

Joint Meeting of the WRCOG Executive Committee and Supporting Foundation

AGENDA

Monday, September 9, 2024 2:00 PM

County of Riverside Administrative Center 4080 Lemon Street, 1st Floor, Board Chambers Riverside, CA 92501

Remote Location:

Western Water 14205 Meridian Parkway Training Room Riverside, CA 92518

French Valley Airport Conference Room 37600 Sky Canyon Road Murrieta, CA 92563

Committee members are asked to attend this meeting in person unless remote accommodations have previously been requested and noted on the agenda. The below Zoom link is provided for the convenience of members of the public, presenters, and support staff.

Public Zoom Link

Meeting ID: 893 7088 6219 Passcode: 20242024 Dial in: (669) 900 9128 U.S. In compliance with the Americans with Disabilities Act and Government Code Section 54954.2, if special assistance is needed to participate in the Executive Committee meeting, please contact WRCOG at (951) 405-6706. Notification of at least 48 hours prior to meeting time will assist staff in assuring that reasonable arrangements can be made to provide accessibility at the meeting. In compliance with Government Code Section 54957.5, agenda materials distributed within 72 hours prior to the meeting which are public records relating to an open session agenda item will be available for inspection by members of the public prior to the meeting at 3390 University Avenue, Suite 200, Riverside, CA, 92501.

In addition to commenting at the Committee meeting, members of the public may also submit written comments before or during the meeting, prior to the close of public comment to lfelix@wrcog.us.

Any member of the public requiring a reasonable accommodation to participate in this meeting in light of this announcement shall contact Janis Leonard 72 hours prior to the meeting at (951) 405-6706 or <a href="mailto:leonard-regulation-regulation-regulati

- 1. CALL TO ORDER (Rita Rogers, Chair)
- 2. PLEDGE OF ALLEGIANCE
- 3. ROLL CALL
- 4. PUBLIC COMMENTS

At this time members of the public can address the Committee regarding any items within the subject matter jurisdiction of the Committee that are not separately listed on this agenda. Members of the public will have an opportunity to speak on agendized items at the time the item is called for discussion. No action may be taken on items not listed on the agenda unless authorized by law. Whenever possible, lengthy testimony should be presented to the Committee in writing and only pertinent points presented orally.

5. CONSENT CALENDAR

All items listed under the Consent Calendar are considered to be routine and may be enacted by one motion. Prior to the motion to consider any action by the Committee, any public comments on any of the Consent Items will be heard. There will be no separate action unless members of the Committee request specific items be removed from the Consent Calendar.

A. Action Minutes from the August 5, 2024, Executive Committee Meeting

Requested Action(s):

1. Approve the Action Minutes from the August 5, 2024, Executive Committee meeting.

B. Fiscal Department Activities Update and Budget Amendment

Requested Action(s): 1. Approve the Fiscal Year 2024/2025 Budget Amendment.

C. WRCOG Committees and Agency Activities Update

Requested Action(s): 1. Receive and file.

D. Report out of WRCOG Representatives on Various Committees

Requested Action(s): 1. Receive and file.

E. TUMF Program Activities Update: One TUMF Credit Agreement, One TUMF

Reimbursement Agreement, and One TUMF Reimbursement Agreement Amendment

Requested Action(s):

- Authorize the Executive Director to execute a TUMF Credit Agreement between WRCOG, the City of Norco, and CRP LDF Palomino, LLC, for the construction of Palomino Business Park located at Second Street & Mountain Avenue with a maximum credit of \$1,651,497.
- Authorize the Executive Director to execute a TUMF Reimbursement Agreement between WRCOG and the City of Jurupa Valley for the Planning and Engineering phases of the Rubidoux/SR-60 Interchange in an amount not to exceed \$4,500,000.
- 3. Authorize the Executive Director to execute a second TUMF Reimbursement Agreement Amendment between WRCOG and the City of Riverside for the Right of Way phase of the Third Street Grade Separation in an amount not to exceed \$7,250,000.
- F. Approval of the 2024 TUMF Southwest 5-Year Transportation Improvement Programs

Requested Action(s):

1. Approve the 2024 TUMF Southwest Zone 5-Year Transportation Improvement Program.

G. I-REN Monthly Activities Update

Requested Action(s): 1. Receive and file.

H. Deferral of Judicial Foreclosures on Delinquent PACE Properties

Requested Action(s):

1. Adopt Resolution Number 27-24; A Resolution of the Executive Committee of the Western Riverside Council

of Governments to defer foreclosure proceedings.

I. Amendment to the Appendix of the WRCOG Conflict of Interest Code

Requested Action(s):

1. Adopt WRCOG Resolution Number 26-24; A Resolution

of the Executive Committee of the Western Riverside Council of Governments Amending the Conflict of Interest Code Pursuant to the Political Reform Act of

1974.

6. REPORTS / DISCUSSION

Members of the public will have an opportunity to speak on agendized items at the time the item is called for discussion.

A. Overview of the TUMF Nexus Study - Final Draft

Requested Action(s): 1. Approve the TUMF Nexus Study.

2. Approve the recommended Fee Schedule with an

effective date of April 1, 2025.

B. WRCOG 2024 General Assembly & Leadership Address Recap and 2025 Speaker Selection by the WRCOG Supporting Foundation

Requested Action(s):

1. Authorize the Supporting Foundation Secretary to

execute a speaker agreement between the Supporting

Foundation and the Washington Speakers Bureau to engage Admiral William H. McRaven for the 2025 General Assembly & Leadership Address in an amount not to exceed \$76,000 plus travel, meal, and lodging expenses.

2. Authorize the Supporting Foundation Secretary to take any necessary actions to carry out the purpose and intent of this authorization.

C. Increase Maximum Bond Authorization for Greenworks / Nuveen Green Capital (NGC) C-PACE Program

Requested Action(s):

- Adopt Resolution Number 25-24, A Resolution of the Executive Committee of the Western Riverside Council of Governments increasing maximum bond authorization for the Greenworks PACE Program and making certain required disclosures; OR
- Adopt Resolution Number 29-24, A Resolution of the Executive Committee of the Western Riverside Council of Governments increasing maximum bond authorization for the Greenworks PACE Program with certain limitations and making certain required disclosures.

D. Policy Setting the Parameters for Adding Agencies to the WRCOG Structure

Requested Action(s):

 Adopt Resolution Number 26-24, a Resolution of the Executive Committee of the Western Riverside Council of Governments adopting a policy statement for consideration of new voting representatives.

7. REPORT FROM THE TECHNICAL ADVISORY COMMITTEE CHAIR

Clara Miramontes, City of Perris

8. REPORT FROM COMMITTEE REPRESENTATIVES

CALCOG, Brian Tisdale SANDAG Borders Committee, Crystal Ruiz SCAG Regional Council and Policy Committee Representatives

9. REPORT FROM THE EXECUTIVE COMMITTEE CHAIR

Rita Rogers, City of Perris

10. REPORT FROM THE EXECUTIVE DIRECTOR

Dr. Kurt Wilson

Access the report <u>here</u>.

11. ITEMS FOR FUTURE AGENDAS

Members are invited to suggest additional items to be brought forward for discussion at future Committee meetings.

12. GENERAL ANNOUNCEMENTS

Members are invited to announce items / activities which may be of general interest to the Committee.

13. NEXT MEETING

The next Joint WRCOG Executive Committee and Supporting Foundation has yet to be scheduled. The next WRCOG Executive Committee meeting is scheduled for Monday, October 7, 2024, at 2:00 p.m., in the County of Riverside Administrative Center, 4080 Lemon Street, 1st Floor, Board Chambers, Riverside.

14. ADJOURNMENT

Joint Meeting of the WRCOG Executive Committee and Supporting Foundation

Action Minutes

1. CALL TO ORDER

The meeting of the WRCOG Executive Committee was called to order by Chair Rita Rogers at 2:00 p.m. on August 5, 2024, at the County of Riverside Administrative Center, 1st Floor Board Chambers.

2. PLEDGE OF ALLEGIANCE

Chair Rogers led the Committee members and guests in the Pledge of Allegiance.

3. WRCOG SPECIAL RECOGNITION

A. Government Finance Officer's Association Recognition

Action:

1. Received and filed.

4. ROLL CALL

- · City of Beaumont Mike Lara
- · City of Calimesa Wendy Hewitt
- · City of Corona Jacque Casillas
- City of Eastvale Christian Dinco
- City of Hemet Jackie Peterson
- City of Jurupa Valley Chris Barajas
- · City of Lake Elsinore Brian Tisdale
- · City of Menifee Bob Karwin
- · City of Norco Kevin Bash
- · City of Perris Rita Rogers
- · City of Riverside Chuck Conder
- City of San Jacinto Crystal Ruiz
- · City of Temecula James Stuart
- · City of Wildomar Joseph Morabito
- · County, District 2 Karen Spiegel
- County, District 3 Chuck Washington
- Eastern Municipal Water District (EMWD) Phil Paule
- Western Water Brenda Dennstedt

Absent:

- · City of Banning
- · City of Canyon Lake
- · City of Moreno Valley
- · City of Murrieta
- · County, District 1
- County, District 5
- Riverside Co. Superintendent of Schools

5. PUBLIC COMMENTS

Ivette Mejia from SCAG announced that registration is now open for the Southern California Demographic Workshop, which will be held on at the SCAG main office in downtown Los Angeles. The State has allocated \$560M in REAP funding, of which SCAG received a final award of \$231.5M from the California Department of Housing & Community Development; Ms. Mejia thanked those who advocated for full funding. Lastly, the Active Transportation and Safety Call for Projects for the Sustainable Communities Program opened on July 8, 2024, and is open to community plans, area plans, and quickbuild projects. Available funding is an estimated \$10.4M, with a submission deadline of September 27, 2024, to be awarded in December 2024. There is an additional application workshop on Wednesday, August 7, 2024, from 1:30 p.m. to 3:00 p.m., and office hours are available on Monday through Friday during the application period.

6. CONSENT CALENDAR

RESULT:	APPROVED AS RECOMMENDED
MOVER:	San Jacinto
SECONDER:	Western Water
	Beaumont, Calimesa, Corona, Eastvale, Hemet, Jurupa Valley, Lake Elsinore, Menifee, Norco, Perris, Riverside, San Jacinto, Temecula, Wildomar, District 2, District 3, EMWD, Western Water

A. Action Minutes from the June 21, 2024, Joint Meeting of the Executive Committee and Supporting Foundation

Action:

1. Approved the Action Minutes from the June 21, 2024, joint meeting of the Executive Committee and Supporting Foundation.

B. Fiscal Department Activities Update and Budget Amendment

Action:

1. Approved the Fiscal Year 2023/2024 Budget Amendment.

C. WRCOG Committees and Agency Activities Update

Action:

1. Received and filed.

D. Report out of WRCOG Representatives on Various Committees

Action:

1. Received and filed.

E. TUMF Program Activities Update: Approval of One TUMF Credit Agreement

Action:

1. Authorized the Executive Director to execute a TUMF Credit Agreement between WRCOG, the City of Temecula, and SB Altair, LLC, for the construction of Western Bypass Road from Rancho California Road to SR-79 (1.48 miles) and the construction of the Western Bypass Bridge with maximum credit of \$32,935,000.

F. I-REN Monthly Activities Update

Action:

1. Received and filed.

G. PACE Programs Activities Update: Purchase and Sale Agreement with First National Assets

Actions:

- Adopted Resolution Number 24-24; A Resolution of the Executive Committee of the Western Riverside Council of Governments approving a Purchase and Sale Agreement for the sale of Assessment Installment Receivables.
- 2. Authorized the Executive Director, or designee, to enter into a Purchase and Sale Agreement, substantially as to form, with First National Assets for the purchase of delinquent assessment receivables.

7. REPORTS / DISCUSSION

A. Increase Maximum Bond Authorization for Greenworks / Nuveen C-PACE Program

RESULT:	APPROVED AS RECOMMENDED
MOVER:	Lake Elsinore
SECONDER:	San Jacinto
AYES:	Beaumont, Calimesa, Eastvale, Hemet, Jurupa Valley, Lake Elsinore, Norco, Perris, Riverside, San Jacinto, Temecula, Wildomar, District 3, EMWD
NAYS:	Corona, Menifee, District 2, Western Water

Action:

1. Instructed staff to convene the PACE Ad Hoc Committee to further discuss this matter and return to this Committee with more information at a future meeting.

B. Activities Update from the Eastern Municipal Water District & Western Water

Action:

1. Received and filed.

8. REPORT FROM THE TECHNICAL ADVISORY COMMITTEE CHAIR

TAC Chair Clara Miramontes reported that the TAC recently received updates on SB 1383 activities such as the Regional Food Rescue Program, where over 66 tons of food have been recovered and assistance has been provided to member agencies in the development of inspection and enforcement procedures. There will be a workshop on September 17, 2024, at 9:00 a.m. via Zoom. The REAP 1.0 Program is coming to an end; the \$1.7M received by WRCOG in 2021 has been instrumental in providing assistance to member agencies to meet their housing needs. REAP 2.0 funding has been reinstated, which will continue to aid in planning for future housing needs.

9. REPORT FROM COMMITTEE REPRESENTATIVES

Committee member Brian Tisdale, reported that of the \$510M proposed for REAP 2.0, \$480M was included in the final State budget thanks to the lobbying activities of CALCOG.

10. REPORT FROM THE EXECUTIVE COMMITTEE CHAIR

Chair Rogers had nothing to report.

11. REPORT FROM THE EXECUTIVE DIRECTOR

Dr. Kurt Wilson stated that his report will be emailed to the Committee due to time constraints.

12. ITEMS FOR FUTURE AGENDAS

There were no items for future agendas.

13. GENERAL ANNOUNCEMENTS

Committee member Christian Dinco announced that the Eastvale Little League is now in the Western Region Little League World Series Tournament. They will play in San Bernardino against Hawaii on August 6, 2024, and if they win, will play a championship game on August 9, 2024. They are the first Little League team from Riverside to make it this far. Committee members were encouraged to tune in on ESPN Plus at 2:00 p.m. to cheer them on.

14. NEXT MEETING

The next Executive Committee meeting is scheduled for Monday, September 9, 2024, at 2:00 p.m., at the Riverside County Administrative Center, 4080 Lemon Street, 1st Floor, Board Chambers, Riverside.

15. CLOSED SESSION

CONFERENCE WITH LEGAL COUNSEL—EXISTING LITIGATION (Paragraph (1) of subdivision(d) of Section 54956.9)

- Fabian v. Western Riverside Council of Governments, San Diego County Superior Court, Case No. 37-2018-00023808-CU-BT-NC
- 2. Andrade v. Western Riverside Council of Governments, San Diego County Superior Court, Case

No. 37-2019-00052111-CU-BT-NC

3. Zuniga v. Western Riverside Council of Governments, et al., San Diego Superior Court, Case No. 37-2021-00007702-CU-MC-NC

CONFERENCE WITH LEGAL COUNSEL—ANTICIPATED LITIGATION

Significant exposure to litigation pursuant to paragraph (2) of subdivision (d) of Section 54956.9: 1 potential Case

There were no reportable actions.

16. ADJOURNMENT

The meeting was adjourned at 3:54 p.m.



Western Riverside Council of Governments Joint Meeting of the WRCOG Executive Committee and Supporting Foundation

Staff Report

Subject: Fiscal Department Activities Update and Budget Amendment

Contact: Andrew Ruiz, Chief Financial Officer, aruiz@wrcog.us, (951) 405-6741

Date: September 9, 2024

Recommended Action(s):

1. Approve the Fiscal Year 2024/2025 Budget Amendment.

Summary:

The Finance Department is currently working through its year-end close, which includes analyzing all of its accounts, accruing revenues and expenditures, and preparing year-end schedules in preparation for the annual audit. A budget amendment is requested in this item, related to an approved settlement offer. The Finance Department has completed the annual audit and has issued its Annual Comprehensive Financial Report. WRCOG has also finalized its Fiscal Year 2024/2025 budget.

Purpose / WRCOG 2022-2027 Strategic Plan Goal:

The purpose of this item is to provide information regarding Finance Department activities. This effort aligns with WRCOG's 2022-2027 Strategic Plan Goal #3 (Ensure fiscal solvency and stability of the Western Riverside Council of Governments).

Discussion:

Background

The Finance Department provides regular updates to WRCOG Committees regarding the financial status of WRCOG and also provides summaries of on-going activities that might be of interest to member agencies. The financial reports document Agency revenues and expenditures through the current fiscal year, as reported by various programs, funds, and other administrative divisions. On-going activities include the preparation of the Agency audit, budget amendments, and preparation of the WRCOG budget for consideration and approval by WRCOG Committees.

Present Situation

<u>Fiscal Year 2023/2024 Year-End Close</u>: WRCOG staff are currently preparing for the Fiscal Year

2023/2024 year-end close, which includes preparing for the interim audit, analyzing all of its accounts, and performing revenue and expenditure accruals. Staff anticipates closing the Agency's books by September and begin the audit in October.

Financial Documents

All of WRCOG's most recent financial statements, budget, monthly financials, amendments, etc., are located on the Agency's Fiscal Department's webpage here.

Fiscal Year 2024/2025 Budget Amendment

The Executive Committee recently authorized settlements related to the HERO Program; however, a budget amendment is being proposed to increase the budget by \$450,900. The proposed amendment increases the available funds in an amount sufficient to implement based on the direction of the Executive Committee. There is no offset to the increased expenditures; therefore, it will increase the overall Program's budget. The HERO Program operates under WRCOG's General Fund (Fund 110), so the proposed amendment will draw down from the assigned fund balance for the Program.

Prior Action(s):

None.

Financial Summary:

Fiscal Department activities are included in the Agency's adopted Fiscal Year 2024/2025 Budget under the Finance Department under Fund 110.

This budget amendment will create a net increase in expenditures in the HERO Program (5000) under the General Fund (110) by \$450,900, which will increase the total Program's budgeted deficit to \$529,791 for the Fiscal Year. The Fiscal Year 2024/2025 starting assigned fund balance specific to the HERO Program in the General Fund is approximately \$195k. Additional funds required to cover the expenditure increase will draw down from the unassigned fund balance of the General Fund.

Attachment(s):

Attachment 1 - HERO FY 2024/2025 Budget Amendment

<u>Attachment</u>

FY 2024/2025 HERO Budget Amendment

Fiscal Year 2024/2025 HERO Budget Amendment								
Account Description	GL Code	Code Budget		Amendment	N	New Budget		
Salaries & Wages	60001	\$	158,778		\$	158,778		
Fringe Benefits	61000		77,425			77,425		
Overhead	63000		99,867			99,867		
Legal	65101		300,000			300,000		
Bank Fees	65505		5,000			5,000		
Parking Validations	73102		100			100		
Computer Software	73110		3,800			3,800		
Postage	73116	750			750			
Computer Equipment/Supplies			1,000			1,000		
Communications	73200		1,500			1,500		
Data Processing Support	73504		20,921			20,921		
PACE Recording	73506		7,500			7,500		
Seminars/Conferences	73601		500			500		
Travel Related Expenses	73610		1,250			1,250		
Training	73650		500			500		
Compliance Settlements	81010		25,000	450,900		475,900		
Consulting Labor	85101		40,000			40,000		
	Total Expense	s \$	743,891	\$ 450,900	\$	1,194,791		



Western Riverside Council of Governments Joint Meeting of the WRCOG Executive Committee and Supporting Foundation

Staff Report

Subject: WRCOG Committees and Agency Activities Update

Contact: Chris Gray, Deputy Executive Director, cgray@wrcog.us, (951) 405-6710

Date: September 9, 2024

Recommended Action(s):

1. Receive and file.

Summary:

Attached are summary recaps of actions and activities from recent WRCOG standing Committee meetings that occurred during the month of July 2024.

Purpose / WRCOG 2022-2027 Strategic Plan Goal:

The purpose of this item is to inform the Committee of actions and activities from WRCOG standing Committee meetings. This item aligns with WRCOG's 2022-2027 Strategic Plan Goal #4 (Communicate proactively about the role and activities of the Council of Governments).

Discussion:

A summary is provided for the following meeting that occurred in August 2024:

- August 5, 2024: Executive Committee
- August 8, 2024: Planning Directors Committee
- August 8, 2024: Public Works Committee
- August 14, 2024: Administration & Finance Committee
- August 15, 2024: Technical Advisory Committee
- August 21, 2024: Solid Waste Committee
- August 22, 2024: Finance Directors Committee

Prior Action(s):

None.

Financial Summary:

This item is for informational purposes only; therefore, there is no fiscal impact.

Attachment(s):

Attachment 1 - WRCOG Committees Activities Update August 2024



Western Riverside Council of Governments Executive Committee Meeting Recap

August 5, 2024

Following is a summary of key items discussed at the last Executive Committee meeting.

Agenda Packet: https://wrcog.us/DocumentCenter/View/10329/EC-0824-AP

PowerPoint Presentation: https://wrcog.us/DocumentCenter/View/10352/exec-ppt-0824

Increase Maximum Bond Authorization for Greenworks / Nuveen C-PACE Program

- This matter was presented to increase the maximum bond authorization for Commercial provider Nuveen formerly Greenworks for the PACE Program from \$200M to \$1B due to a pending \$270M retroactive Commercial PACE project in San Jose, CA, with eligible energy efficiency improvements scheduled to close on 8/30/2024.
- Executive Committee members voiced their concerns regarding the recommended increase amount.
 WRCOG's current flat fee is 0.7% of total project cost, and the fee cap on commercial projects is \$250K.
- The PACE Ad Hoc Committee will meet prior to the next Executive Committee meeting to address concerns.

Activities Update from the Eastern Municipal Water District & Western Water

- Joe Mouwad (Eastern Municipal Water District) and Craig Miller (Western Water) provided an update on key water-related issues of interest to WRCOG member agencies.
- One item of interest is the *Conservation as a California Way of Life* mandate, which requires significant reductions in water use for indoor residential use and outdoor residential use. Commercial, industrial, and institutional users are also banned from using potable water for irrigation.
- SB 366 is currently progressing through the Legislature and requires the State to develop long-term water supply targets and strategies to meet those targets.
- Ongoing coordination with Metropolitan Water District (MWD) was also discussed. Both Eastern Municipal Water District and Western Water are members of MWD.

Next Meeting

Due to the observance of the Labor Day holiday, the next Executive Committee meeting is scheduled for Monday, September 9, 2024, at 10:00 a.m., in the County of Riverside Administrative Center, 4080 Lemon Street, 1st Floor, Board Chambers, Riverside.



Western Riverside Council of Governments Planning Directors Committee Meeting Recap

August 8, 2024

Following is a summary of key items discussed at the last Planning Directors Committee meeting.

Agenda Packet: https://wrcog.us/DocumentCenter/View/10337/PDC-0824-AP

PowerPoint Presentation: https://wrcog.us/DocumentCenter/View/10373/pdc-824-ppt

Senate Bill 4 – Affordable Housing on Faith Based Lands

- Alexa Washburn with National Community Renaissance presented on Senate Bill (SB) 4, the Affordable Housing on Faith Lands Act, which creates a streamlined process to build affordable housing on land owned by faith institutions and non-profit colleges.
- SB 4 is applicable to projects that are 100% affordable, are required to have at least 1 off-street parking space per unit, are a partnership between landowners and nonprofit housing builders, have a density standard of 30 du/ac in residential zones, and 40 du/ac for non-residential zones, and require prevailing wages along with other labor standards.
- There are several pre-requisites to utilize the benefits of SB 4, however, some cities, such as Moreno Valley are going above and beyond to make it easier to build housing on faith-based lands.

Overview of ULI Technical Assistance Panels

- Kendra Chandler with the Urban Land Institute, along with Karen Gulley with PlaceWorks, presented an invitation to local agencies to participate in Technical Assistance Panels.
- Technical Assistance Panels provide assistance with local land use challenges and opportunities in a 2-day session with a panel of experts to deliver a presentation and written documentation on findings.

Overview of TUMF Nexus Study - Final Draft

- WRCOG staff and consultants have been working on this effort since 2021 and all technical work on the study is complete.
- The Nexus Study results, public comments, and responses to comments were presented.
- The Committee recommended that the Executive Committee approve the Nexus Study and adopt the proposed fee schedule effective April 1, 2025.

Next Meeting

The next Planning Directors Committee meeting is scheduled for Thursday, October 10, 2024, at 9:30 a.m., in WRCOG's office at 3390 University Avenue, Suite 200, Riverside.



Western Riverside Council of Governments Public Works Committee Meeting Recap

August 8, 2024

Following is a summary of key items discussed at the last Public Works Committee meeting.

Agenda Packet: https://wrcog.us/DocumentCenter/View/10343/PWC-0824-AP

PowerPoint Presentation: https://wrcog.us/DocumentCenter/View/10374/pwc-0824-ppt

Provide Overview of TUMF Nexus Study – Final Draft

- WRCOG staff and consultants have been working on this effort since 2021 and all technical work on the study is complete.
- The Nexus Study results, public comments, and responses to comments were presented.
- The Committee recommended that the Executive Committee approve the Nexus Study and adopt the proposed fee schedule effective of April 1, 2025.

Next Meeting

The next Public Works Committee meeting is scheduled for Thursday, October 10, 2024, at 2:00 p.m., in WRCOG's office located at 3390 University Avenue, Suite 200, Riverside.



Western Riverside Council of Governments Administration & Finance Committee Meeting Recap

August 14, 2024

Following is a summary of key items discussed at the last Administration & Finance Committee meeting.

Agenda Packet: https://wrcog.us/DocumentCenter/View/10353/af-0824-ap

PowerPoint Presentation: https://wrcog.us/DocumentCenter/View/10363/af-ppt-0824

Overview of the TUMF Nexus Study

- WRCOG staff and consultants have been working on this effort since 2021 and all technical work on the study is complete.
- The Nexus Study results, public comments, and responses to comments were presented.
- The Committee recommended that the Executive Committee approve the Nexus Study and adopt the proposed fee schedule effective of April 1, 2025.

Policy Setting the Parameters for Adding Agencies to the WRCOG Structure

- This item had been discussed by an Ad Hoc Committee which provided input on proposed language.
- The Administration & Finance Committee recommended that the Executive Committee approve the proposed policy related to potential addition of agencies to the WRCOG structure.

Next Meeting

The next Administration & Finance Committee meeting is scheduled for Wednesday, September 11, 2024, at 12:00 p.m., in WRCOG's office at 3390 University Avenue, Suite 200.



Western Riverside Council of Governments Technical Advisory Committee Meeting Recap

August 15, 2024

Following is a summary of key items discussed at the last Technical Advisory Committee meeting.

Agenda Packet: https://wrcog.us/DocumentCenter/View/10354/TAC-0824-AP

PowerPoint Presentation: https://wrcog.us/DocumentCenter/View/10375/TAC-PPT-0824

WRCOG Fellowship Program Activities Update: Round 9

- Applications are now being accepted for Host Agencies through August 23, 2024 and Fellowships through September 2, 2024.
- Program guidelines for hosting, FAQs, and associated costs are available at www.wrcog.us/fellowship or contact Julian Brambila jbrambila@wrcog.us for assistance.

Overview of the TUMF Nexus Study - Final Draft

- WRCOG staff and consultants have been working on this effort since 2021 and all technical work on the study is complete.
- The Nexus Study results, public comments, and responses to comments were presented.
- The Committee recommended that the Executive Committee approve the Nexus Study and adopt the proposed fee schedule effective of April 1, 2025.

Overview of ULI Technical Assistance Panels

- Kendra Chandler with the Urban Land Institute, along with Karen Gulley with PlaceWorks, presented an invitation to local agencies to participate in Technical Assistance Panels.
- Technical Assistance Panels provide assistance with local land use challenges and opportunities in a 2day session with a panel of experts to deliver a presentation and written documentation on findings.

Next Meeting

The next Technical Advisory Committee meeting is scheduled for Thursday, September 19, 2024, at 9:30 a.m. in the WRCOG office at 3390 University Avenue, Riverside.



Western Riverside Council of Governments Solid Waste Committee Meeting Recap

August 21, 2024

Following is a summary of key items discussed at the last Solid Waste Committee meeting.

Agenda Packet: https://wrcog.us/DocumentCenter/View/10356/SWC-082124-AP

PowerPoint Presentation: https://wrcog.us/DocumentCenter/View/10369/SWC-PPT-0824

Recycle from Home Presentation

- "Recycle From Home" is a convenient recycling program that allows residents to recycle eligible items
 directly from their homes. This program typically involves the collection of recyclable CRV materials,
 such as bottles and cans, without the need for residents to visit a recycling center.
- Participants usually schedule a pickup, place their recyclables in designated containers, and leave them
 outside their homes on the scheduled day. The program aims to make recycling easier and more
 accessible, encouraging higher participation rates and reducing the environmental impact by diverting
 recyclable materials from landfills. Payment, less 10% fee, is made to residents directly via Venmo,
 PayPal, or check, or proceeds can be donated to a charity.
- Through this service, communities can increase recycling rates, contribute to environmental sustainability, and make recycling a hassle-free part of daily life. They will also collect e-waste. The program currently operates in the Cities of Corona and Riverside.

SB 1383 Activities and Food Rescue Activities Update

- WRCOG, in partnership with MSW Consultants, developed a regional food recovery program to meet the requirements of SB 1383, involving multiple cities.
- Site visits and inspections occur across participating cities, resulting in increased food donations, alongside extensive capacity planning to ensure future compliance.
- The program features a robust public outreach campaign, including multilingual materials and virtual workshops, to educate and train Food Recovery Organizations and edible food generators.
- The program has successfully recovered 71 tons of food, reduced carbon emissions, and planned continuous inspections and enforcement will maintain and enhance compliance.

Next Meeting

The next Solid Waste Committee meeting is scheduled for Wednesday, November 10, 2024, at 1:00 p.m., in WRCOG's office at 3390 University Avenue, Suite 200, Riverside.



Western Riverside Council of Governments Finance Directors Committee Meeting Recap

August 22, 2024

Following is a summary of key items discussed at the last Finance Directors Committee meeting.

Agenda Packet: https://wrcog.us/DocumentCenter/View/10365/FDC-0824-ap

PowerPoint Presentation: https://wrcog.us/DocumentCenter/View/10370/fdc-0824-ppt

Results of Financial Services Software Request for Proposal for WRCOG

- WRCOG received proposals from Tyler Technologies and AccuFund. The interview panel concluded
 that Tyler would be the best choice, due to its system features, reputation with member agencies and
 reputation as the largest company in the United States, focused solely on the public sector.
- Contract amount of \$262,860 over five-year span. The first year will be \$117,020 (\$80,560 implementation plus \$36,460 annual fee). This cost amount is aligned with WRCOG's budget amount of \$118k.
- The Executive Committee will be asked to approve the agreement with Tyler Technologies at its September 9, 2024, meeting.
- Once approved, Fiscal staff will coordinate with Tyler's implementation team.

Overview of the TUMF Nexus Study - Final Draft & TUMF Revenue Update

- The TUMF Program collected \$87M with 85% of the revenue collected related to residential development (single-family and multi-family). Industrial development accounts for most of the remaining revenue. Retail and service revenue is only 3% of total TUMF revenue.
- The TUMF Nexus Study is currently being updated. The Final Draft was shared with the Committee which included an updated fee schedule.
- The Executive Committee will be asked to approve the Nexus Study and adopt an updated Fee Schedule at its September 9, 2024, meeting.

The Economy and Financial Markets

- As things currently stand, inflation remains above the Federal Reserve's target, the labor market is coming into better balance, and consumers continue to support growth through spending.
- At least one rate cut is anticipated to happen this calendar year, with the first likely coming in September.
- WRCOG's portfolio continues to out-perform the market benchmark return.

Next Meeting

The next Finance Directors Committee meeting is scheduled for February 20, 2025, at 1:00 p.m., in WRCOG's office at 3390 University Avenue, Suite 200, Riverside.



Western Riverside Council of Governments Joint Meeting of the WRCOG Executive Committee and Supporting Foundation

Staff Report

Subject: Report out of WRCOG Representatives on Various Committees

Contact: Chris Gray, Deputy Executive Director, cgray@wrcog.us, (951) 405-6710

Date: September 9, 2024

Recommended Action(s):

1. Receive and file.

Summary:

One key function of the Executive Committee is to appoint representatives to various external agencies, groups, and committees on behalf of WRCOG. This Staff Report provides a summary of activities related to appointments for CALCOG, the SANDAG Borders Committee, and the SAWPA OWOW Steering Committee.

Purpose / WRCOG 2022-2027 Strategic Plan Goal:

The purpose of this item to provide information regarding various external agencies, groups, and committees related to WRCOG where WRCOG has appointed one or more representative(s) to serve as its representative. This item supports WRCOG's 2022-2027 Strategic Plan Goal #4 (Communicate proactively about the role and activities of the Council of Governments).

Discussion:

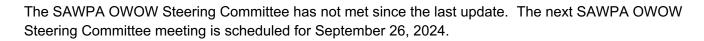
CALCOG Board of Directors (Brian Tisdale)

The CALCOG Board of Directors meeting of August 12, 2024, was cancelled. The next CALCOG Board of Directors meeting is tentatively scheduled for September 30, 2024.

SANDAG Borders Committee (Crystal Ruiz)

The SANDAG Borders Committee has not met since the last update. The next SANDAG Borders Committee meeting is scheduled for Friday, September 27, 2024.

SAWPA OWOW Steering Committee (Wes Speake)



Prior Action(s):

None.

Financial Summary:

Appointed Committee members are paid \$150 to attend their respective meetings. WRCOG stipends are included in the Agency's adopted Fiscal Year 2023/2024 Budget under the Administration Department in the General Fund (Fund 110).

Attachment(s):

None.



Western Riverside Council of Governments Joint Meeting of the WRCOG Executive Committee and Supporting Foundation

Staff Report

Subject: TUMF Program Activities Update: One TUMF Credit Agreement, One TUMF

Reimbursement Agreement, and One TUMF Reimbursement Agreement

Amendment

Contact: Brian Piche-Cifuentes, Transportation Analyst I, <u>bpiche-cifuentes@wrcog.us</u>, (951)

405-6705

Date: September 9, 2024

Recommended Action(s):

- Authorize the Executive Director to execute a TUMF Credit Agreement between WRCOG, the City of Norco, and CRP LDF Palomino, LLC, for the construction of Palomino Business Park located at Second Street & Mountain Avenue with a maximum credit of \$1,651,497.
- 2. Authorize the Executive Director to execute a TUMF Reimbursement Agreement between WRCOG and the City of Jurupa Valley for the Planning and Engineering phases of the Rubidoux/SR-60 Interchange in an amount not to exceed \$4,500,000.
- 3. Authorize the Executive Director to execute a second TUMF Reimbursement Agreement Amendment between WRCOG and the City of Riverside for the Right of Way phase of the Third Street Grade Separation in an amount not to exceed \$7,250,000.

Summary:

The Cities of Jurupa Valley, Norco, and Riverside are requesting to enter into TUMF agreements with WRCOG. This initiative involves an investment of millions of dollars, which will be directed towards significant enhancements in roads and transportation systems throughout the subregion. Such an investment will improve the infrastructure, stimulate economic growth, reduce traffic congestion, and enhance the overall quality of life for residents and businesses in the area.

Purpose / WRCOG 2022-2027 Strategic Plan Goal:

The purpose of this item is to request approval of one TUMF Credit Agreement, one TUMF Reimbursement Agreement, and one TUMF Reimbursement Agreement Amendment. This effort supports WRCOG's 2022-2027 Strategic Plan Goal #5 (Develop projects and programs that improve infrastructure and sustainable development in our subregion).

Discussion:

Background

WRCOG's TUMF Program is a subregional fee program designed to provide transportation and transit infrastructure that mitigates the impact of new growth in western Riverside County. A Reimbursement Agreement is a document between WRCOG and a member agency that allows WRCOG to provide funding for TUMF expenses incurred for the Planning, Design, Engineering, and/or Construction phase(s) of a TUMF project. To enter into a Reimbursement Agreement, the funding for the project must first be allocated in the appropriate TUMF Zone Transportation Improvement Program (TIP). TUMF Agreements and Amendments are initiated by their respective agencies when that agency is ready for the infrastructure development.

A TUMF Credit Agreement is a document between WRCOG, a member agency, and a developer, and allows WRCOG to provide credit towards TUMF fees. This credit is established by work completed for the Planning, Design, Engineering, and/or Construction Phase(s) of a TUMF facility. To enter into a Credit Agreement, the project must have eligible funding identified in WRCOG's current TUMF Nexus Study. TUMF Credit Agreements give credit for eligible infrastructure built as part of new development. Developers contribute to the TUMF Program through direct work on facilities. The maximum amount of credit a developer can receive is determined through the TUMF Nexus Study project list.

Present Situation

TUMF Credit Agreement:

1. The TUMF Credit Agreement between WRCOG, the City of Norco, and CRP LDF Palomino, LLC, will have project work improvements done at First Street between where it intersects with Mountain Ave. and Parkridge Ave and at Second Street between where it intersects with Mountain Ave. and Pacific Ave., with a maximum available credit amount of \$1,651,497 for TUMF-eligible work. The developer has an estimated TUMF obligation of \$1,220,805.18.

<u>TUMF Reimbursement Agreement</u>:

 The TUMF Reimbursement Agreement between WRCOG and the City of Jurupa Valley will have the project work done reconfiguring the existing interchange at Rubidoux Boulevard and State Route 60 and improve the traffic circulation as well as accommodating future traffic congestion.

TUMF Reimbursement Agreement Amendment:

1. The Third Street Grade Separation project (16-NW-RIV1190) set the amount of funding in the Planning, Engineering, and Right of Way Phases at not to exceed \$8,250,000. An increase in project funding for the Right of Way Phase has now been requested by the City of Riverside in an Amendment not to exceed \$7,250,000, thus making the new reimbursement amount to exceed \$11,250,000. This would be the second amendment for the project.

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None.

Financial Summary:

TUMF liabilities with respect to Credit Agreements are recognized when the developer's credit exceeds the developer's obligation and creates projected liability. These liabilities are reflected as fiduciary fund long-term debt in WRCOG's financials under the TUMF Fund. These potential liabilities are subject to reimbursement based on the availability of funding in their respective TUMF Zones. The Reimbursement Agreements noted are consistent and included within the respective Zone TIP.

Attachment(s):

Attachment 1 - TUMF Credit Agreement - Palomino Business Park

Attachment 2 - TUMF Reimbursement Agreement - Rubidoux/SR-60 Interchange

Attachment 3 - TUMF Reimbursement Agreement Amendment - Third Street Grade Separation

Attachment

TUMF Improvement and Credit Liability Agreement – Palomino Business Park

For Use Between Public Agency and Developer "Master Agreement"

IMPROVEMENT AND CREDIT / REIMBURSEMENT AGREEMENT TRANSPORTATION UNIFORM MITIGATION FEE PROGRAM

This IMPROVEM	IENT AND CRED	IT AGREEMENT	Γ ("Agreement") is ϵ	entered into
this day of	, 20	, (the "Effective Da	ate") by and between	the City of
Norco, a California mun	cipal corporation ("AGENCY"), the	Western Riverside	Council of
Governments, a joint pov	vers Agency, ("WR	.COG") CRP LDF	F Palomino, LLC, a	ι California
Corporation with its princi	pal place of business	s at 1300 Dove Stre	eet, Suite #200, New	port Beach,
CA 92660 ("Developer")	. AGENCY and I	Developer are son	netimes hereinafter	referred to
individually as "Party" and	d collectively as "Par	ties".		

RECITALS

WHEREAS, Developer owns 110 acres of real property located within the AGENCY of Norco, California, which is more specifically described in the legal description set forth in Exhibit "A", attached hereto and incorporated herein by this reference ("Property");

WHEREAS, Developer has requested from AGENCY-certain entitlements and/or permits for the construction of improvements on the Property, which are more particularly described as "Palomino Business Park" located at Second Street & Mountain Avenue in Norco, CA ("Project");

WHEREAS, the AGENCY is a member agency of WRCOG, a joint powers agency comprised of the County of Riverside and 18 cities located in Western Riverside County. WRCOG is the administrator for the Transportation Uniform Mitigation Fee ("TUMF") Program;

WHEREAS, as part of the TUMF Program, the AGENCY has adopted "Transportation Uniform Mitigation Fee Nexus Study: 2016 Update" ("2016 Nexus Study")

WHEREAS, as a condition to AGENCY's approval of the Project, AGENCY has required Developer to construct certain street and transportation system improvement(s) of regional importance ("TUMF Improvements");

WHEREAS, pursuant to the TUMF Program, the AGENCY requires Developer to pay the TUMF which covers the Developer's fair share of the costs to deliver those TUMF Improvements that help mitigate the Project's traffic impacts and burdens on the Regional System of Highways and Arterials (also known as the "TUMF Network"), generated by the Project and that are necessary to protect the safety, health and welfare of persons that travel to and from the Project using the TUMF Network;

WHEREAS, the TUMF Improvements have been designated as having Regional or Zonal Significance as further described in the 2016 Nexus Study and the 5 year Transportation Improvement Program as may be amended;

WHEREAS, AGENCY. WRCOG and Developer now desire to enter into this Agreement for the following purposes: (1) to provide for the timely delivery of the TUMF Improvements, (2) to ensure that delivery of the TUMF Improvements is undertaken as if the TUMF Improvements were constructed under the direction and authority of the AGENCY, (3) to provide a means by

which the Developer's costs for project delivery of the TUMF Improvements and related right-of-way is offset against Developer's obligation to pay the applicable TUMF for the Project in accordance with the TUMF Administrative Plan adopted by WRCOG, and (4) to provide a means, subject to the separate approval of WRCOG, for Developer to be reimbursed to the extent the actual and authorized costs for the delivery of the TUMF Improvements exceeds Developer's TUMF obligation.

NOW, THEREFORE, for the purposes set forth herein, and for good and valuable consideration, the adequacy of which is hereby acknowledged, Developer and AGENCY hereby agree as follows:

TERMS

- 1.0 <u>Incorporation of Recitals</u>. The Parties hereby affirm the facts set forth in the Recitals above and agree to the incorporation of the Recitals as though fully set forth herein.
- 2.0 Construction of TUMF Improvements. Developer shall construct or have constructed at its own cost, expense, and liability certain street and transportation system improvements generally described as public roadway improvements at First Street between where it intersects with Mountain Avenue and Parkridge Avenue and at Second Street between where it intersects with Mountain Avenue and Pacific Avenue as shown more specifically in the attached Exhibit (See Exhibit A), and as shown more specifically on the plans, profiles, and specifications which have been or will be prepared by or on behalf of Developer and approved by AGENCY, and which are incorporated herein by this reference ("TUMF Improvements"). Construction of the TUMF Improvements shall include any transitions and/or other incidental work deemed necessary for drainage or public safety. Developer shall be responsible for the replacement, relocation, or removal of any component of any existing public or private improvement in conflict with the construction or installation of the TUMF Improvements. Such replacement, relocation, or removal shall be performed to the complete satisfaction of AGENCY and the owner of such improvement. Developer further promises and agrees to provide all equipment, tools, materials, labor, tests, design work, and engineering services necessary to fully and adequately complete the TUMF Improvements.
- 2.1 <u>Pre-approval of Plans and Specifications</u>. Developer is prohibited from commencing work on any portion of the TUMF Improvements until all plans and specifications for the TUMF Improvements have been submitted to and approved by AGENCY. Approval by AGENCY shall not relieve Developer from ensuring that all TUMF Improvements conform with all other requirements and standards set forth in this Agreement.
- 2.2 <u>Permits and Notices</u>. Prior to commencing any work, Developer shall, at its sole cost, expense, and liability, obtain all necessary permits and licenses and give all necessary and incidental notices required for the lawful construction of the TUMF Improvements and performance of Developer's obligations under this Agreement. Developer shall conduct the work in full compliance with the regulations, rules, and other requirements contained in any permit or license issued to Developer.

- 2.3 <u>Public Works Requirements</u>. In order to insure that the TUMF Improvements will be constructed as if they had been constructed under the direction and supervision, or under the authority of, AGENCY, Developer shall comply with all of the following requirements with respect to the construction of the TUMF Improvements:
- (a) Developer shall obtain bids for the construction of the TUMF Improvements, in conformance with the standard procedures and requirements of AGENCY with respect to its public works projects, or in a manner which is approved by the Public Works Department.
- (b) The contract or contracts for the construction of the TUMF Improvements shall be awarded to the responsible bidder(s) submitting the lowest responsive bid(s) for the construction of the TUMF Improvements.
- (c) Developer shall require, and the specifications and bid and contract documents shall require, all such contractors to pay prevailing wages (in accordance with Articles 1 and 2 of Chapter 1, Part 7, Division 2 of the Labor Code) and to otherwise comply with applicable provisions of the Labor Code, the Government Code and the Public Contract Code relating to public works projects of cities/counties and as required by the procedures and standards of AGENCY with respect to the construction of its public works projects or as otherwise directed by the Public Works Department.
- (d) All such contractors shall be required to provide proof of insurance coverage throughout the term of the construction of the TUMF Improvements which they will construct in conformance with AGENCY's standard procedures and requirements.
- (e) Developer and all such contractors shall comply with such other requirements relating to the construction of the TUMF Improvements which AGENCY may impose by written notification delivered to Developer and each such contractor at any time, either prior to the receipt of bids by Developer for the construction of the TUMF Improvements, or, to the extent required as a result of changes in applicable laws, during the progress of construction thereof.

Developer shall provide proof to AGENCY, at such intervals and in such form as AGENCY may require that the foregoing requirements have been satisfied as to the TUMF Improvements.

- 2.4 Quality of Work; Compliance With Laws and Codes. The construction plans and specifications for the TUMF Improvements shall be prepared in accordance with all applicable federal, state and local laws, ordinances, regulations, codes, standards, and other requirements. The TUMF Improvements shall be completed in accordance with all approved maps, plans, specifications, standard drawings, and special amendments thereto on file with AGENCY, as well as all applicable federal, state, and local laws, ordinances, regulations, codes, standards, and other requirements applicable at the time work is actually commenced.
- 2.5 <u>Standard of Performance</u>. Developer and its contractors, if any, shall perform all work required, constructing the TUMF Improvements in a skillful and workmanlike manner, and consistent with the standards generally recognized as being employed by professionals in the same

discipline in the State of California. Developer represents and maintains that it or its contractors shall be skilled in the professional calling necessary to perform the work. Developer warrants that all of its employees and contractors shall have sufficient skill and experience to perform the work assigned to them, and that they shall have all licenses, permits, qualifications and approvals of whatever nature that are legally required to perform the work, and that such licenses, permits, qualifications and approvals shall be maintained throughout the term of this Agreement.

- 2.6 <u>Alterations to TUMF Improvements</u>. All work shall be done and the TUMF Improvements completed as shown on approved plans and specifications, and any subsequent alterations thereto. If during the course of construction and installation it is determined that the public interest requires alterations in the TUMF Improvements, Developer shall undertake such design and construction changes as may be reasonably required by AGENCY. Any and all alterations in the plans and specifications and the TUMF Improvements to be completed may be accomplished without first giving prior notice thereof to Developer's surety for this Agreement.
- 3.0 Maintenance of TUMF Improvements. AGENCY shall not be responsible or liable for the maintenance or care of the TUMF Improvements until AGENCY approves and accepts them. AGENCY shall exercise no control over the TUMF Improvements until accepted. Any use by any person of the TUMF Improvements, or any portion thereof, shall be at the sole and exclusive risk of Developer at all times prior to AGENCY's acceptance of the TUMF Improvements. Developer shall maintain all of the TUMF Improvements in a state of good repair until they are completed by Developer and approved and accepted by AGENCY, and until the security for the performance of this Agreement is released. It shall be Developer's responsibility to initiate all maintenance work, but if it shall fail to do so, it shall promptly perform such maintenance work when notified to do so by AGENCY. If Developer fails to properly prosecute its maintenance obligation under this section, AGENCY may do all work necessary for such maintenance and the cost thereof shall be the responsibility of Developer and its surety under this Agreement. AGENCY shall not be responsible or liable for any damages or injury of any nature in any way related to or caused by the TUMF Improvements or their condition prior to acceptance. In no event shall WRCOG be responsible for the maintenance, operation or care of the TUMF Improvements
- 4.0 <u>Fees and Charges</u>. Developer shall, at its sole cost, expense, and liability, pay all fees, charges, and taxes arising out of the construction of the TUMF Improvements, including, but not limited to, all plan check, design review, engineering, inspection, sewer treatment connection fees, and other service or impact fees established by AGENCY.
- 5.0 <u>AGENCY Inspection of TUMF Improvements</u>. Developer shall, at its sole cost, expense, and liability, and at all times during construction of the TUMF Improvements, maintain reasonable and safe facilities and provide safe access for inspection by AGENCY of the TUMF Improvements and areas where construction of the TUMF Improvements is occurring or will occur.
- 6.0 <u>Liens</u>. Upon the expiration of the time for the recording of claims of liens as prescribed by Sections 8412 and 8414 of the Civil Code with respect to the TUMF Improvements, Developer shall provide to AGENCY such evidence or proof as AGENCY shall require that all persons, firms and corporations supplying work, labor, materials, supplies and equipment to the construction of the TUMF Improvements, have been paid, and that no claims of liens have been recorded by or on behalf of any such person, firm or corporation. Rather than await the expiration of the said time

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for the recording of claims of liens, Developer may elect to provide to AGENCY a title insurance policy or other security acceptable to AGENCY guaranteeing that no such claims of liens will be recorded or become a lien upon any of the Property.

- 7.0 Acceptance of TUMF Improvements; As-Built or Record Drawings. If the TUMF Improvements are properly completed by Developer and approved by AGENCY, and if they comply with all applicable federal, state and local laws, ordinances, regulations, codes, standards, and other requirements, AGENCY shall be authorized to accept the TUMF Improvements. AGENCY may, in its sole and absolute discretion, accept fully completed portions of the TUMF Improvements prior to such time as all of the TUMF Improvements are complete, which shall not release or modify Developer's obligation to complete the remainder of the TUMF Improvements. Upon the total or partial acceptance of the TUMF Improvements by AGENCY, Developer shall file with the Recorder's Office of the County of Riverside a notice of completion for the accepted TUMF Improvements in accordance with California Civil Code sections 8182, 8184, 9204, and 9208 ("Notice of Completion"), at which time the accepted TUMF Improvements shall become the sole and exclusive property of AGENCY without any payment therefore. Notwithstanding the foregoing, AGENCY may not accept any TUMF Improvements unless and until Developer provides one (1) set of "as-built" or record drawings or plans to the AGENCY for all such TUMF Improvements. The drawings shall be certified and shall reflect the condition of the TUMF Improvements as constructed, with all changes incorporated therein.
- Warranty and Guarantee. Developer hereby warrants and guarantees all the TUMF 8.0 Improvements against any defective work or labor done, or defective materials furnished in the performance of this Agreement, including the maintenance of the TUMF Improvements, for a period of one (1) year following completion of the work and acceptance by AGENCY ("Warranty"). During the Warranty, Developer shall repair, replace, or reconstruct any defective or otherwise unsatisfactory portion of the TUMF Improvements, in accordance with the current ordinances, resolutions, regulations, codes, standards, or other requirements of AGENCY, and to the approval of AGENCY. All repairs, replacements, or reconstruction during the Warranty shall be at the sole cost, expense, and liability of Developer and its surety. As to any TUMF Improvements which have been repaired, replaced, or reconstructed during the Warranty, Developer and its surety hereby agree to extend the Warranty for an additional one (1) year period following AGENCY's acceptance of the repaired, replaced, or reconstructed TUMF Improvements. Nothing herein shall relieve Developer from any other liability it may have under federal, state, or local law to repair, replace, or reconstruct any TUMF Improvement following expiration of the Warranty or any extension thereof. Developer's warranty obligation under this section shall survive the expiration or termination of this Agreement.
- 9.0 <u>Administrative Costs</u>. If Developer fails to construct and install all or any part of the TUMF Improvements, or if Developer fails to comply with any other obligation contained herein, Developer and its surety shall be jointly and severally liable to AGENCY for all administrative expenses, fees, and costs, including reasonable attorney's fees and costs, incurred in obtaining compliance with this Agreement or in processing any legal action or for any other remedies permitted by law.
- 10.0 Default; Notice; Remedies.

- 10.1 <u>Notice</u>. If Developer neglects, refuses, or fails to fulfill or timely complete any obligation, term, or condition of this Agreement, or if AGENCY determines there is a violation of any federal, state, or local law, ordinance, regulation, code, standard, or other requirement, AGENCY may at any time thereafter declare Developer to be in default or violation of this Agreement and make written demand upon Developer or its surety, or both, to immediately remedy the default or violation ("Notice"). Developer shall substantially commence the work required to remedy the default or violation within five (5) days of the Notice. If the default or violation constitutes an immediate threat to the public health, safety, or welfare, AGENCY may provide the Notice verbally, and Developer shall substantially commence the required work within twenty-four (24) hours thereof. Immediately upon AGENCY's issuance of the Notice, Developer and its surety shall be liable to AGENCY for all costs of construction and installation of the TUMF Improvements and all other administrative costs or expenses as provided for in this Section 10.0 of this Agreement.
- default or violation is not diligently prosecuted to a completion acceptable to AGENCY within the time frame contained in the Notice, AGENCY may complete all remaining work, arrange for the completion of all remaining work, and/or conduct such remedial activity as in its sole and absolute discretion it believes is required to remedy the default or violation. All such work or remedial activity shall be at the sole and absolute cost, expense, and liability of Developer and its surety, without the necessity of giving any further notice to Developer or surety. AGENCY's right to take such actions shall in no way be limited by the fact that Developer or its surety may have constructed any of the TUMF Improvements at the time of AGENCY's demand for performance. In the event AGENCY elects to complete or arrange for completion of the remaining work and the TUMF Improvements, AGENCY may require all work by Developer or its surety to cease in order to allow adequate coordination by AGENCY.
- 10.3 Other Remedies. No action by AGENCY pursuant to this Section 10.0 et seq. of this Agreement shall prohibit AGENCY from exercising any other right or pursuing any other legal or equitable remedy available under this Agreement or any federal, state, or local law. AGENCY may exercise its rights and remedies independently or cumulatively, and AGENCY may pursue inconsistent remedies. AGENCY may institute an action for damages, injunctive relief, or specific performance.
- 11.0 <u>Security</u>; <u>Surety Bonds</u>. Prior to the commencement of any work on the TUMF Improvements, Developer or its contractor shall provide AGENCY with surety bonds in the amounts and under the terms set forth below ("Security"). The amount of the Security shall be based on the estimated actual costs to construct the TUMF Improvements, as determined by AGENCY after Developer has awarded a contract for construction of the TUMF Improvements to the lowest responsive and responsible bidder in accordance with this Agreement ("Estimated Costs"). If AGENCY determines, in its sole and absolute discretion, that the Estimated Costs have changed, Developer or its contractor shall adjust the Security in the amount requested by AGENCY. Developer's compliance with this Section 11.0 <u>et seq</u>. of this Agreement shall in no way limit or modify Developer's indemnification obligation provided in Section 12.0 of this Agreement.

- 11.1 Performance Bond. To guarantee the faithful performance of the TUMF Improvements and all the provisions of this Agreement, to protect AGENCY if Developer is in default as set forth in Section 10.0 et seq. of this Agreement, and to secure the one-year guarantee and warranty of the TUMF Improvements, Developer or its contractor shall provide AGENCY a faithful performance bond in an amount which sum shall be not less than one hundred percent (100%) of the Estimated Costs. The AGENCY may, in its sole and absolute discretion, partially release a portion or portions of the security provided under this section as the TUMF Improvements are accepted by AGENCY, provided that Developer is not in default on any provision of this Agreement and the total remaining security is not less than \$9,368,000.00 (<100%) of the Estimated Costs. All security provided under this section shall be released at the end of the Warranty period, or any extension thereof as provided in Section 11.0 of this Agreement, provided that Developer is not in default on any provision of this Agreement.
- 11.2 <u>Labor & Material Bond</u>. To secure payment to the contractors, subcontractors, laborers, materialmen, and other persons furnishing labor, materials, or equipment for performance of the TUMF Improvements and this Agreement, Developer or its contractor shall provide AGENCY a labor and materials bond in an amount which sum shall not be less than one hundred percent (100%) of the Estimated Costs. The security provided under this section may be released by written authorization of AGENCY after six (6) months from the date AGENCY accepts the TUMF Improvements. The amount of such security shall be reduced by the total of all stop notice or mechanic's lien claims of which AGENCY is aware, plus an amount equal to twenty percent (20%) of such claims for reimbursement of AGENCY's anticipated administrative and legal expenses arising out of such claims.
- 11.3 Additional Requirements. The surety for any surety bonds provided as Security shall have a current A.M. Best rating of at least "A" and FSC-VIII, shall be licensed to do business in California, and shall be satisfactory to AGENCY. As part of the obligation secured by the Security and in addition to the face amount of the Security, Developer, its contractor or the surety shall secure the costs and reasonable expenses and fees, including reasonable attorney's fees and costs, incurred by AGENCY in enforcing the obligations of this Agreement. Developer, its contractor and the surety shall stipulate and agree that no change, extension of time, alteration, or addition to the terms of this Agreement, the TUMF Improvements, or the plans and specifications for the TUMF Improvements shall in any way affect its obligation on the Security.
- 11.4 <u>Evidence and Incorporation of Security</u>. Evidence of the Security shall be provided on the forms set forth in <u>Exhibit "B"</u>, unless other forms are deemed acceptable by the AGENCY, and when such forms are completed to the satisfaction of AGENCY, the forms and evidence of the Security shall be attached hereto as Exhibit "B" and incorporated herein by this reference.
- 12.0 <u>Indemnification</u>. Developer shall defend, indemnify, and hold harmless AGENCY, the Western Riverside Council of Governments (WRCOG), their elected officials, board members, employees, and agents from any and all actual or alleged claims, demands, causes of action, liability, loss, damage, or injury to property or persons, including wrongful death, whether imposed by a court of law or by administrative action of any federal, state, or local governmental agency, arising out of or incident to any acts, omissions, negligence, or willful misconduct of Developer, its employees, contractors, or agents in connection with the performance of this Agreement, or

arising out of or in any way related to or caused by the TUMF Improvements or their condition prior to AGENCY's approval and acceptance of the TUMF Improvements ("Claims"). This indemnification includes, without limitation, the payment of all penalties, fines, judgments, awards, decrees, attorney fees, and related costs or expenses, and the reimbursement of AGENCY, WRCOG, their elected officials, board members, employees, and/or agents for all legal expenses and costs incurred by each of them. This indemnification excludes only such portion of any Claim which is caused solely and exclusively by the negligence or willful misconduct of AGENCY as determined by a court or administrative body of competent jurisdiction. Developer's obligation to indemnify shall survive the expiration or termination of this Agreement, and shall not be restricted to insurance proceeds, if any, received by AGENCY, WRCOG, their elected officials, board members, employees, or agents.

13.0 Insurance.

- 13.1 <u>Types</u>; <u>Amounts</u>. Developer shall procure and maintain, and shall require its contractors to procure and maintain, during performance of this Agreement, insurance of the types and in the amounts described below ("Required Insurance"). If any of the Required Insurance contains a general aggregate limit, such insurance shall apply separately to this Agreement or be no less than two times the specified occurrence limit.
- 13.1.1 <u>General Liability</u>. Occurrence form general liability insurance at least as broad as Insurance Services Office Form CG 00 01, or equivalent form, with an occurrence limit of Two Million Dollars (\$2,000,000) and aggregate limit of Four Million Dollars (\$4,000,000) for bodily injury, personal injury, and property damage.
- 13.1.2 <u>Business Automobile Liability</u>. Business automobile liability insurance at least as broad as Insurance Services Office Form CA 00 01 (coverage symbol 1 any auto), or equivalent form, with a combined single limit of not less than One Million Dollars (\$1,000,000) per occurrence. Such insurance shall include coverage for the ownership, operation, maintenance, use, loading, or unloading of any auto owned, leased, hired, or borrowed by the insured or for which the insured is responsible.
- 13.1.3 <u>Workers' Compensation</u>. Workers' compensation insurance with limits as required by the Labor Code of the State of California and employers' liability insurance with limits of not less than One Million Dollars (\$1,000,000) per occurrence, at all times during which insured retains employees.
- 13.1.4 <u>Professional Liability</u>. For any consultant or other professional who will engineer or design the TUMF Improvements, liability insurance for errors and omissions with limits not less than Two Million Dollars (\$2,000,000) per occurrence, shall be procured and maintained for a period of five (5) years following completion of the TUMF Improvements. Such insurance shall be endorsed to include contractual liability.
- 13.2 <u>Deductibles</u>. Any deductibles or self-insured retentions must be declared to and approved by AGENCY. At the option of AGENCY, either: (a) the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects AGENCY, its elected officials, officers, employees, agents, and volunteers; or (b) Developer and its contractors shall provide a financial

guarantee satisfactory to AGENCY guaranteeing payment of losses and related investigation costs, claims, and administrative and defense expenses.

- 13.3 Additional Insured; Separation of Insureds. The Required Insurance, except for the professional liability and workers' compensation insurance, shall name AGENCY, WRCOG, their elected officials, board members, officers, employees, and agents as additional insureds with respect to work performed by or on behalf of Developer or its contractors, including any materials, parts, or equipment furnished in connection therewith. For Required Insurance provided by Developer's contractors, WRCOG shall be added as an additional insured using ISO CG 2038 or an exact equivalent. The Required Insurance shall contain standard separation of insureds provisions, and shall contain no special limitations on the scope of its protection to AGENCY, WRCOG, their elected officials, board members, officers, employees, or agents.
- 13.4 <u>Primary Insurance</u>; <u>Waiver of Subrogation</u>. The Required Insurance, except for the professional liability and workers' compensation insurance shall be primary with respect to any insurance or self-insurance programs covering AGENCY, WRCOG, their elected officials, board members, officers, employees, or agents. The Required Insurance, except for the professional liability insurance, shall provide that the insurance company waives all right of recovery by way of subrogation against AGENCY and WRCOG in connection with any damage or harm covered by such policy.
- 13.5 <u>Certificates; Verification</u>. Developer and its contractors shall furnish AGENCY with original certificates of insurance and endorsements effecting coverage for the Required Insurance. The certificates and endorsements for each insurance policy shall be signed by a person authorized by that insurer to bind coverage on its behalf. All certificates and endorsements must be received and approved by AGENCY before work pursuant to this Agreement can begin. AGENCY reserves the right to require complete, certified copies of all required insurance policies, at any time.
- 13.6 Term; Cancellation Notice. Developer and its contractors shall maintain the Required Insurance for the term of this Agreement and shall replace any certificate, policy, or endorsement which will expire prior to that date. All policies shall be endorsed to provide that the Required Insurance shall not be suspended, voided, reduced, canceled, or allowed to expire except on thirty (30) days' prior written notice to AGENCY. If such notice of cancellation endorsements are unavailable, Developer shall provide such thirty (30) days' written notice of cancellation.
- 13.7 <u>Insurer Rating</u>. Unless approved in writing by AGENCY, all Required Insurance shall be placed with insurers licensed to do business in the State of California and with a current A.M. Best rating of at least "A" and FSC-VIII.

14.0 TUMF Credit.

14.1 <u>Developer's TUMF Obligation</u>. Developer hereby agrees and accepts that as of the date of this Agreement, the amount Developer is obligated to pay to AGENCY pursuant to Ordinance No. 1044 as part of the TUMF Program is ONE MILLION TWO HUNDRED TWENTY THOUSAND EIGHT HUNDRED FIVE DOLLARS AND EIGHTEEN CENTS (\$1,220,805.18) ("TUMF Obligation"). This TUMF Obligation shall be initially determined under

the TUMF fee schedule in effect for the AGENCY at the time the Developer submits a building permit application for the TUMF Improvement. Notwithstanding, this TUMF Obligation does not have to be paid until the Certificate of Occupancy is obtained.

- 14.2 <u>Fee Adjustments</u>. Notwithstanding the foregoing, Developer agrees that this Agreement shall not estop AGENCY from adjusting the TUMF in accordance with the provisions of Ordinance No. 1044.
- 14.3 <u>Credit Offset Against TUMF Obligation</u>. Pursuant to Ordinance No 1044 and in consideration for Developer's obligation under this Agreement for the delivery of TUMF Improvements, credit shall be applied by AGENCY to offset the TUMF Obligation ("Credit") subject to adjustment and reconciliation under Section 14.5 of this agreement. Developer hereby agrees that the amount of the Credit shall be applied after Developer has initiated the process of project delivery of TUMF Improvements to the lowest responsible bidder in accordance with this Agreement. Developer further agrees that the dollar amount of the Credit shall be equal to the lesser of: (A) the bid amount set forth in the contract awarded to the lowest responsible bidder, or (B) the unit cost assumptions for the TUMF Improvement in effect at the time of the contract award, as such assumptions are identified and determined in the most recent TUMF Nexus Study and the TUMF Administrative Plan adopted by WRCOG ("Unit Cost Assumptions").

The bid amount and the Unit Cost Assumptions shall hereafter be collectively referred to as "Estimated Credit". At no time will the Credit exceed the Developer's TUMF Obligation. If the dollar amount of the Estimated Credit exceeds the dollar amount of the TUMF Obligation, Developer will be deemed to have completely satisfied its TUMF Obligation for the Project and may apply for a reimbursement agreement, to the extent applicable, as provided in Section 14.6 of this Agreement. If the dollar amount of the Estimated Credit is less than the dollar amount of the TUMF Obligation, the Developer agrees the Credit shall be applied to offset the TUMF Obligation as follows:

(i) For residential units in the Project, the Credit shall be applied to all residential units to offset and/or satisfy the TUMF Obligation. The residential units for which the TUMF Obligation has been offset and/or satisfied by use of the Credit, and the amount of offset applicable to each unit, shall be identified in the notice provided to the Developer by AGENCY pursuant to this section.

(ii) For commercial and industrial structures in the Project, the Credit shall be applied to all commercial and industrial development to offset and/or satisfy the TUMF Obligation. The commercial or industrial structure(s) for which the TUMF Obligation has been offset and/or satisfied by use of the Credit, and the amount of offset applicable to such structure(s), shall be identified in the notice provided to the Developer by AGENCY pursuant to this section.

AGENCY shall provide Developer written notice of the determinations that AGENCY makes pursuant to this section, including how the Credit is applied to offset the TUMF Obligation as described above.

- 14.4 <u>Verified Cost of the TUMF Improvements</u>. Upon recordation of the Notice of Completion for the TUMF Improvements and acceptance of the TUMF Improvements by AGENCY, Developer shall submit to the AGENCY Public Works Director the information set forth in the attached <u>Exhibit "C"</u>. The AGENCY Public Works Director, or his or her designee, shall use the information provided by Developer to calculate the total actual costs incurred by Developer in delivering the TUMF Improvements covered under this Agreement ("Verified Costs"). The AGENCY Public Works Director will use his or her best efforts to determine the amount of the Verified Costs and provide Developer written notice thereof within thirty (30) calendar days of receipt of all the required information from Developer. The Agency may request that WRCOG calculate the amount of the Verified Cost. In this case, the AGENCY shall provide WRCOG written notice and all necessary documentation and allow WRCOG fifteen (15) days to determine costs. Agency will notify the Developer within the previous thirty (30) day deadline
- 14.5 Reconciliation; Final Credit Offset Against TUMF Obligation. The Developer is aware of and accepts the fact that Credits are speculative and conceptual in nature. The actual amount of Credit that shall be applied by AGENCY to offset the TUMF Obligation shall be equal to the lesser of: (A) the Verified Costs or (B) Unit Cost Assumptions for the TUMF Improvements as determined in accordance with Section 14.3 of this Agreement ("Actual Credit"). No Actual Credit will be awarded until the Verified Costs are determined through the reconciliation process. Please be advised that while a Developer may use an engineer's estimates in order to estimate Credits for project planning purposes, the Actual Credit awarded will only be determined by the reconciliation process.
- (a) <u>TUMF Balance</u>. If the dollar amount of the Actual Credit is less than the dollar amount of the TUMF Obligation, the AGENCY Public Works Director shall provide written notice to Developer of the amount of the difference owed ("TUMF Balance") and Developer shall pay the TUMF Balance in accordance with Ordinance No. 1044 to fully satisfy the TUMF Obligation (see <u>Exhibit "F"</u> Example "A").
- (b) <u>TUMF Reimbursement.</u> If the dollar amount of the Actual Credit exceeds the TUMF Obligation, Developer will be deemed to have fully satisfied the TUMF Obligation for the Project and may apply for a reimbursement agreement, to the extent applicable, as provided in Section 14.6 of this Agreement. AGENCY shall provide Developer written notice of the determinations that AGENCY makes pursuant to this section (see <u>Exhibit "F"</u> Example "B").
- (c) <u>TUMF Overpayment.</u> If the dollar amount of the Actual Credit exceeds the Estimated Credit, but is less than the TUMF Obligation, but the Actual Credit plus additional monies collected by AGENCY from Developer for the TUMF Obligation exceed the TUMF Obligation ("TUMF Overpayment"), Developer will be deemed to have fully satisfied the TUMF Obligation for the Project and may be entitled to a refund. The AGENCY's Public Works Director shall provide written notice to WRCOG and the Developer of the amount of the TUMF Overpayment and AGENCY shall direct WRCOG to refund the Developer in accordance with Ordinance No. 1044 (see Exhibit "F" Example C)

14.6 Reimbursement Agreement. If authorized under either Section 14.3 or Section 14.5 Developer may apply to AGENCY and WRCOG for a reimbursement agreement for the amount by which the Actual Credit exceeds the TUMF Obligation, as determined pursuant to Section 14.3 of this Agreement, Ordinance No. 1044, and the TUMF Administrative Plan adopted by WRCOG ("Reimbursement Agreement"). If AGENCY and WRCOG agree to a Reimbursement Agreement with Developer, the Reimbursement Agreement shall be executed on the form set forth in Exhibit "D," and shall contain the terms and conditions set forth therein. The Parties agree that the Reimbursement Agreement shall be subject to all terms and conditions of this Agreement, and that upon execution, an executed copy of the Reimbursement Agreement shall be attached hereto and shall be incorporated herein as a material part of this Agreement as though fully set forth herein.

15.0 Miscellaneous.

- 15.1 <u>Assignment</u>. Developer may, as set forth herein, assign all or a portion of its rights pursuant to this Agreement to a purchaser of a portion or portions of the Property ("Assignment"). Developer and such purchaser and assignee ("Assignee") shall provide to AGENCY such reasonable proof as it may require that Assignee is the purchaser of such portions of the Property. Any assignment pursuant to this Section shall not be effective unless and until Developer and Assignee have executed an assignment agreement with AGENCY in a form reasonably acceptable to AGENCY, whereby Developer and Assignee agree, except as may be otherwise specifically provided therein, to the following: (1) that Assignee shall receive all or a portion of Developer's rights pursuant to this Agreement, including such credit as is determined to be applicable to the portion of the Property purchased by Assignee pursuant to Section 14.0 et seq. of this Agreement, and (2) that Assignee shall be bound by all applicable provisions of this Agreement.
- 15.2 <u>Relationship Between the Parties</u>. The Parties hereby mutually agree that this Agreement shall not operate to create the relationship of partnership, joint venture, or agency between or among AGENCY. WRCOG and Developer. Developer's contractors are exclusively and solely under the control and dominion of Developer. Nothing herein shall be deemed to make Developer or its contractors an agent or contractor of AGENCY. This Agreement shall be interpreted and administered in a manner consistent with the TUMF Administrative Plan in effect at the time this Agreement is executed.
- 15.3 <u>Warranty as to Property Ownership</u>; <u>Authority to Enter Agreement</u>. Developer hereby warrants that it owns fee title to the Property and that it has the legal capacity to enter into this Agreement. Each Party warrants that the individuals who have signed this Agreement have the legal power, right, and authority make this Agreement and bind each respective Party.
- 15.4 <u>Prohibited Interests</u>. Developer warrants that it has not employed or retained any company or person, other than a bona fide employee working solely for Developer, to solicit or secure this Agreement. Developer also warrants that it has not paid or agreed to pay any company or person, other than a bona fide employee working solely for Developer, any fee, commission, percentage, brokerage fee, gift, or other consideration contingent upon the making of this Agreement. For breach of this warranty, AGENCY shall have the right to rescind this Agreement without liability.

15.5 <u>Notices</u>. All notices, demands, invoices, and written communications shall be in writing and delivered to the following addresses or such other addresses as the Parties may designate by written notice:

To AGENCY:

Western Riverside Council of Governments 3390 University Avenue, Suite 200 Riverside, CA 92501 Attention: Executive Director Telephone: (951) 405-6700 Fax No. (951) 223-9720

To Developer: CRP LDF Palomino, LLC

Attn: Garrett Kuntz

1300 Dove Street, Suite #200 Newport Beach, CA 92660 Telephone: (949) 280-3995

Depending upon the method of transmittal, notice shall be deemed received as follows: by facsimile, as of the date and time sent; by messenger, as of the date delivered; and by U.S. Mail first class postage prepaid, as of 72 hours after deposit in the U.S. Mail.

- 15.6 <u>Cooperation; Further Acts</u>. The Parties shall fully cooperate with one another, and shall take any additional acts or sign any additional documents as may be necessary, appropriate, or convenient to attain the purposes of this Agreement.
- 15.7 <u>Construction; References; Captions.</u> It being agreed the Parties or their agents have participated in the preparation of this Agreement, the language of this Agreement shall be construed simply, according to its fair meaning, and not strictly for or against any Party. Any term referencing time, days, or period for performance shall be deemed calendar days and not work days. All references to Developer include all personnel, employees, agents, and contractors of Developer, except as otherwise specified in this Agreement. All references to AGENCY include its elected officials, officers, employees, agents, and volunteers except as otherwise specified in this Agreement. The captions of the various articles and paragraphs are for convenience and ease of reference only, and do not define, limit, augment, or describe the scope, content, or intent of this Agreement.
- 15.8 <u>Amendment; Modification</u>. No supplement, modification, or amendment of this Agreement shall be binding unless executed in writing and signed by both Parties.
- 15.9 <u>Termination</u>. This Agreement shall terminate 10 years after the Effective Date, unless extended in writing by the Parties. In addition, this Agreement shall terminate 5 years after the Effective Date in the event that the TUMF Improvements as specified in the Credit Agreement is not commenced within 5 years of the Effective Date.

- 15.9.1 <u>Waiver</u>. No waiver of any default shall constitute a waiver of any other default or breach, whether of the same or other covenant or condition. No waiver, benefit, privilege, or service voluntarily given or performed by a Party shall give the other Party any contractual right by custom, estoppel, or otherwise.
- 15.9.2 <u>Binding Effect</u>. Each and all of the covenants and conditions shall be binding on and shall inure to the benefit of the Parties, and their successors, heirs, personal representatives, or assigns. This section shall not be construed as an authorization for any Party to assign any right or obligation.
- 15.9.3 <u>No Third-Party Beneficiaries</u>. There are no intended third-party beneficiaries of any right or obligation assumed by the Parties.
- 15.9.4 <u>Invalidity</u>; <u>Severability</u>. If any portion of this Agreement is declared invalid, illegal, or otherwise unenforceable by a court of competent jurisdiction, the remaining provisions shall continue in full force and effect.
- 15.9.5 Consent to Jurisdiction and Venue. This Agreement shall be construed in accordance with and governed by the laws of the State of California. Any legal action or proceeding brought to interpret or enforce this Agreement, or which in any way arises out of the Parties' activities undertaken pursuant to this Agreement, shall be filed and prosecuted in the appropriate California State Court in the County of Riverside, California. Each Party waives the benefit of any provision of state or federal law providing for a change of venue to any other court or jurisdiction including, without limitation, a change of venue based on the fact that a governmental entity is a party to the action or proceeding, or that a federal right or question is involved or alleged to be involved in the action or proceeding. Without limiting the generality of the foregoing waiver, Developer expressly waives any right to have venue transferred pursuant to California Code of Civil Procedure Section 394.
- 15.9.6 <u>Time is of the Essence</u>. Time is of the essence in this Agreement, and the Parties agree to execute all documents and proceed with due diligence to complete all covenants and conditions.
- 15.9.7 <u>Counterparts</u>. This Agreement may be signed in counterparts, each of which shall constitute an original and which collectively shall constitute one instrument.
- 15.9.8 Entire Agreement. This Agreement contains the entire agreement between AGENCY and Developer and supersedes any prior oral or written statements or agreements between AGENCY and Developer.

[SIGNATURES OF PARTIES ON NEXT PAGE]

IN WITNESS WHEREOF, the Parties hereto have executed this Agreement as of the day and year first above written.

	<u>DEVELOPER</u> : CRP LDF Palomino, LLC				
	By: Its:				
ATTEST:					
By:					
	WESTERN RIVERSIDE COUNCIL OF GOVERNMENT:				
	By:				
ATTEST:					
By:					
	AGENCY: City of Norco				
	By:				
ATTEST:					
By:					
Its:					

For Use Between Public Agency and Developer "Master Agreement"

EXHIBIT "A"

LEGAL DESCRIPTION OF PROPERTY

Being a Subdivision of Portions of Lots 1 through 8 in Block 12 of Riverside Orange Heights Tract, per map recorded in Book 6, page 74 of Maps, a portion of Lot 17 of Corona Citrus Tract, per map recorded in Book 8, page 24 of Maps, Parcels 1 through 4 of Parcel Map No. 7092, recorded in Parcel Map Book 22, page 38, Parcels 1 through 3 of Parcel Map No. 7191, recorded in Parcel Map Book 23, pages 45-46, and Parcel 4 of Parcel Map No. 7836, recorded in Parcel Map Book 27, pages 30-31, all in the office of the Recorder of said County.

EXHIBIT A-1

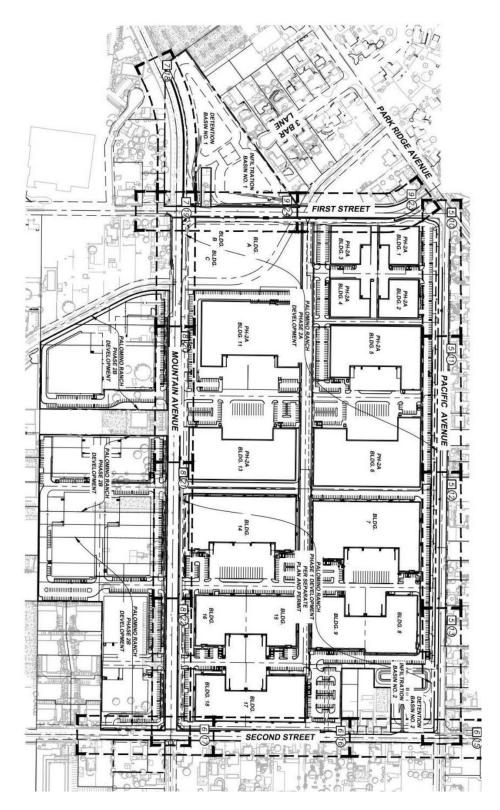


EXHIBIT A-2

PALOMINO BUSINESS PARK LOCATION MAP

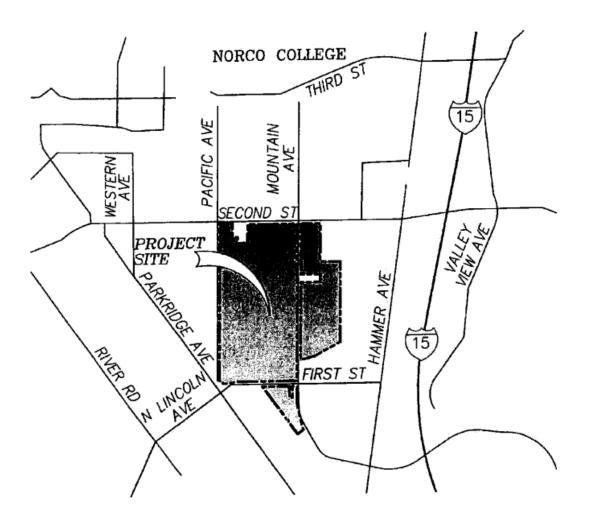


EXHIBIT A-3

EXHIBIT "B"

FORMS FOR SECURITY

[ATTACHED BEHIND THIS PAGE]

BOND NO.	
INITIAL PREMIUM:	
SUI	BJECT TO RENEWAL

PERFORMANCE BOND

WHEREAS, the City of Norco ("AGENCY") has executed an agreement with (hereinafter "Developer"), requiring
Developer to perform certain work consisting of but not limited to, furnishing all labor, materials, tools, equipment, services, and incidentals for the construction of street and transportation system improvements (hereinafter the "Work");
WHEREAS, the Work to be performed by Developer is more particularly set forth in that certain TUMF Improvement and Credit/Reimbursement Agreement dated, (hereinafter the "Agreement"); and
WHEREAS, the Agreement is hereby referred to and incorporated herein by this reference; and
WHEREAS, Developer or its contractor is required by the Agreement to provide a good and sufficient bond for performance of the Agreement, and to guarantee and warranty the Work constructed thereunder.
NOW, THEREFORE, we the undersigned,, as
Principal and, a corporation organized and existing under the laws of the State of and duly authorized to transact business under the laws of the State of California, as Surety, are held and firmly bound unto the AGENCY in the sum of
(\$), said sum being not less than one hundred percent (100%) of the total cost of the Work as set forth in the Agreement, we bind ourselves, our heirs, executors and administrators, successors and assigns, jointly and severally, firmly by these presents.
THE CONDITION OF THIS OBLIGATION is such, that if Developer and its contractors, or their heirs, executors, administrators, successors or assigns, shall in all things stand to and abide by, and well and truly keep and perform the covenants, conditions, agreements, guarantees, and warranties in the Agreement and any alteration thereof made as therein provided, to be kept and performed at the time and in the manner therein specified and in all respects according to their intent and meaning, and to indemnify and save harmless AGENCY, its officers, employees, and agents, as stipulated in the Agreement, then this obligation shall become null and void; otherwise it shall be and remain in full force and effect.
As part of the obligation secured hereby, and in addition to the face amount specified therefor, there shall be included costs and reasonable expenses and fees, including reasonable attorney's fees, incurred by AGENCY in successfully enforcing such obligation, all to be taxed as costs and included in any judgment rendered.

EXHIBIT B-2

The said Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or additions to the terms of the said Agreement or to the Work to be performed

thereunder or the specification accompanying the same shall in any way affect its obligations on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the Agreement or to the Work.

, 20		
	Principal	
	By: President	
	Surety	
	By: Attorney-in-Fact	

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE §1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document, to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA COUNTY OF) _)		
On	, before me,			
Date		Here Insert Name and Title of the Officer		
personally appeared		Name(s) of Signer(s)		
the within instrument and acknowle	dged to me that he/s eir signature(s) on th	to be the person(s) whose name(s) is/are subscribed to he/they executed the same in his/her/their authorized e instrument the person(s), or the entity upon behalf of		
		I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.		
		WITNESS my hand and official seal.		
		Signature		
		Signa ture of Notary Public		
Place Notary Seal Above	OPT	ONAL		
Though this section is optional, compl	eting this information c	ONAL_ an deter alteration of the document or fraudulent reattachment nintended document.		
Description of Attached Documen Title of Type of Document: Number of Pages: Signature	nt gner(s) Other Than N	Document Date:amed Above:		
Capacity(ies) Claimed by Signer(s	3)			
Signer's Name:		Signer's Name:		
☐ Corporate Officer – Title(s):		☐ Corporate Officer – Title(s):		
☐ Individual ☐ Attorney in	neral Fact or Conservator	□ Partner - □ Limited□ General □ Individual □ Attorney in Fact □ Trustee □ Guardian or Conservator		

EXHIBIT B-4

Signer is Representing:
-
-
TE AS TO CORPORATE PRINCIPAL , certify that I am the Secretary d as principal in the attached bond, that
who signed the said bond on behalf of the principal
of said corporation; that I know his
o is genuine; and that said bond was duly signed, sealed and
rnoration by authority of its governing Roard
orporation by authority of its governing Board.
reportation by authority of its governing board.
Signature

EXHIBIT B-5

BOND NO	
INITIAL PREMIUM: _	
SUB	JECT TO RENEWAL

LABOR & MATERIAL BOND

WHEREAS, the City of Norco ("AGENCY") has executed an agreement with (hereinafter "Developer"), requiring Developer to
perform certain work consisting of but not limited to, furnishing all labor, materials, tools, equipment, services, and incidentals for the construction of street and transportation system improvements (hereinafter "Work");
WHEREAS, the Work to be performed by Developer is more particularly set forth in that certain Improvement and Credit / Reimbursement Agreement dated, (hereinafter the "Agreement"); and
WHEREAS, Developer or its contractor is required to furnish a bond in connection with the Agreement providing that if Developer or any of his or its contractors shall fail to pay for any materials, provisions, or other supplies, or terms used in, upon, for or about the performance of the Work contracted to be done, or for any work or labor done thereon of any kind, or for amounts due under the provisions of 3248 of the California Civil Code, with respect to such work or labor, that the Surety on this bond will pay the same together with a reasonable attorney's fee in case suit is brought on the bond.
NOW, THEREFORE, we the undersigned,
(\$), said sum being not less than 100% of the total amount payable by Developer under the terms of the Agreement, for which payment well and truly to be made, we bind ourselves, our heirs, executors and administrators, successors and assigns jointly and severally, firmly by these presents.
THE CONDITION OF THIS OBLIGATION IS SUCH that if Developer or its contractors, or their heirs, executors, administrators, successors, or assigns, shall fail to pay for any materials, provisions, or other supplies or machinery used in upon, for or about the performance of the Work

or their heirs, executors, administrators, successors, or assigns, shall fail to pay for any materials, provisions, or other supplies or machinery used in, upon, for or about the performance of the Work contracted to be done, or for work or labor thereon of any kind, or fail to pay any of the persons named in California Civil Code Section 9100, or amounts due under the Unemployment Insurance Code with respect to work or labor performed by any such claimant, or for any amounts required to be deducted, withheld, and paid over to the Employment Development Department from the wages of employees of the contractor and his subcontractors pursuant to Section 13020 of the

Unemployment Insurance Code with respect to such work and labor, and all other applicable laws of the State of California and rules and regulations of its agencies, then said Surety will pay the same in or to an amount not exceeding the sum specified herein.

In case legal action is required to enforce the provisions of this bond, the prevailing party shall be entitled to recover reasonable attorneys' fees in addition to court costs, necessary disbursements and other consequential damages. In addition to the provisions hereinabove, it is agreed that this bond will inure to the benefit of any and all persons, companies and corporations entitled to make claims under Sections 8024, 8400, 8402, 8404, 8430, 9100 of the California Civil Code, so as to give a right of action to them or their assigns in any suit brought upon this bond.

The said Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or additions to the terms of the Agreement or to the Work to be performed thereunder or the specification accompanying the same shall in any way affect its obligations on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the Agreement or to the Work.

Principal
By: President
Surety
By:Attorney-in-Fact

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE §1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA COUNTY OF)	
On, before me,		
, Date	Here Insert Name and Title of the Officer	
personally appeared		
	Name(s) of Signer(s)	
the within instrument and acknowledged to me that he	ce to be the person(s) whose name(s) is/are subscribed to e/she/they executed the same in his/her/their authorized the instrument the person(s), or the entity upon behalf of	
	I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.	
	WITNESS my hand and official seal.	
	Signature	
	Signa ture of Notary Public	
Place Notary Seal Above		
OP ⁻	TIONAL	
	n can deter alteration of the document or fraudulent reattachment n unintended document.	
Description of Attached Document		
Fitle of Type of Document: Number of Pages: Signer(s) Other Than	Document Date:	
Number of Pages Signer(s) Other Than	i Named Above	
Capacity(ies) Claimed by Signer(s)		
Signer's Name:	Signer's Name:	
☐ Corporate Officer – Title(s):	☐ Corporate Officer – Title(s):	
☐ Partner - ☐ Limited☐ General	☐ Partner - ☐ Limited☐ General	
☐ Individual ☐ Attorney in Fact	☐ Individual ☐ Attorney in Fact	
☐ Trustee ☐ Guardian or Conservator	☐ Trustee ☐ Guardian or Conservator	

EXHIBIT B-8

Other:	Other:	
Signer is Representing:	Signer is Representing:	
_	_	
		
_	_	
CERTIFICATE AS	TO CORPORATE PRINCIPAL	
<u>CERTIFICATE AS</u>	TO COM ORATE I MINCH AL	
I.	, certify that I am the Secretary	
of the corporation named as	principal in the attached bond, that	
*	who signed the said bond on behalf of the principal	
	of said corporation; that I know his	
signature, and his signature thereto is ger	nuine; and that said bond was duly signed, sealed and	
attested for and in behalf of said corporation	• •	
and or and in ourall or suite corporation	on of whiterry of the governing Double	
(Corporate Seal)		
(Signature	
	Date	
	Date	
NOTE: A copy of the power of attament	o local representatives of the bonding company may be	
NOTE. A copy of the power of attorney to	o local representatives of the boliding company may be	

attached hereto.

EXHIBIT "C"

DOCUMENTATION TO BE PROVIDED TO AGENCY BY DEVELOPER FOR DETERMINATION OF VERIFIED COSTS

To assist AGENCY in determining the Verified Costs for a completed TUMF Improvement, Developer shall provide the following documents to AGENCY:

- 1. Plans, specifications and Developer's civil engineer's cost estimate;
- 2. If Developer is seeking Credit for such costs, documentation evidencing cost of any required environmental studies, preparation of designs, plans and specifications, required right of way acquisition, and other costs directly related to the development of the TUMF Improvement. Only actual, documented and reasonable costs directly related to the TUMF Improvement will be considered. Costs should be documented as specified below.
- 3. Costs claimed for right of way acquisition must be accompanied by an appraisal (no more than two years old at the time of acquisition) completed by an MAI appraiser, and documentation of transfer of such right of way to the AGENCY, or applicable public agency. The appraisal must be approved by the AGENCY as valid and acceptable.
 - 4. List of bidders from whom bids were requested;
 - 5. Construction schedules and progress reports;
- 6. Contracts, insurance certificates and change orders with each contractor, consultant, service provider or vendor;
 - 7. Invoices received from all contractors, consultants, service providers and vendors;
- 8. Canceled checks for payments made to contractors, consultants, service providers and vendors (copy both front and back of canceled checks);
- 9. Spreadsheet showing total costs incurred in and related to the construction of each TUMF Improvement and the check number for each item of cost and invoice;
 - 10. Final lien releases from each contractor and vendor; and
- 11. Such further documentation as may be reasonably required by AGENCY to evidence the completion of construction and the payment of each item of cost and invoice.

EXHIBIT "D"

REIMBURSEMENT AGREEMENT TRANSPORTATION UNIFORM MITIGATION FEE PROGRAM

THIS REIN	MBURSEMENT	AGREEMEN	Γ ("Agreement	t") is entered in	nto this	day
of	, 20, b	y and between	the City of N	Norco, a Calife	ornia m unic	cipal
corporation ("AGE	NCY"), the Weste	ern Riverside Co	ouncil of Gove	ernments ("WF	COG"), a J	oint
Powers Agency and	d CRP LDF Palon	nino, LLC, a Ca	alifornia Corpo	oration with its	principal p	lace
of business at 1300	Dove Street, Suite	#200, Newport	Beach, CA 92	660 ("Develop	er"). AGEN	JCY
and Developer are	sometimes herein	after referred to	individually	as "Party" and	l collectively	y as
"Parties".			•	•	•	•

RECITALS

WHEREAS, AGENCY, WRCOG and Developer are parties to an agreement dated ________, 20______, entitled "Improvement and Credit Agreement - Transportation Uniform Mitigation Fee Program" (hereinafter "Credit Agreement");

WHEREAS, Sections 14.1 through 14.3 of the Credit Agreement provide that Developer is obligated to pay AGENCY the TUMF Obligation, as defined therein, but shall receive credit to offset the TUMF Obligation if Developer constructs and AGENCY accepts the TUMF Improvements in accordance with the Credit Agreement;

WHEREAS, Section 14.5 of the Credit Agreement provides that if the dollar amount of the credit to which Developer is entitled under the Credit Agreement exceeds the dollar amount of the TUMF Obligation, Developer may apply to AGENCY and WRCOG for a reimbursement agreement for the amount by which the credit exceeds the TUMF Obligation;

WHEREAS, Section 14.5 additionally provides that a reimbursement agreement executed pursuant to the Credit Agreement (i) shall be executed on the form attached to the Credit Agreement, (ii) shall contain the terms and conditions set forth therein, (iii) shall be subject to all terms and conditions of the Credit Agreement, and (iv) shall be attached upon execution to the Credit Agreement and incorporated therein as a material part of the Credit Agreement as though fully set forth therein; and

WHEREAS, AGENCY and WRCOG have consented to execute a reimbursement agreement with Developer pursuant to the Credit Agreement, (insert appropriate reference for city or county), and the TUMF Administrative Plan adopted by WRCOG.

NOW, THEREFORE, for the purposes set forth herein, and for good and valuable consideration, the adequacy of which is hereby acknowledged, the Parties hereby agree as follows:

TERMS

1.0 <u>Incorporation of Recitals</u>. The Parties hereby affirm the facts set forth in the Recitals above and agree to the incorporation of the Recitals as though fully set forth herein.

- 2.0 <u>Effectiveness</u>. This Agreement shall not be effective unless and until the Credit Agreement is effective and in full force in accordance with its terms.
- 3.0 <u>Definitions</u>. Terms not otherwise expressly defined in this Agreement, shall have the meaning and intent set forth in the Credit Agreement.
- Amount of Reimbursement. Subject to the terms, conditions, and limitations set forth in this Agreement, the Parties hereby agree that Developer is entitled to receive the dollar amount by which the Actual Credit exceeds the dollar amount of the TUMF Obligation as determined pursuant to the Credit Agreement, Ordinance No. 1044, and the TUMF Administrative Plan adopted by WRCOG ("Reimbursement"). The Reimbursement shall be subject to verification by WRCOG. AGENCY and Developer shall provide any and all documentation reasonably necessary for WRCOG to verify the amount of the Reimbursement. The Reimbursement shall be in an amount not exceeding [INSERT DOLLAR AMOUNT] ("Reimbursement Amount"). WRCOG shall, upon receipt and approval of information requested by WRCOG, shall be responsible for transmitting the Reimbursement Amount to the Developer. In no event shall the dollar amount of the Reimbursement exceed the difference between the dollar amount of all credit applied to offset the TUMF Obligation pursuant to Section 14.3, 14.4, and 14.5 of the Credit Agreement, and one hundred (100%) of the approved unit awarded, as such assumptions are identified and determined in the Nexus Study and the TUMF Administrative Plan adopted by WRCOG.
- 5.0 <u>Payment of Reimbursement; Funding Contingency</u>. The payment of the Reimbursement Amount shall be subject to the following conditions:
- 5.1 Developer shall have no right to receive payment of the Reimbursement unless and until (i) the TUMF Improvements are completed and accepted by AGENCY in accordance with the Credit Agreement, (ii) the TUMF Improvements are scheduled for funding pursuant to the five-year Transportation Improvement Program adopted annually by WRCOG, (iii) WRCOG has funds available and appropriated for payment of the Reimbursement amount.
- 5.2 Developer shall not be entitled to any interest or other cost adjustment for any delay between the time when the dollar amount of the Reimbursement is determined and the time when payment of the Reimbursement is made to Developer by WRCOG through AGENCY.
- 6.0 <u>Affirmation of Credit Agreement</u>. AGENCY and Developer represent and warrant to each other that there have been no written or oral modifications or amendments of the Credit Agreement, except by this Agreement. AGENCY and Developer ratify and reaffirm each and every one of their respective rights and obligations arising under the Credit Agreement. AGENCY and Developer represent and warrant that the Credit Agreement is currently an effective, valid, and binding obligation.
- 7.0 <u>Incorporation Into Credit Agreement</u>. Upon execution of this Agreement, an executed original of this Agreement shall be attached as Exhibit "D" to the Credit Agreement and shall be incorporated therein as a material part of the Credit Agreement as though fully set forth therein.
- 8.0 <u>Terms of Credit Agreement Controlling</u>. Each Party hereby affirms that all provisions of the Credit Agreement are in full force and effect and shall govern the actions of the Parties under this Agreement as though fully set forth herein and made specifically applicable hereto, including

without limitation, the following sections of the Credit Agreement: Sections 10.0 through 10.3, Section 12.0, Sections 13.0 through 13.7, Sections 14.0 through 14.6, and Sections 15.0 through 15.17.

[SIGNATURES OF PARTIES ON NEXT PAGE]

IN WITNESS WHEREOF, the Parties hereto have executed this Agreement as of the day and year first above written. \Box

	CRP LDF Palomino, LLC ("Developer")	
	Ву:	
	Its:	
ATTEST:		
By:		
Its:		
	City of Norco	
	Ву:	
	Its:	
ATTEST:		
By:		
Its:		

EXHIBIT "E"

TUMF CREDIT / REIMBURSEMENT ELIGIBILITY PROCESS

- 1. Prior to the construction of any TUMF Improvement, Developer shall follow the steps listed below:
 - (a) Prepare a separate bid package for the TUMF Improvements.
- (b) The plans, cost estimate, specifications and contract document shall require all contractors to pay prevailing wages and to comply with applicable provisions of the Labor Code, Government Code, and Public Contract Code relating to Public Works Projects.
- (c) Bids shall be obtained and processed in accordance with the formal public works bidding requirements of the AGENCY.
- (d) The contract(s) for the construction of TUMF Improvements shall be awarded to the lowest responsible bidder(s) for the construction of such facilities in accordance with the AGENCY's requirements and guidelines.
- (e) Contractor(s) shall be required to provide proof of insurance coverage throughout the duration of the construction.
- 2. Prior to the determination and application of any Credit pursuant to a TUMF Improvement and Credit Agreement executed between AGENCY and Developer ("Agreement"), Developer shall provide the AGENCY and WRCOG with the following:
 - (a) Copies of all information listed under Item 1 above.
- (b) Surety Bond, Letter of Credit, or other form of security permitted under the Agreement and acceptable to the AGENCY and WRCOG, guaranteeing the construction of all applicable TUMF Improvements.
- 3. Prior to the AGENCY's acceptance of any completed TUMF Improvement, and in order to initiate the construction cost verification process, the Developer shall comply with the requirements as set forth in Sections 7, 14.2 and 14.3 of the Agreement, and the following conditions shall also be satisfied:
- (a) Developer shall have completed the construction of all TUMF Improvements in accordance with the approved Plans and Specifications.
 - (b) Developer shall have satisfied the AGENCY's inspection punch list.
- (c) After final inspection and approval of the completed TUMF Improvements, the AGENCY shall have provided the Developer a final inspection release letter.

- (d) AGENCY shall have filed a Notice of Completion with respect to the TUMF Improvements pursuant to Section 3093 of the Civil Code with the County Recorder's Office, and provided a copy of filed Notice of Completion to WRCOG.
- (e) Developer shall have provided AGENCY a copy of the As-Built plans for the TUMF Improvements.
- (f) Developer shall have provided AGENCY copies of all permits or agreements that may have been required by various resource/regulatory agencies for construction, operation and maintenance of any TUMF Improvements.
- (g) Developer shall have submitted a documentation package to the AGENCY to determine the final cost of the TUMF Improvements, which shall include at a minimum, the following documents related to the TUMF Improvements:
- (i) Plans, specifications, and Developer's Civil Engineer's cost estimates; or Engineer's Report showing the cost estimates.
- (ii) If DEVELOPER is seeking Credit for such costs, documentation evidencing cost of any required environmental studies, preparation of designs, plans and specifications, required right of way acquisition, and other costs directly related to the development of the TUMF Improvements. Only actual, documented and reasonable costs directly related to the TUMF Improvements will be considered. Costs should be documented as specified below.
- (iii) Costs claimed for right of way acquisition must be accompanied by an appraisal (no more than two years old at the time of acquisition) completed by an MAI appraiser, and documentation of transfer of such right of way to the AGENCY, or applicable public agency. The appraisal must be approved by the AGENCY as valid and acceptable.
 - (iv) Contracts/agreements, insurance certificates and change orders with each vendor or contractor.
 - (v) Invoices from all contractors, consultants, service providers and vendors.
 - (vi) Copies of cancelled checks, front and back, for payments made to contractors, consultants, service providers and vendors.
 - (vii) Final lien releases from each contractor and vendor (unconditional waiver and release).
 - (viii) Certified contract workers payroll for AGENCY verification of compliance with prevailing wages.
 - (ix) A total cost summary, in spreadsheet format (MS Excel is preferred) and on disk, showing a breakdown of the total costs incurred. The summary should include for each item claimed the check number, cost, invoice numbers, and name of payee. See

attached sample for details. [ATTACH SAMPLE, IF APPLICABLE; OTHERWISE DELETE REFERENCE TO ATTACHED SAMPLE

EXHIBIT "F"

RECONCILIATION EXAMPLES

All examples are based on a single family residential development project of 200 dwelling units:

200 SF dwelling units @ \$6,650 / dwelling unit = \$1,330,000 in fees (TUMF Obligation)

Example A: "TUMF BALANCE"

CREDIT

TUMF Obligation: \$1,330,000

Estimated Credit: Bid (\$1,500,000) or unit Cost Assumption (\$1,600,000) whichever is less \$1,500,000

Potential Reimbursement: (\$170,000)

RECONCILIATION

TUMF Obligation: \$1,330,000 Actual Credit: \$1,200,000

TUMF Balance (Payment to TUMF): \$130,000

Example B: "REIMBURSEMENT"

CREDIT

TUMF Obligation: \$1,330,000

Estimated Credit: Bid (\$1,500,000) or unit Cost Assumption (\$1,600,000) whichever is less \$1,500,000

Potential Reimbursement: (\$170,000)

RECONCILIATION

TUMF Obligation: \$1,330,000 Actual Credit: \$1,500,000

Reimbursement Agreement with Developer (Based on Priority Ranking): (\$170,000)

Example C: "TUMF OVERPAYMENT"

CREDIT

TUMF Obligation: \$1,330,000

Estimated Credit: Bid (\$1,200,000) or unit Cost Assumption (\$1,500,000) whichever is less \$1,200,000

Remaining TUMF Obligation: \$130,000

Prorated Fee: \$130,000 / 200 du = \$650 / du

RECONCILIATION

Actual Credit: \$1,300,000

TUMF payments from Developer (\$650 per unit x 200 units) \$130,000

Actual Credit plus TUMF Payment \$1,430,000

TUMF Obligation: \$1,330,000

Actual Credit plus TUMF Payment \$1,430,000 (\$100,000)

EXHIBIT "G"

CAPROCK PARTNERS Tract No. 37681

Initial TUMF Credit Summary

List of eligible streets/facilities under the TUMF Program for subject plot plan: First Street (Northwest TUMF Zone)

Initial Credit shall be equal to the lesser of the following:

TUMF Obligation (see next page for Details) TUMF Unit Cost Assumption (see next page for Details) Improvement Costs (Low Bid) (see below for details)	\$ \$ \$	2,667,877 762,574 1,008,635
Improvement Costs Breakdown		
Street Improvement Construction Costs First Street - ESTIMATE	\$	674,333
Right of Way Cost : First Street	\$	98,286
Planning, Engineering, Construction Management, Geotechnical Services (35%)	\$	236,016
Improvement Costs Total	\$	1,008,635
Initial TUMF Credit: Initial Credit (Obligation, Low Bid or Unit Cost Assumption, whichever is less) Unpaid Single Family Dwelling Units Total Credit to be applied to unpaid single family units	\$ \$	762,574 1,473,965 762,574
TUMF Overpayment / Refund:		
Estimated TUMF Obligation	\$	2,667,877
Estimated Credit amount + Paid TUMF amount	\$	762,574
Refund (Credit + paid TUMF amount that exceeds Obligation amount)	\$	-
TUMF Reimbursement:		
Estimated TUMF Obligation	\$	2,667,877
Estimated Cost (Lesser of Bid Amount or Unit Cost Assumptions)	\$	762,574
Estimated TUMF Reimbursement (Cost exceeding Obligation amount)		\$0

EXHIBIT G-1 Pardee Homes

CAPROCK PARTNERS Tract No. 37681

TUMF OBLIGATION CALCULATION

Unit Type - PAID	Fee per SF	Units	Amount
Industrial	\$ 1.81	0	\$ -
	Paid Subtotal	0	- \$

Unit Type - UNPAID	Fee per SF	TOTAL SF	Amount
Industrial	\$ 1.81	1,473,965	\$ 2,667,877
	Unpaid Subtotal	1,473,965	\$ 2,667,877
	Obligation Total	1,473,965	\$ 2,667,877

TUMF UNIT COST ASSUMPTION CALCULATION

(2016 Nexus Study Unit Cost Assumption)

			TION	(2010 Nexus		
	VRCOG TUMF Network Road Segment applicable to Proposed Ir				Cost Item	Amount
First Stre	et (Parkridge to Mo	ountain)				
	Network Distance	e: 0.26	miles		Road Const	\$ 383,000
	Existing Lanes:		2		ROW/Utilities	\$ 195,000
	Increase in Lanes	s:	2		Planning (10%)	\$ 38,000
					Engring (25%)	\$ 96,000
					Conting (10%)	\$ 58,000
				Network Road Segn	 nent Cost Est	\$ 770,000
				Network Unit Cost p	er Lane mile	\$ 1,480,769
				Network Unit Cost p	er Lane foot	\$ 280
Road Imp	rovement Cost Es	timate (based on Ne	twork Unit C	Cost per Lane foot)		
Lane	Construction Lir	nits (Sta. to Sta.)			Linear Feet	Amount
1	10+35.13	24+18.99			1,383.86	\$ 388,102
2	10+35.13	23+70.39			1,335.26	\$ 374,472
				TUMF Subtotal	2,719.12	\$ 762,574

TOTAL TUME UNIT COST AS	SSUMPTION FOR FLIGIBLE IMPROVEMENTS	\$ 762 574

Pardee Homes EXHIBIT G-2

EXHIBIT "G"

CAPROCK PARTNERS Tract No. 37681

Initial TUMF Credit Summary

List of eligible streets/facilities under the TUMF Program for subject plot plan: Second Street (Northwest TUMF Zone)

Initial Credit shall be equal to the lesser of the following:

TUMF Obligation (see next page for Details) TUMF Unit Cost Assumption (see next page for Details) Improvement Costs (Low Bid) (see below for details)	\$ \$ \$	2,667,877 888,923 1,155,903
Improvement Costs Breakdown		
Street Improvement Construction Costs Second Street - ESTIMATE	\$	763,874
Right of Way Cost : Second Street	\$	124,673
Planning, Engineering, Construction Management, Geotechnical Services (35%)	\$	267,356
Improvement Costs Total	\$	1,155,903
Initial TUMF Credit:		
Initial Credit (Obligation, Low Bid or Unit Cost Assumption, whichever is less)	\$	888,923
Unpaid Single Family Dwelling Units		1,473,965
Total Credit to be applied to unpaid single family units	\$	888,923
TUMF Overpayment / Refund:		
Estimated TUMF Obligation	\$	2,667,877
Estimated Credit amount + Paid TUMF amount	\$	888,923
Refund (Credit + paid TUMF amount that exceeds Obligation amount)	\$	-
TUME Deimburgement		
TUMF Reimbursement:	_	
Estimated TUMF Obligation	\$	2,667,877
Estimated Cost (Lesser of Bid Amount or Unit Cost Assumptions)	\$	888,923
Estimated TUMF Reimbursement (Cost exceeding Obligation amount)		\$0

EXHIBIT G-1 Pardee Homes

CAPROCK PARTNERS Tract No. 37681

TUMF OBLIGATION CALCULATION

Dwelling Unit Type - PAID	Fee per SF	Units	Amount
Single Family Residential Unit	\$ 1.81	0	\$ -
	Paid Subtotal	0	\$ -

Dwelling Unit Type - UNPAID	Fee per SF	TOTAL SF	Amount	
Single Family Residential Unit (TR 30386)	\$ 1.81	1,473,965	\$ 2,667,877	
	Unpaid Subtotal	1,473,965	\$ 2,667,877	
	·			
	Obligation Total	1,473,965	\$ 2,667,877	

TUMF UNIT COST ASSUMPTION CALCULATION

(2016 Nexus Study Unit Cost Assumption)

WRCOG T	TUMF Network Roa	id Segment a	plicable to P	roposed Imp	provements	Cost Item	Amount
	Street (River to I15)						
	Network Distance	:	1.44 m	niles		Road Const	\$ 2,143,000
	Existing Lanes:		2			ROW/Utilities	\$ 1,089,000
	Increase in Lanes	:	2			Planning (10%)	\$ 214,000
						Engring (25%)	\$ 536,000
						Conting (10%)	\$ 323,000
					Network Road Segm	ent Cost Est	\$ 4,305,000
					Network Unit Cost pe	er Lane mile	\$ 1,494,792
					Network Unit Cost pe	er Lane foot	\$ 283
Road Imp	rovement Cost Est	timate (based	on Network l	Jnit Cost per	Lane foot)		
Lane	Construction Lin	nits (Sta. to S	ta.)			Linear Feet	Amount
1	12+38.70	29+79.59				1,740.89	\$ 492,854
2	12+38.70	14+46.74	17+88.61	29+79.59		1,399.02	\$ 396,069
					TUMF Subtotal	3,139.91	\$ 888,923

TOTAL TUMF UNIT COST ASSUMPTION FOR ELIGIBLE IMPROVEMENTS	\$	888,923
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Pardee Homes EXHIBIT G-2

Attachment

TUMF Reimbursement Agreement – Rubidoux / SR-60 Interchange (PLN & ENG)

TRANSPORTATION UNIFORM MITIGATION FEE PROGRAM AGREEMENT TO REIMBURSE TUMF FUNDS RUBIDOUX / SR 60 INTERCHANGE PA&ED AND PS&E

THIS REIMBURSEMENT AGREEMENT ("Agreement") is entered into as of this
day of, 2024, by and between the Western Riverside Council of
Governments ("WRCOG"), a California joint powers authority and CITY OF JURUPA
VALLEY, a California municipal corporation, ("AGENCY"). WRCOG and AGENCY are
sometimes hereinafter referred to individually as "Party" and collectively as "Parties".

RECITALS

- A. WRCOG is the Administrator of the Transportation Uniform Mitigation Fee Program of Western Riverside County ("TUMF Program").
- B. WRCOG has identified and designated certain transportation improvement projects throughout Western Riverside County as projects of regional importance ("Qualifying Projects" or "Projects"). The Qualifying Projects are more specifically described in that certain WRCOG study titled "TUMF Nexus Study", as may be amended from time to time. Qualifying Projects can have Regional or Zonal significance as further described in the TUMF Nexus Study.
- C. The TUMF Program is funded by TUMF fees paid by new development in Western Riverside County (collectively, "TUMF Program Funds"). TUMF Program Funds are held in trust by WRCOG for the purpose of funding the Qualifying Projects.
- D. The AGENCY proposes to implement a Qualifying Project, and it is the purpose of this Agreement to identify the project and to set forth the terms and conditions by which WRCOG will release TUMF Program Funds.

AGREEMENT

NOW, THEREFORE, in consideration of the mutual covenants and subject to the conditions contained herein, the Parties hereby agree as follows:

- 1. <u>Description of the Qualifying Project.</u> This Agreement is intended to distribute TUMF Program Funds to the AGENCY for RUBIDOUX / SR 60 INTERCHANGE, (the "Project"), a Qualifying Project. The Work, including a timetable and a detailed scope of work, is more fully described in Exhibit "A" attached hereto and incorporated herein by reference and, pursuant to Section 20 below, is subject to modification if requested by the AGENCY and approved by WRCOG. The work shall be consistent with one or more of the defined WRCOG Call for Projects phases detailed herein as follows:
- 1) PA&ED Project Approvals & Environmental Document
- 2) PS&E Plans, Specifications and Estimates
- 3) R/W Right of Way Acquisition and Utility Relocation
- 4) CON Construction

- 2. WRCOG Funding Amount. WRCOG hereby agrees to distribute to AGENCY, on the terms and conditions set forth herein, a sum not to exceed FOUR MILLION FIVE HUNDRED THOUSAND DOLLAR (\$4,500,000.00), to be used for reimbursing the AGENCY for eligible Project expenses as described in Section 3 herein ("Funding Amount"). The Parties acknowledge and agree that the Funding Amount may be less than the actual cost of the Project. Nevertheless, the Parties acknowledge and agree that WRCOG shall not be obligated to contribute TUMF Program Funds in excess of the maximum TUMF share identified in the TUMF Nexus Study ("Maximum TUMF Share"), as may be amended from time to time.
- Project Costs Eligible for Advance/Reimbursement. The total Project costs 3. ("Total Project Cost") may include the following items, provided that such items are included in the scope of work attached hereto as Exhibit "A" ("Scope of Work"): (1) AGENCY and/or consultant costs associated with direct Project coordination and support; (2) funds expended in preparation of preliminary engineering studies; (3) funds expended for preparation of environmental review documentation for the Project; (4) all costs associated with right-of-way acquisition, including right-of-way engineering, appraisal, acquisition, legal costs for condemnation procedures if authorized by the AGENCY, and costs of reviewing appraisals and offers for property acquisition; (5) costs reasonably incurred if condemnation proceeds; (6) costs incurred in the preparation of plans, specifications, and estimates by AGENCY or consultants; (7) AGENCY costs associated with bidding, advertising and awarding of the Project contracts; (8) construction costs, including change orders to construction contract approved by the AGENCY; (9) construction management, field inspection and material testing costs; and (10) any AGENCY administrative cost to deliver the Project.
- 4. <u>Ineligible Project Costs.</u> The Total Project Cost shall not include the following items which shall be borne solely by the AGENCY without reimbursement: (1) any AGENCY administrative fees attributed to the reviewing and processing of the Project; and (2) expenses for items of work not included within the Scope of Work in <u>Exhibit "A"</u>.

5. Procedures for Distribution of TUMF Program Funds to AGENCY.

- (a) <u>Initial Payment by the AGENCY</u>. The AGENCY shall be responsible for initial payment of all the Project costs as they are incurred. Following payment of such Project costs, the AGENCY shall submit invoices to WRCOG requesting reimbursement of eligible Project costs. Each invoice shall be accompanied by detailed contractor invoices, or other demands for payment addressed to the AGENCY, and documents evidencing the AGENCY's payment of the invoices or demands for payment. Documents evidencing the AGENCY'S payment of the invoices shall be retained for four (4) years and shall be made available for review by WRCOG. The AGENCY shall submit invoices not more often than monthly and not less often than quarterly.
- (b) Review and Reimbursement by WRCOG. Upon receipt of an invoice from the AGENCY, WRCOG may request additional documentation or explanation of the Project costs for which reimbursement is sought. Undisputed amounts shall be paid by WRCOG to the AGENCY within thirty (30) days. In the event that WRCOG disputes the eligibility of the AGENCY for reimbursement of all or a portion of an invoiced amount, the Parties shall meet

and confer in an attempt to resolve the dispute. If the meet and confer process is unsuccessful in resolving the dispute, the AGENCY may appeal WRCOG's decision as to the eligibility of one or more invoices to WRCOG's Executive Director. The WRCOG Executive Director shall provide his/her decision in writing. If the AGENCY disagrees with the Executive Director's decision, the AGENCY may appeal the decision of the Executive Director to the full WRCOG Executive Committee, provided the AGENCY submits its request for appeal to WRCOG within ten (10) days of the Executive Director's written decision. The decision of the WRCOG Executive Committee shall be final. Additional details concerning the procedure for the AGENCY's submittal of invoices to WRCOG and WRCOG's consideration and payment of submitted invoices are set forth in Exhibit "B", attached hereto and incorporated herein by reference.

- (c) <u>Funding Amount/Adjustment.</u> If a post Project audit or review indicates that WRCOG has provided reimbursement to the AGENCY in an amount in excess of the Maximum TUMF Share of the Project, or has provided reimbursement of ineligible Project costs, the AGENCY shall reimburse WRCOG for the excess or ineligible payments within 30 days of notification by WRCOG.
- 6. <u>Increases in Project Funding.</u> The Funding Amount may, in WRCOG's sole discretion, be augmented with additional TUMF Program Funds if the TUMF Nexus Study is amended to increase the maximum eligible TUMF share for the Project. Any such increase in the Funding Amount must be approved in writing by WRCOG's Executive Director. In no case shall the amount of TUMF Program Funds allocated to the AGENCY exceed the then-current maximum eligible TUMF share for the Project. No such increased funding shall be expended to pay for any Project already completed. For purposes of this Agreement, the Project or any portion thereof shall be deemed complete upon its acceptance by WRCOG's Executive Director which shall be communicated to the AGENCY in writing.
- 7. <u>No Funding for Temporary Improvements.</u> Only segments or components of the construction that are intended to form part of or be integrated into the Project may be funded by TUMF Program Funds. No improvement which is temporary in nature, including but not limited to temporary roads, curbs, tapers or drainage facilities, shall be funded with TUMF Program Funds, except as needed for staged construction of the Project.
- 8. <u>AGENCY's Funding Obligation to Complete the Project.</u> In the event that the TUMF Program Funds allocated to the Project represent less than the total cost of the Project, the AGENCY shall provide such additional funds as may be required to complete the Project.
- 9. AGENCY's Obligation to Repay TUMF Program Funds to WRCOG; Exception For PA&ED Phase Work. Except as otherwise expressly excepted within this paragraph, in the event that: (i) the AGENCY, for any reason, determines not to proceed with or complete the Project; or (ii) the Project is not timely completed, subject to any extension of time granted by WRCOG pursuant to the terms of this Agreement; the AGENCY agrees that any TUMF Program Funds that were distributed to the AGENCY for the Project shall be repaid in full to WRCOG, and the Parties shall enter into good faith negotiations to establish a reasonable repayment schedule and repayment mechanism. If the Project involves work pursuant to a PA&ED phase,

AGENCY shall not be obligated to repay TUMF Program Funds to WRCOG relating solely to PA&ED phase work performed for the Project.

- 10. AGENCY's Local Match Contribution. The AGENCY shall provide at least (\$______)[INSERT DOLLAR AMOUNT IN NUMBER FORM] of funding toward the Work, as shown in Exhibit "A" and as called out in the AGENCY's Project Nomination Form submitted to WRCOG in response to its Call for Projects. [IF NO LOCAL MATCH FUNDS ARE REQUIRED DELETE THE PRECEDING TEXT AND REPLACE IT WITH THE FOLLOWING: "AGENCY local match funding is not required, as shown in Exhibit "A" and as called out in the AGENCY's Project Nomination Form submitted to WRCOG in response to its Call for Projects."]
- 11. <u>Term/Notice of Completion.</u> The term of this Agreement shall be from the date first herein above written until the earlier of the following: (i) the date WRCOG formally accepts the Project as complete, pursuant to Section 6; (ii) termination of this Agreement pursuant to Section 15; or (iii) the AGENCY has fully satisfied its obligations under this Agreement. All applicable indemnification provisions of this Agreement shall remain in effect following the termination of this Agreement.
- 12. Representatives of the Parties. WRCOG's Executive Director, or his or her designee, shall serve as WRCOG's representative and shall have the authority to act on behalf of WRCOG for all purposes under this Agreement. The AGENCY hereby designates [INSERT NAME AND TITLE], or his or her designee, as the AGENCY's representative to WRCOG. The AGENCY's representative shall have the authority to act on behalf of the AGENCY for all purposes under this Agreement and shall coordinate all activities of the Project under the AGENCY's responsibility. The AGENCY shall work closely and cooperate fully with WRCOG's representative and any other agencies which may have jurisdiction over or an interest in the Project.
- 13. Expenditure of Funds by AGENCY Prior to Execution of Agreement. Nothing in this Agreement shall be construed to prevent or preclude the AGENCY from expending funds on the Project prior to the execution of the Agreement, or from being reimbursed by WRCOG for such expenditures. However, the AGENCY understands and acknowledges that any expenditure of funds on the Project prior to the execution of the Agreement is made at the AGENCY's sole risk, and that some expenditures by the AGENCY may not be eligible for reimbursement under this Agreement.
- 14. <u>Review of Services.</u> The AGENCY shall allow WRCOG's Representative to inspect or review the progress of the Project at any reasonable time in order to determine whether the terms of this Agreement are being met.

15. Termination.

(a) <u>Notice.</u> Either WRCOG or AGENCY may, by written notice to the other party, terminate this Agreement, in whole or in part, in response to a material breach hereof by the other Party, by giving written notice to the other party of such termination and specifying the effective date thereof. The written notice shall provide a 30 day period to cure any alleged

breach. During the 30 day cure period, the Parties shall discuss, in good faith, the manner in which the breach can be cured.

- (b) <u>Effect of Termination.</u> In the event that the AGENCY terminates this Agreement, the AGENCY shall, within 180 days, repay to WRCOG any unexpended TUMF Program Funds provided to the AGENCY under this Agreement and shall complete any portion or segment of work for the Project for which TUMF Program Funds have been provided. In the event that WRCOG terminates this Agreement, WRCOG shall, within 90 days, distribute to the AGENCY TUMF Program Funds in an amount equal to the aggregate total of all unpaid invoices which have been received from the AGENCY regarding the Project at the time of the notice of termination; provided, however, that WRCOG shall be entitled to exercise its rights under Section 5(b), including but not limited to conducting a review of the invoices and requesting additional information. Upon such termination, the AGENCY shall, within 180 days, complete any portion or segment of work for the Project for which TUMF Program Funds have been provided. This Agreement shall terminate upon receipt by the non-terminating Party of the amounts due to it hereunder and upon completion of the segment or portion of Project work for which TUMF Program Funds have been provided.
- (c) <u>Cumulative Remedies.</u> The rights and remedies of the Parties provided in this Section are in addition to any other rights and remedies provided by law or under this Agreement.
- 16. Prevailing Wages. The AGENCY and any other person or entity hired to perform services on the Project are alerted to the requirements of California Labor Code Sections 1770 et seq., which would require the payment of prevailing wages were the services or any portion thereof determined to be a public work, as defined therein. The AGENCY shall ensure compliance with these prevailing wage requirements by any person or entity hired to perform the Project. The AGENCY shall defend, indemnify, and hold harmless WRCOG, its officers, employees, consultants, and agents from any claim or liability, including without limitation attorneys, fees, arising from its failure or alleged failure to comply with California Labor Code Sections 1770 et seq.
- 17. <u>Progress Reports.</u> WRCOG may request the AGENCY to provide WRCOG with progress reports concerning the status of the Project.

18. Indemnification.

(a) <u>AGENCY Responsibilities</u>. In addition to the indemnification required under Section 16, the AGENCY agrees to indemnify and hold harmless WRCOG, its officers, agents, consultants, and employees from any and all claims, demands, costs or liability arising from or connected with all activities governed by this Agreement including all design and construction activities, due to negligent acts, errors or omissions or willful misconduct of the AGENCY or its subcontractors. The AGENCY will reimburse WRCOG for any expenditures, including reasonable attorneys' fees, incurred by WRCOG, in defending against claims ultimately determined to be due to negligent acts, errors or omissions or willful misconduct of the AGENCY.

- (b) <u>WRCOG</u> Responsibilities. WRCOG agrees to indemnify and hold harmless the AGENCY, its officers, agents, consultants, and employees from any and all claims, demands, costs or liability arising from or connected with all activities governed by this Agreement including all design and construction activities, due to negligent acts, errors or omissions or willful misconduct of WRCOG or its sub-consultants. WRCOG will reimburse the AGENCY for any expenditures, including reasonable attorneys' fees, incurred by the AGENCY, in defending against claims ultimately determined to be due to negligent acts, errors or omissions or willful misconduct of WRCOG.
- (c) <u>Effect of Acceptance.</u> The AGENCY shall be responsible for the professional quality, technical accuracy and the coordination of any services provided to complete the Project. WRCOG's review, acceptance or funding of any services performed by the AGENCY or any other person or entity under this Agreement shall not be construed to operate as a waiver of any rights WRCOG may hold under this Agreement or of any cause of action arising out of this Agreement. Further, the AGENCY shall be and remain liable to WRCOG, in accordance with applicable law, for all damages to WRCOG caused by the AGENCY's negligent performance of this Agreement or supervision of any services provided to complete the Project.
- 19. <u>Insurance</u>. The AGENCY shall require, at a minimum, all persons or entities hired to perform the Project to obtain, and require their subcontractors to obtain, insurance of the types and in the amounts described below and satisfactory to the AGENCY and WRCOG. Such insurance shall be maintained throughout the term of this Agreement, or until completion of the Project, whichever occurs last.
- (a) <u>Commercial General Liability Insurance.</u> Occurrence version commercial general liability insurance or equivalent form with a combined single limit of not less than \$1,000,000.00 per occurrence. If such insurance contains a general aggregate limit, it shall apply separately to the Project or be no less than two times the occurrence limit. Such insurance shall:
- (i) Name WRCOG and AGENCY, and their respective officials, officers, employees, agents, and consultants as insured with respect to performance of the services on the Project and shall contain no special limitations on the scope of coverage or the protection afforded to these insured;
- (ii) Be primary with respect to any insurance or self-insurance programs covering WRCOG and AGENCY, and/or their respective officials, officers, employees, agents, and consultants; and
 - (iii) Contain standard separation of insured provisions.
- (b) <u>Business Automobile Liability Insurance.</u> Business automobile liability insurance or equivalent form with a combined single limit of not less than \$1,000,000.00 per occurrence. Such insurance shall include coverage for owned, hired and non-owned automobiles.

- (c) <u>Professional Liability Insurance.</u> Errors and omissions liability insurance with a limit of not less than \$1,000,000.00 Professional liability insurance shall only be required of design or engineering professionals.
- (d) <u>Workers' Compensation Insurance</u>. Workers' compensation insurance with statutory limits and employers' liability insurance with limits of not less than \$1,000,000.00 each accident.
- 20. <u>Project Amendments.</u> Changes to the characteristics of the Project, including the deadline for Project completion, and any responsibilities of the AGENCY or WRCOG may be requested in writing by the AGENCY and are subject to the approval of WRCOG's Representative, which approval will not be unreasonably withheld, provided that extensions of time for completion of the Project shall be approved in the sole discretion of WRCOG's Representative. Nothing in this Agreement shall be construed to require or allow completion of the Project without full compliance with the California Environmental Quality Act (Public Resources Code Section 21000 *et seq.*; "CEQA") and the National Environmental Policy Act of 1969 (42 USC 4231 *et seq.*), if applicable, but the necessity of compliance with CEQA and/or NEPA shall not justify, excuse, or permit a delay in completion of the Project.
- 21. <u>Conflict of Interest.</u> For the term of this Agreement, no member, officer or employee of the AGENCY or WRCOG, during the term of his or her service with the AGENCY or WRCOG, as the case may be, shall have any direct interest in this Agreement, or obtain any present or anticipated material benefit arising therefrom.
- 22. <u>Limited Scope of Duties.</u> WRCOG's and the AGENCY's duties and obligations under this Agreement are limited to those described herein. WRCOG has no obligation with respect to the safety of any Project performed at a job site. In addition, WRCOG shall not be liable for any action of AGENCY or its contractors relating to the condemnation of property undertaken by AGENCY or construction related to the Project.
- 23. <u>Books and Records.</u> Each party shall maintain complete, accurate, and clearly identifiable records with respect to costs incurred for the Project under this Agreement. They shall make available for examination by the other party, its authorized agents, officers or employees any and all ledgers and books of account, invoices, vouchers, canceled checks, and other records or documents evidencing or related to the expenditures and disbursements charged to the other party pursuant to this Agreement. Further, each party shall furnish to the other party, its agents or employees such other evidence or information as they may require with respect to any such expense or disbursement charged by them. All such information shall be retained by the Parties for at least four (4) years following termination of this Agreement, and they shall have access to such information during the four-year period for the purposes of examination or audit.
- 24. <u>Equal Opportunity Employment.</u> The Parties represent that they are equal opportunity employers and they shall not discriminate against any employee or applicant of reemployment because of race, religion, color, national origin, ancestry, sex or age. Such non-

discrimination shall include, but not be limited to, all activities related to initial employment, upgrading, demotion, transfer, recruitment or recruitment advertising, layoff or termination.

- 25. <u>Governing Law.</u> This Agreement shall be governed by and construed with the laws of the State of California.
- 26. <u>Attorneys' Fees.</u> If either party commences an action against the other party arising out of or in connection with this Agreement, the prevailing party in such litigation shall be entitled to have and recover from the losing party reasonable attorneys' fees and costs of suit.
- 27. <u>Time of Essence.</u> Time is of the essence for each and every provision of this Agreement.
- 28. <u>Headings.</u> Article and Section Headings, paragraph captions or marginal headings contained in this Agreement are for convenience only and shall have no effect in the construction or interpretation of any provision herein.
- 29. <u>Public Acknowledgement.</u> The AGENCY agrees that all public notices, news releases, information signs and other forms of communication shall indicate that the Project is being cooperatively funded by the AGENCY and WRCOG TUMF Program Funds.
- 30. <u>No Joint Venture.</u> This Agreement is for funding purposes only and nothing herein shall be construed to make WRCOG a party to the construction of the Project or to make it a partner or joint venture with the AGENCY for such purpose.
- 31. <u>Compliance With the Law.</u> The AGENCY shall comply with all applicable laws, rules and regulations governing the implementation of the Qualifying Project, including, where applicable, the rules and regulations pertaining to the participation of businesses owned or controlled by minorities and women promulgated by the Federal Highway Administration and the Federal Department of Transportation.
- 32. <u>Notices.</u> All notices hereunder and communications regarding interpretation of the terms of this Agreement or changes thereto shall be provided by the mailing thereof by registered or certified mail, return receipt requested, postage prepaid and addressed as follows:

If to AGENCY: City of Jurupa Valley

8930 Limonite Avenue Jurupa Valley, CA. 92509

Attention: Paul Toor, Director of Public Works/ City Engineer

Telephone: 951-332-6464 Facsimile: 951-332-6995

Email: ptoor@jurupavalley.org

If to WRCOG: Western Riverside Council of Governments

3390 University Avenue; Suite 200

Riverside, California 92501

Attention: Christopher Gray, Deputy Executive Director

Telephone: (951) 405-6710 Facsimile: (951) 223-9720

Any notice so given shall be considered served on the other party three (3) days after deposit in the U.S. mail, first class postage prepaid, return receipt requested, and addressed to the party at its applicable address. Actual notice shall be deemed adequate notice on the date actual notice occurred regardless of the method of service.

- 33. <u>Integration; Amendment.</u> This Agreement contains the entire agreement between the PARTIES. Any agreement or representation respecting matters addressed herein that are not expressly set forth in this Agreement is null and void. This Agreement may be amended only by mutual written agreement of the PARTIES.
- 34. <u>Severability.</u> If any term, provision, condition or covenant of this Agreement is held invalid or unenforceable, the remainder of this Agreement shall not be affected thereby.
- 35. <u>Conflicting Provisions.</u> In the event that provisions of any attached appendices or exhibits conflict in any way with the provisions set forth in this Agreement, the language, terms and conditions contained in this Agreement shall control the actions and obligations of the Parties and the interpretation of the Parties' understanding concerning the Agreement.
- 36. <u>Independent Contractors.</u> Any person or entities retained by the AGENCY or any contractor shall be retained on an independent contractor basis and shall not be employees of WRCOG. Any personnel performing services on the Project shall at all times be under the exclusive direction and control of the AGENCY or contractor, whichever is applicable. The AGENCY or contractor shall pay all wages, salaries and other amounts due such personnel in connection with their performance of services on the Project and as required by law. The AGENCY or consultant shall be responsible for all reports and obligations respecting such personnel, including, but not limited to: social security taxes, income tax withholding, unemployment insurance and workers' compensation insurance.
- 37. <u>Effective Date</u>. This Agreement shall not be effective until executed by both Parties. The failure of one party to execute this Agreement within forty-five (45) days of the other party executing this Agreement shall render any execution of this Agreement ineffective.
- 38. <u>No Third Party Beneficiaries</u>. There are no intended third party beneficiaries of any right or obligation assumed by the Parties.

[SIGNATURES ON FOLLOWING PAGE]

IN WITNESS WHEREOF, the Parties have caused this Agreement to be executed by their duly authorized representatives to be effective on the day and year first above-written.

OF GOVERNMENTS			CITY	OF JURUPA VAL	LLEX		
By:		Date:	By:		Date:		
	Dr. Kurt Wilson	_	, <u> </u>	Rod B. Buttler			
	Executive Director			City Manager			
Approv	ved to Form:						
By:		Date:	By:		Date:		
-	Steven C. DeBaun			Peter M. Thorson			
	General Counsel			City Attorney			

EXHIBIT "A"

SCOPE OF WORK

SCOPE OF WORK:

State Route 60 is a major East-West transportation route within Riverside County and an integral part of the freeway network system for the Southern California metropolitan area.

The City of Jurupa valley is proposing to reconstruct SR-60/Rubidoux Boulevard Interchange. This Project will reconfigure the existing interchange at Rubidoux Boulevard and State Route 60 and improve the traffic circulation as well as accommodating the future traffic congestion at build out in 2040.

The PA&ED and PS&E phases will include, but not limited to, Topographic survey, design of the new bridge replacing the old one, improving the on/off ramps, new signals, improving the ADA accessibility and circulation.

EXHIBIT "A-1"

ESTIMATE OF COST

Phase	TUMF	LOCAL	TOTAL
PA&ED	\$2,000,000.00	0.0	\$2,000,000.00
PS&E	\$2,500,000.00	0.0	\$2,500,000.00
RIGHT OF WAY			
CONSTRUCTION			
TOTAL	\$ 4,500,000.00	0.0	\$4,500,000.00

EXHIBIT "A-2"

PROJECT SCHEDULE

TIMETABLE:

Phase	Estimated Completion Date	Estimated Cost	Comments
1 11000	Compression 2 wee		U UU
PA&ED	04/01/2026	\$2,000,000.00	
PS&E	09/01/2028	\$2,500,000.00	
TOCE	07/01/2020	Ψ2,300,000.00	
RIGHT OF WAY			
CONSTRUCTION			
TOTAL		\$4,500,000.00	

Elements of Compensation

EXHIBIT "B"

PROCEDURES FOR SUBMITTAL, CONSIDERATION AND PAYMENT OF INVOICES

- 1. For professional services, WRCOG recommends that the AGENCY incorporate this Exhibit "B-1" into its contracts with any subcontractors to establish a standard method for preparation of invoices by contractors to the AGENCY and ultimately to WRCOG for reimbursement of AGENCY contractor costs.
- 2. Each month the AGENCY shall submit an invoice for eligible Project costs incurred during the preceding month. The original invoice shall be submitted to WRCOG's Executive Director with a copy to WRCOG's Project Coordinator. Each invoice shall be accompanied by a cover letter in a format substantially similar to that of Exhibit "B-2".
- 3. For jurisdictions with large construction projects (with the total construction cost exceeding \$10 million) under construction at the same time, may with the approval of WRCOG submit invoices to WRCOG for payment at the same time they are received by the jurisdiction. WRCOG must receive the invoice by the 5th day of the month in order to process the invoice within 30 days. WRCOG will retain 10% of the invoice until all costs have been verified as eligible and will release the balance at regular intervals not more than quarterly and not less than semi-annually. If there is a discrepancy or ineligible costs that exceed 10% of the previous invoice WRCOG will deduct that amount from the next payment.
- 4. Each invoice shall include documentation from each contractor used by the AGENCY for the Project, listing labor costs, subcontractor costs, and other expenses. Each invoice shall also include a monthly progress report and spreadsheets showing the hours or amounts expended by each contractor or subcontractor for the month and for the entire Project to date. Samples of acceptable task level documentation and progress reports are attached as Exhibits "B-4" and "B-5". All documentation from the Agency's contractors should be accompanied by a cover letter in a format substantially similar to that of Exhibit "B-3".
- 5. If the AGENCY is seeking reimbursement for direct expenses incurred by AGENCY staff for eligible Project costs, the AGENCY shall provide the same level of information for its labor and any expenses as required of its contractors pursuant to Exhibit "B" and its attachments.
- 6. Charges for each task and milestone listed in Exhibit "A" shall be listed separately in the invoice.
- 7. Each invoice shall include a certification signed by the AGENCY Representative or his or her designee which reads as follows:

Exhibit B Page 14 of 23 "I hereby certify that the hours and salary rates submitted for reimbursement in this invoice are the actual hours and rates worked and paid to the contractors or subcontractors listed.

Signed	
Title	
.	
Date	
Invoice No.	

- 8. WRCOG will pay the AGENCY within 30 days after receipt by WRCOG of an invoice. If WRCOG disputes any portion of an invoice, payment for that portion will be withheld, without interest, pending resolution of the dispute, but the uncontested balance will be paid.
- 9. The final payment under this Agreement will be made only after: (I) the AGENCY has obtained a Release and Certificate of Final Payment from each contractor or subcontractor used on the Project; (ii) the AGENCY has executed a Release and Certificate of Final Payment; and (iii) the AGENCY has provided copies of each such Release to WRCOG.

EXHIBIT "B-1" [Sample for Professional Services]

	[Sample for Frotessional Services]
Agency will pay t this service sha (\$INSERT NU	isfactory performance and completion of the Services under this Agreement, he Contractor compensation as set forth herein. The total compensation for all not exceed (INSERT_WRITTEN_DOLLAR_AMOUNT) UMERICAL DOLLAR AMOUNT) without written approval of Agency's applicable position] ("Total Compensation").
1. ELEMEN	TS OF COMPENSATION.
-	tion for the Services will be comprised of the following elements: 1.1 Direct as; 1.2 Fixed Fee; and 1.3 Additional Direct Costs.
1.1 DIF	RECT LABOR COSTS.
	ect Labor costs shall be paid in an amount equal to the product of the Direct ary Costs and the Multiplier which are defined as follows:
1.1.	1 DIRECT SALARY COSTS
	Direct Salary Costs are the base salaries and wages actually paid to the Contractor's personnel directly engaged in performance of the Services under the Agreement. (The range of hourly rates paid to the Contractor's personnel appears in Section 2 below.)
1.1.	2 <u>Multiplier</u>
	The Multiplier to be applied to the Direct Salary Costs to determine the Direct Labor Costs is, and is the sum of the following components:
	1.1.2.1 <u>Direct Salary Costs</u>
	1.1.2.2 Payroll Additives
	The Decimal Ratio of Payroll Additives to Direct Salary Costs. Payroll Additives include all employee benefits, allowances for vacation, sick leave, and holidays, and company portion of employee insurance and social and retirement benefits, all federal and state payroll taxes, premiums for insurance which are measured by payroll costs, and other contributions and benefits imposed by applicable laws and regulations.
	1.1.2.3 Overhead Costs

Exhibit B-1 Page 16 of 23 The Decimal Ratio of Allowable Overhead Costs to the Contractor Firm's Total Direct Salary Costs. Allowable Overhead Costs include general, administrative and overhead costs of maintaining and operating established offices, and consistent with established firm policies, and as defined in the Federal Acquisitions Regulations, Part 31.2.

Total Multiplier	
(sum of 1.1.2.1, 1.1.2.2, and 1.1.2.3)	

1.2 FIXED FEE.

1.2.1	The fixed	fee is \$	
-------	-----------	-----------	--

1.2.2 A pro-rata share of the Fixed Fee shall be applied to the total Direct Labor Costs expended for services each month, and shall be included on each monthly invoice.

1.3 ADDITIONAL DIRECT COSTS.

Additional Direct Costs directly identifiable to the performance of the services of this Agreement shall be reimbursed at the rates below, or at actual invoiced cost.

Rates for identified Additional Direct Costs are as follows:

<u>ITEM</u>	REIMBURSEMENT RATE
	[insert charges]
Per Diem	\$ /day
Car mileage	\$ /mile
Travel	\$ /trip
Computer Charges	\$ /hour
Photocopies	\$ /copy
Blueline	\$ /sheet
LD Telephone	\$ /call
Fax	\$ /sheet
Photographs	\$ /sheet

Travel by air and travel in excess of 100 miles from the Contractor's office nearest to Agency's office must have Agency's prior written approval to be reimbursed under this Agreement.

2. DIRECT SALARY RATES

Direct Salary Rates, which are the range of hourly rates to be used in determining Direct Salary Costs in Section 1.1.1 above, are given below and are subject to the following:

- 2.1 Direct Salary Rates shall be applicable to both straight time and overtime work, unless payment of a premium for overtime work is required by law, regulation or craft agreement, or is otherwise specified in this Agreement. In such event, the premium portion of Direct Salary Costs will not be subject to the Multiplier defined in Paragraph 1.1.2 above.
- 2.2 Direct Salary Rates shown herein are in effect for one year following the effective date of the Agreement. Thereafter, they may be adjusted annually to reflect the Contractor's adjustments to individual compensation. The Contractor shall notify Agency in writing prior to a change in the range of rates included herein, and prior to each subsequent change.

POSITION OR CLASSIFICATION RANGE OF HOURLY RATES

	[sample	7
- 1	l sample l	1

Principal	\$.00 - \$.00/hour
Project Manager	\$.00 - \$.00/hour
Sr. Engineer/Planner	\$.00 - \$.00/hour
Project Engineer/Planner	\$.00 - \$.00/hour
Assoc. Engineer/Planner	\$.00 - \$.00/hour
Technician	\$.00 - \$.00/hour
Drafter/CADD Operator	\$.00 - \$.00/hour
Word Processor	\$.00 - \$.00/hour

2.3 The above rates are for the Contractor only. All rates for subcontractors to the Contractor will be in accordance with the Contractor's cost proposal.

3. INVOICING.

- 3.1 Each month the Contractor shall submit an invoice for Services performed during the preceding month. The original invoice shall be submitted to Agency's Executive Director with two (2) copies to Agency's Project Coordinator.
- 3.2 Charges shall be billed in accordance with the terms and rates included herein, unless otherwise agreed in writing by Agency's Representative.
- 3.3 Base Work and Extra Work shall be charged separately, and the charges for each task and Milestone listed in the Scope of Services, shall be listed separately. The charges for each individual assigned by the Contractor under this Agreement shall be listed separately on an attachment to the invoice.

- 3.4 A charge of \$500 or more for any one item of Additional Direct Costs shall be accompanied by substantiating documentation satisfactory to Agency such as invoices, telephone logs, etc.
- 3.5 Each copy of each invoice shall be accompanied by a Monthly Progress Report and spreadsheets showing hours expended by task for each month and total project to date.
- 3.6 If applicable, each invoice shall indicate payments to DBE subcontractors or supplies by dollar amount and as a percentage of the total invoice.
- 3.7 Each invoice shall include a certification signed by the Contractor's Representative or an officer of the firm which reads as follows:

I hereby certif	fy that tl	he hou	ırs aı	nd sal	ary rates	cha	rged	in	this
invoice are the	e actual	hours	and	rates	worked	and	paid	to	the
employees liste	ed.								
Signed						_			

Signed	
Title	
Date	
Invoice No.	

4. PAYMENT

- 4.1 Agency shall pay the Contractor within four to six weeks after receipt by Agency of an original invoice. Should Agency contest any portion of an invoice, that portion shall be held for resolution, without interest, but the uncontested balance shall be paid.
- 4.2 The final payment for Services under this Agreement will be made only after the Contractor has executed a Release and Certificate of Final Payment.

EXHIBIT B-2 Sample Cover Letter to WRCOG

Western Riverside Council of Governments	
3390 University Avenue; Suite 450	
Riverside, California 92501	
Attention: Deputy Executive Director	
ATTN: Accounts Payable	
Re: Project Title - Invoice #	
Enclosed for your review and payment approval is the AC technical services that was rendered by our contractors in Local Streets and Roads Funding per Agreement No The required support documentation received from each c invoice.	connection with the 2002 Measure "A" effective (Month/Day/Year).
Invoice period covered is from <u>Month/Date/Year</u> to _	Month/Date/Year .
Total Authorized Agreement Amount:	\$0,000,000.00
Total Invoiced to Date:	\$0,000,000.00
Total Previously Invoiced:	\$0,000,000.00
Balance Remaining:	\$0,000,000.00
Amount due this Invoice:	\$0,000,000.00 =======
I certify that the hours and salary rates charged in this invworked and paid to the contractors listed.	oice are the actual hours and rates
By:	
Name	
Title	
cc:	
CC.	

EXHIBIT B-3 Sample Letter from Contractor to AGENCY

Month/Date/Year	
Western Riverside Council of Governments 3390 University Avenue; Suite 200 Riverside, California 92501 Attention: Deputy Executive Director Attn: Accounts Payable	Invoice #
For [type of services] rendered by [contractor na This is per agreement No. XX-XX-XXX effective	
Invoice period covered is from Month/Date/Year	to Month/Date/Year.
Total Base Contract Amount: Authorized Extra Work (if Applicable)	\$000,000.00 \$000,000.00
TOTAL AUTHORIZED CONTRACT AMOUNT:	\$000,000.00
Total Invoice to Date: Total Previously Billed: Balance Remaining:	\$000,000.00 \$000,000.00 \$000,000.00
Amount Due this Invoice:	\$000,000.00 ======
I certify that the hours and salary rates charged in worked and paid to the employees listed,	this invoice are the actual hours and rates
By: Name Title	

EXHIBIT B-4 SAMPLE TASK SUMMARY SCHEDULE (OPTIONAL)

EXHIBIT B-5 Sample Progress Report

REPORTING PERIOD: Month/Date/Year to Month/Date/Year

PROGRESS REPORT: #1

A. Activities and Work Completed during Current Work Periods

TASK 01 – 100% PS&E SUBMITTAL

- 1. Responded to Segment 1 comments from Department of Transportation
- 2. Completed and submitted Segment 1 final PS&E
- B. Current/Potential Problems Encountered & Corrective Action

Problems Corrective Action

None None

C. Work Planned Next Period

TASK 01 – 100% PS&E SUBMITTAL

- 1. Completing and to submit Traffic Signal and Electrical Design plans
- 2. Responding to review comments

Attachment

TUMF Reimbursement
Agreement – Amendment #2

– Third Street Grade
Separation (ROW)

AMENDMENT NO. 2 TO TRANSPORTATION UNIFORM MITIGATION FEE PROGRAM AGREEMENT THIRD STREET GRADE SEPARATION RIGHT-OF-WAY PHASE

This Amendment No.1 to Transportation Uniform Mitigation Fee Program Agreement ("Amendment No.1") is entered into this 30th day of July, 2024, by and between the WESTERN RIVERSIDE COUNCIL OF GOVERNMENTS ("WRCOG") and THE CITY OF RIVERSIDE ("City"). WRCOG and the City are sometimes referred to individually as "Party" and collectively as "Parties."

RECITALS

- A. WRCOG and CITY have entered into an agreement titled "Transportation Uniform Mitigation Fee Program Agreement" that is dated **July 26th**, 2018 ("Agreement"). The Agreement provides the terms and conditions, scope of work, schedule and funding amount for the planning and engineering phases of the **Third Street Grade Separation Project** (hereinafter the "Project").
- B. The Parties desire to amend the Agreement by adding a right of way phase to the Agreement, so that the Agreement provides the terms and conditions, scope of work, schedule and funding amounts for the planning, engineering, and right of way phases of the Third Street Grade Separation (hereinafter, the "Project").
- C. The Parties also desire to amend the Agreement by increasing the funding amount pursuant to Sections 6 and 33 of the Agreement.

AGREEMENT

NOW, THEREFORE, in consideration of the mutual covenants and subject to the

conditions contained herein, the Parties hereby agree as follows:

- 1. Section I of the Agreement is hereby replaced in its entirety by the following:
- "1. Description of the Qualifying Project. This Agreement is intended to distribute TUMF Program Funds to the City for Third Street Grade Separation, (the "Project"), a Qualifying Project. The Work, including a timetable and a detailed scope of work, is more fully described in Exhibit "A" attached hereto and incorporated herein by reference and, pursuant to Section 20 below, is subject to modification if requested by the City and approved by WRCOG. The work shall be consistent with one or more of the defined WRCOG Call for Projects phases detailed herein as follows
- 1) PA&ED- Project Approvals& Environmental Document
- 2) PS&E- Plans, Specifications and Estimates
- 3) ROW-Right of Way"
- 2. The Funding Amount contained in Section 2 of the Agreement is hereby increased by Seven Million Two Hundred and Fifty Thousand Dollars (\$7,250,000) from Four Million Two Hundred and Fifty Thousand Dollars (\$4,250,000) to an amount not to exceed Eleven Million Two Hundred and Fifty Thousand Dollars (\$11,250,000).
- 3. The foregoing increase in the Funding Amount is within the Maximum TUMF Share.
- 4. Section 10 of the Agreement is hereby deleted in its entirety and replaced with the following provision:

"CITY's Local Match Contribution. The CITY shall provide at least Eighteen Million Seven Hundred and Fifty Thousand

dollars (\$18,750,000) of funding toward the Work, as shown in Exhibit "A" and as called out in the CITY's Project Nomination Form submitted to WRCOG in response to its Call for Projects."

- 5. Exhibits "A", "A-1", and "A-2" of the Agreement are hereby replaced in their entirety by Exhibits "A", "A-1", and "A-2" of this Amendment No. 1, which are attached hereto and incorporated by reference.
- 6. The above-stated Recitals are hereby fully incorporated into this Amendment No.1.
- 7. Except to the extent specifically modified or amended hereunder, all of the terms, covenants and conditions of the Agreement shall remain in full force and effect between the Parties hereto.

IN WITNESS WHEREOF, the Parties have caused this Amendment No. 1 to be executed by their duly authorized representatives to be effective on the day and year first written above.

WESTERN RIVERSIDE COUNCIL OF GOVERNMENTS	CITY OF RIVERSIDE
By: Dr. Kurt Wilson, Executive Director	By: Mike Futrell, City Manager
Approved to Form:	Approved to Form:
By: Steven C. DeBaun General Counsel	By:Phaedra Norton City Attorney
	Attest:
	By: Donesia Gause City Clerk

EXHIBIT "A"

SCOPE OF SERVICES

SCOPE OF WORK: The project will design and construct an underpass at the existing Third Street at-grade crossing of the Burlington Northern Santa Fe (BNSF) railroad in the City of Riverside. Third Street will be lowered from about Vine Street to Park Avenue and a bridge will be constructed to convey rail traffic. The project also requires the realignment of Commerce Street, construction of slopes, retaining walls, and storm water pump station as well as relocation of wet and dry utilities. Project design consists of the following phases:

- 1) Project Approval and Environmental Documents (PA&ED) phase Complete preliminary engineering and obtain environmental clearance for the project;
- 2) Plans, Specifications, and Estimate (PS&E) phase Prepare construction documents and advertise the project for bids
- 3) Right of Way phase Determine Project's Right of Way impacts, prepare Legal descriptions and Plats, perform appraisals, acquire Temporary Construction Easements, and acquire part-take and full-take properties including Eminent Domain in order to advertise the project for bids and construct the proposed improvements.

EXHIBIT "A-1"

ESTIMATE OF COST

Phase	TUMF	NON-TUMF	TOTAL
PA&ED	\$1,500,000	\$0	\$1,500,000
PS&E	\$2,500,000	\$0	\$2,500,000
RIGHT OF WAY	\$7,250,000	\$18,750,000	\$26,000,000
CONSTRUCTION	0	\$58,000,000	\$58,000,000
TOTAL	\$11,250,000	\$76,750,000	\$88,000,000

This Amendment is for the Right of Way Phase Only.

EXHIBIT "A-2"

PROJECT SCHEDULE

TIMETABLE:

Phase	Estimated Completion Date	Estimated Cost	Comments
PA&ED	12/2020	\$1,500,000	
PS&E	12/2022	\$2,500,000	
RIGHT OF WAY	07/2025	\$26,000,000	
CONSTRUCTION	05/2026	\$58,000,000	
TOTAL		\$88,000,000	

This Amendment is for the Right of Way Phase Only.



Western Riverside Council of Governments Joint Meeting of the WRCOG Executive Committee and Supporting Foundation

Staff Report

Subject: Approval of the 2024 TUMF Southwest 5-Year Transportation Improvement

Programs

Contact: Cameron Brown, Program Manager, cbrown@wrcog.us, (951) 405-6712

Date: September 9, 2024

Recommended Action(s):

1. Approve the 2024 TUMF Southwest Zone 5-Year Transportation Improvement Program.

Summary:

Staff and elected officials representing each jurisdiction within the TUMF Southwest Zone have met to discuss and approve funding allocations for individual projects in the TUMF Program. The result of these meetings is a 5-year, Zone-specific, Transportation Improvement Program (TIP), which must be approved by the WRCOG Executive Committee.

Purpose / WRCOG 2022-2027 Strategic Plan Goal:

The purpose of this item to request approval of the 2024 TUMF Southwest Zone 5-year TIP. This effort aligns with WRCOG's 2022-2027 Strategic Plan Goal #5 (Develop projects and programs that improve infrastructure and sustainable development in our subregion).

Discussion:

Background

WRCOG's TUMF Program is a regional fee program designed to provide transportation and transit infrastructure that mitigates the impact of new growth in western Riverside County. The WRCOG subregion is divided into five Zones with each jurisdiction a part of one Zone. The County of Riverside is a member of all TUMF Zones due to the unincorporated areas within each zone area. Representatives from the five TUMF Zones meet annually to allocate fee revenue to eligible infrastructure projects through a 5-year TIP. The TUMF Southwest Zone is represented by the Cities of Canyon Lake, Lake Elsinore, Murrieta, Temecula, Wildomar, and County of Riverside (District 2 & 3).

Present Situation

TUMF funds are programmed through a collaborative exercise involving each of WRCOG's member agencies which participate in the TUMF Program. The TUMF Southwest Zone Executive Committee has met and recommended approval of the TIP. The TIP has been vetted by WRCOG and member agency staff, and is being recommended for approval by the WRCOG Executive Committee.

The WRCOG Executive Committee is being asked to approve this TIP so that local agencies may enter into reimbursement agreements with WRCOG on the project funding allocated.

Prior Action(s):

<u>August 15, 2024</u>: The TUMF Southwest Zone Executive Committee recommended that the WRCOG Executive Committee approve the 2024 TUMF Southwest Zone 5-Year Transportation Improvement Program.

Financial Summary:

Transportation Department activities are included in the Agency's adopted Fiscal Year 2024/2025 Budget under the Transportation Department. TUMF revenue and expenditures are associated with Fund 220 for its programmatic costs and Fund 110 for its administrative costs.

Attachment(s):

Attachment 1 - 2024 TUMF Southwest Zone 5-Year TIP



Fiscal Year 2024/2025 Southwest Zone 5-Year Transportation Improvement Program

Fiscal Year				FY24-25		FY25-26	FY26-27		FY27-28	FY28-29	Ph	Current rogrammed ase Balance	Pa Exp	tal Phase ayments/ enditures		imbursemen Agreement Values	Last Invoiced	Max Share (2021)
Revised Forecast Re Carryover Revenues				, ,	\$	5,665,000 \$ (15,203,175) \$		\$	6,009,999 \$ (26,995,897) \$., ,		66,332,608	\$ (30,339,210)				
Available Revenues	·		_	\$34,386,762	\$	(9,538,175) \$	(14,703,225)	\$	(20,985,898) \$	(16,295,600))							
Programmed	d Expenditures	Phase*																
County of Rivers	side																	
00 0141 0011 1070	Clinton Keith Rd, I-215 to SR-79	ROW	\$	(0)	\$	- \$	-	\$	- \$		\$	(0)	\$	(7,000,000)	\$	7,000,000	10/0/0010	
06-SW-RCY-1073	(3.191 m. 4 to 6 lanes)	CON		\$1,250,170	\$	- \$		\$	- \$			\$1,250,170	\$	(8,749,830)	\$	10,000,000	12/9/2019	NA
		ROW	\$	275,000	\$	1,000,000 \$		\$	- \$		\$	1,275,000	\$	-	\$	275,000		Deducted from
20-SW-RCY-1195	Rancho California/Calle Contento - Roundabout	CON	\$	-	\$	- \$	3,825,000	\$	- \$		\$	3,825,000	\$	-	\$	2,225,000	Not invoiced	Rancho California (Btrfld Stg to Glen
																		Oaks)
21-SW-RCY-1203	Grand Avenue (Ortega Hwy to Corydon Rd)	PLN	\$	773,724	\$	- \$		\$	- \$		\$	773,724	\$	-	\$	774,000	Not invoiced	\$ 31,290,000
23-SW-RCY-1204	Temescal Canyon Road (I-15 to Lake)	PLN	\$	1,000,000	\$	- \$	U	\$	- \$		\$	1,000,000	\$	-	N	o Agreement	Not invoiced	
24-SW-RCY-1312	Butterfield Stage Rd (MHS to Auld)	PLN	\$	500,000	\$	- \$	D (\$	- \$		\$	500,000			N	o Agreement	Not invoiced	
City of Lake Elsi	inore					VV	ν											
		PLN	\$	735,756	\$	- \$		\$	- \$		\$	735,756	\$	(1,898,495)	\$	2,634,251		
0E CW EL 4000	00 744 454 4	ENG	\$	3,000,000	\$	1,500,000 \$	-	\$	- \$	-	\$	4,500,000	\$	-	\$	3,000,000		
05-SW-LEL-1060	SR-74/I-15 Interchange	ROW	\$	643,535	\$	- \$		\$	- \$	_	\$	643,535	\$	(1,356,465)	s	2,000,000	2/21/2023	\$ 19,099,000
		CON	\$	-	•	- \$			- \$			-		-	ľ	,,		
		PLN	\$	-	\$	- 9	-	\$	- \$	-	\$	-		(264,517)	\$	264,535		
	Temponal Convey Bond Bridge (2 to 4	ENG	\$	_	\$	- \$; -	\$	- \$		\$	_	\$	(287,685)		313,811		
07-SW-LEL-1115	Temescal Canyon Road Bridge (2 to 4 lanes)	ROW	\$	248.000		- 8			- \$		\$	248.000	\$	_	\$	248,000	3/3/2020	\$ 2,448,000
		CON	\$	-	\$	- \$	1,467,672	\$	- \$	_	\$	1,467,672	\$	_	\$	1,467,672		
21-SW-LEL-1304	Nichols Rd/I-15 Interchange	PLN	\$	2,321,173	_	1,250,000 \$			- \$		\$	3,571,173		(428,827)	_	4,000,000	2/29/2024	\$ 39,934,000
21 011 222 1001	The following the first of the following the following the first of the first	PLN	\$	-		- \$		_	- \$		\$	-		(120,021)	\$	- 1,000,000	2/20/2021	Ψ σσ,σσ 1,σσσ
22-SW-LEL-1204	Franklin/I-15 Interchange	PSE	\$	1,000,000		2,000,000			- \$		\$	6,000,000	•		\$	6,000,000	NA	\$ 15,763,000
22-3W-LLL-1204	Trankinn-15 interchange	ROW	\$		\$	2,000,000 \$							•	-	\$		INA	φ 13,703,000
City of Murrieta		ROW	à		Ф	2,000,000 \$	2,000,000	Ф	1,500,000 \$	-	\$	5,500,000	\$	-	Þ	5,500,000		
City of Mulfileta		PLN	\$	1,000,000	\$	- \$	· -	\$	- \$	-	\$	1,000,000	\$	_	\$	1,000,000		
40 OW MUD 4400	Kallan Danidii 045 latanahan na	ENG	\$	1,250,000	\$	- \$	-	\$	- \$	-	\$	1,250,000	\$	-	\$	1,250,000	Not	# 40 000 000
16-SW-MUR-1188	Keller Road/I-215 Interchange	ROW	\$	3,000,000	\$	- \$	-	\$	- \$	-	\$	-	\$	-	\$	-	Invoiced	\$ 19,286,000
		CON	\$	-	\$	2,000,000 \$	2,000,000	\$	- \$	-	\$	2,000,000	\$	_	\$	-		
22 CW MUD 4424	Murrieta Hot Springs (Margarita to	ROW	\$	600,000	\$	- \$	-	\$	- \$		\$	600,000	\$	-	\$	600,000	Not	ф 2004.ccc
22-SW-MUR-1191	Winchester)	CON	\$	2,100,000	\$	- \$			- \$		\$	2,100,000	\$	-	\$	2,100,000	Invoiced	\$ 3,021,000
24-SW-MUR-1313	Whitewood Rd (Clinton Keith Rd to	PLN	\$	1,000,000	\$	- \$			- \$		\$	-	\$	-	N/	o Agreement	Not	
24-3W-WOIC-1313	Hunter Rd)	ENG	\$	_	\$	500,000 g		\$	- \$	_	\$	-	\$	_	140	o , igreement	Invoiced	
			φ			3		φ	- ə		φ		φ					l



Fiscal Year 2024/2025 Southwest Zone 5-Year Transportation Improvement Program

Fiscal Year				FY24-25		Y25-26	FY26-27	FY27-28	FY28-29	P	Current Programmed Phase Balance	Ex	otal Phase Payments/ spenditures	,	eimbursemen Agreement Values	Last Invoiced	М	lax Share (2021)
Revised Forecast R Carryover Revenue						5,665,000 \$ 15,203,175) \$	5,834,950 (20,538,175)	6,009,999 \$ (<mark>26,995,897) \$</mark>			66,332,608	\$	(30,339,210)					
Available Revenues	s		\$	34,386,762	\$	(9,538,175) \$	(14,703,225)	\$ (20,985,898) \$	(16,295,600)								
City of Temecul	la																	
18-SW-TEM-1194	Western Bypass/Diaz Road (Rancho California to Cherry) 0-4 lanes, 2.14 miles	PLN/ENG	\$	253,776	\$	- \$		\$ - \$	-	\$	253,776	\$	(812,147)	\$	1,065,923	11/10/2022	\$	6,731,00
		CON	\$	5,700,000	\$	- \$	-	\$ - \$	-	\$	5,700,000	\$	-	\$	4,500,000			
20-SW-TEM-1197	French Valley Phase III (Jefferson Ave to Ynez Rd)	ROW	\$	1,698,595	\$	- \$		\$ - \$	-	\$	1,698,595	\$	(1,301,405)	\$	3,000,000	5/21/2023	\$	12,760,00
City of Wildoma	ar																	
		PLN	\$	745,028	\$	- \$	<i>-</i>	\$ - \$	-	\$	745,028	\$	(519,112)	\$	1,264,140			
12-SW-WIL-1153	Clinton Keith Rd, I-15 to Copper Craft Dr (1.936 mi. 2 to 4 lanes)	ENG	\$	- :	\$	- \$	-	\$ - \$	-	\$	-	\$	-	\$	-	5/4/2022	\$	4,858,00
12-3VV-VVIL-1153		ROW	\$	500,000	\$	- \$	-	\$ - \$	-	\$	500,000	\$	-	\$	-	5/4/2022	Ф	4,000,00
		CON	\$	3,050,000	\$	- \$	UJ.	\$ - s	-	\$	3,050,000	\$	-	\$	3,048,860			
		PLN	\$		\$	- \$		\$ - \$	-	\$	-	\$	(134,873)	\$	82,247			
12-SW-WIL-1151	Bundy Canyon Road (Cherry Street to	ENG	\$	1,527,834	\$	- \$	DC	\$ - \$		\$	1,527,834	\$	(961,919)	\$	2,489,753	1/19/2024	\$	14,956,00
	Sunset Rd) (4.524 mi. 2 to 4 lanes)	ROW	\$	513,597	\$	- \$	K	\$ _ s		\$	513,597	\$	(3,796,404)	\$	4,310,000			
		CON	\$	5,448,844	\$	- \$	-	\$ - \$	-	\$	5,448,844	\$	(2,036,156)	\$	7,485,000			
		PLN	\$	204,382	\$	- \$	-	\$ - \$	-	\$	204,382	\$	(302,618)	\$	507,000			
12-SW-WIL-1058	Palomar St, Mission Trail to Jefferson	ENG	\$	218,494	\$	- \$	-	\$ - \$	-	\$	218,494	\$	(281,506)	\$	391,517	12/5/2023	\$	10,218,00
	(3.568 mi. 2 to 4 lanes)	ROW	\$	332,029	\$	- \$	-	\$ - \$	-	\$	332,029	\$	(207,253)	\$	422,000		*	,,.
		CON	\$	4,900,000	\$	- \$	-	\$ - \$	-	\$	4,900,000	\$	-	\$	1,941,000			
20-SW-WIL-1198	Bundy/I-15 Interchange	PLN	\$	1,500,000	\$	- \$	-	\$ - \$	-	\$	1,500,000	\$	-	\$	1,000,000	Not Invoiced	\$	7,714,00
20-SW-WIL-1199	Wildomar Trail/I-15 Interchange	PLN	\$	1,500,000	\$	- \$	-	\$ - \$	-	\$	1,500,000	\$	-	\$	1,000,000	Not Invoiced	\$	7,714,00
		PLN	\$	250,000	\$	- \$	-	\$ - \$	-	\$	250,000	\$	-					
21-SW-WIL-1205	Bundy Canyon (Mission Trail to Orange (I-	ENG	\$	200,000	\$	- \$	-	\$ - \$	-	\$	200,000	\$	-	, .	lo Agroomant	Not	\$	8,178,00
21-044-441L-1205	15)	ROW	\$	350,000	\$	- \$	-	\$ - \$	-	\$	350,000	\$	-	IN	lo Agreement	invoiced	Ф	0,170,00
		CON			\$	750,000 \$	-	\$ - \$	-	\$	750,000	\$						
Total Capital Pro	grammed Expenditures		\$	49,589,936	\$ 1	11,000,000 \$	12,292,672	\$ 1,500,000 \$	-									
Total Programme	ed Balance Carryover*		\$ (15,203,175)	\$ (2	20,538,175) \$	(26,995,897)	\$ 22,485,898) \$	(16,295,600))								



Western Riverside Council of Governments Joint Meeting of the WRCOG Executive Committee and Supporting Foundation

Staff Report

Subject: I-REN Monthly Activities Update

Contact: Casey Dailey, Director of Energy & Environmental Programs, cdailey@wrcog.us,

(951) 405-6720

Date: September 9, 2024

Recommended Action(s):

Receive and file.

Summary:

The Inland Regional Energy Network (I-REN) is a coalition of three councils of government: the Western Riverside Council of Governments (WRCOG), the Coachella Valley Association of Governments (CVAG), and the San Bernardino Council of Governments (SBCOG), encompassing Riverside and San Bernardino Counties, and all their respective jurisdictions within the region. These organizations have joined together to establish locally administered, designed, and delivered energy efficiency (EE) programs. This report will be provided each meeting to inform the Committee of I-REN's progress.

Purpose / WRCOG 2022-2027 Strategic Plan Goal:

The purpose of this item is to provide regular updates on I-REN activities. This effort aligns with WRCOG's 2022-2027 Strategic Plan Goal #6 (Develop and implement programs that support resilience for our region).

Discussion:

Background

In February 2021, I-REN applied for REN program administrator status to offer a portfolio of programs serving the Public, Codes & Standards, and Workforce Education & Training Sectors, with governance from WRCOG as the lead agency. In November 2021, I-REN was approved in Decision (D.) 21-11-013, Approval of Inland Regional Energy Network Energy Efficiency Business Plan, which funded I-REN to offer EE programs through program year 2027.

Present Situation

<u>Public Sector (PS) Programs</u>: I-REN will focus on two PS programs - the Technical Assistance and Strategic Energy Planning (TA) Program, and the Normalized Metered Energy Consumption (NMEC) Incentive Program. The TA Program helps agencies secure funding and financing to implement projects and supports through construction and project close-out. The NMEC Program (publicly known as Cash for Kilowatts) provides technical support such as eligibility screening and measurement & verification as well as incentives for meter-based energy savings. Combined with technical assistance and reinforcement of operations and management best practices, public agencies will experience maximized savings for their communities. Below are some of the notable activities for the Public Sector.

- I-REN was selected to present its unique incentive program, Cash for Kilowatts, during the poster board session at the week-long American Council of Energy Efficient Economy (ACEEE)
 Conference, which hosts nearly 1,000 participants from around the world every two years to discuss energy efficiency related topics, issues, and best practices. (See attachment).
- I-REN will host an I-REN-wide Public Sector Workshop on September 26, 2024, to discuss incentive offerings and provide agencies with Technical Assistance to identify potential projects and move projects forward with agencies ready to do so. Participants are to include Elected officials, City Managers, facilities managers, energy or sustainability staff, and any staff who are involved in energy efficiency retrofit projects. The workshop will have virtual options as well as 4 locations throughout the I-REN territory. Lunch will be provided to those who attend in person. The RSVP link can be found at <u>Public Sector Working Group RSVP</u>.

Codes & Standards (C&S) Programs: The shared goal of I-REN's C&S Programs is to work closely with local building departments and the building industry to support, train, and enable long-term streamlining of energy code compliance. I-REN's programs will nurture the confidence, skills, and existing C&S knowledge of local building department staff, provide technical assistance to jurisdictions pursuing reach codes and local ordinances, and support building and construction industry actors to foster increased compliance. Below are some updates for the C&S Programs.

• I-REN will host a Codes & Standards Virtual Forum on September 18, 2024, which will have presentations from experts on Historic Building Retrofits, sharing their lessons learned and offer best practices.

<u>Workforce Education & Training (WET) Programs</u>: The goal of I-REN's WET cross-cutting sector activities is to ensure there is a trained workforce to support and realize EE savings goals across all market sectors. I-REN is committed to identifying the most effective and accessible ways to increase the number of skilled EE workers, especially those within underserved, hard-to-reach (HTR), tribal, and disadvantaged communities (DAC). Below are some updates for our WET programs.

Workforce Education & Outreach RFP was released on August 6, 2024. The RFP will allow I-REN
to contract with several on-call consultants and community based organizations to help with the
education and outreach of I-REN workforce programs. The RFP was released through PlanetBids
with a closing date of August 30, 2024.

<u>I-REN Events / Activities Around the Region</u>: In the coming reports, I-REN will include member agency updates and spotlights on successes from throughout the I-REN territory.

Table 1: Upcoming I-REN events/activities/sponsored events, etc.

Codes & Standards Fall Forum (virtual)	September 18, 2024, 9:00 a.m 11:00 a.m.	Online link here
I-REN Public Sector Workshop (virtual and in-person options)	September 26, 2024, 11:00 a.m 1:00 p.m.	RSVP HERE

Other Activities: <u>Sign up for I-REN updates</u> and learn more about all the programs, services and resources I-REN has to offer by visiting <u>www.iren.gov</u> or emailing <u>info@iren.gov</u>.

Prior Action(s):

None.

Financial Summary:

All costs associated with I-REN program activities are included in WRCOG's adopted Fiscal Year 2024/2025 Agency Budget under I-REN Program (Fund 180) in the Energy & Environmental Department.

Attachment(s):

Attachment 1 - I-REN ACEEE Poster 2024

Scaling Energy Efficiency in the Inland Empire:

An Innovative Incentive Strategy Designed by and for the Inland Empire

The Inland Regional Energy Network (I-REN) connects local governments, workers, and community partners with energy efficiency resources, education, and funding through no-cost programs. I-REN supports agencies served by Southern California Edison and/or SoCalGas within San Bernardino and Riverside Counties.

I-REN Sectors

Public

Workforce education & training

Codes & standards

I-REN's Public Sector Goals

Help public agencies:

- Build capacity and knowledge
- Save energy and money
- Address climate-related risks such as extreme heat
- Improve their aging infrastructure

I-REN's Public Sector Services

Customized project management, technical assistance, strategic energy planning, facility benchmarking, funding assistance, and cash incentives for holistic energy efficiency projects



I-REN Timeline: From Launch to Design

2019

I-REN coalition formed

I-REN is a consortium of three councils of government.

I-REN Business Plan approved by California **Public Utilities Commission** (CPUC)

Includes no-cost programs in three sectors: public, workforce education & training, and codes & standards.

2023

Region-wide orientations and surveys

I-REN conducted 18 orientations throughout the region. Feedback was collected from member agencies on program design and approved by the I-REN Executive Committee.



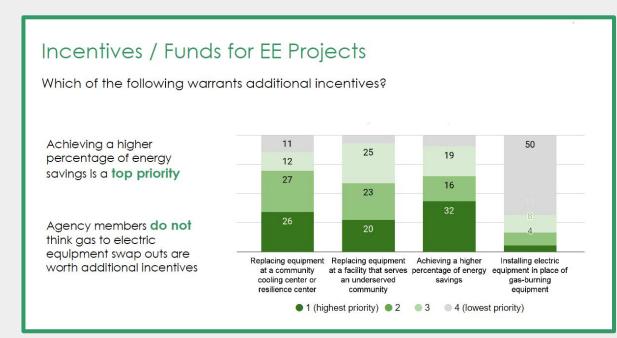


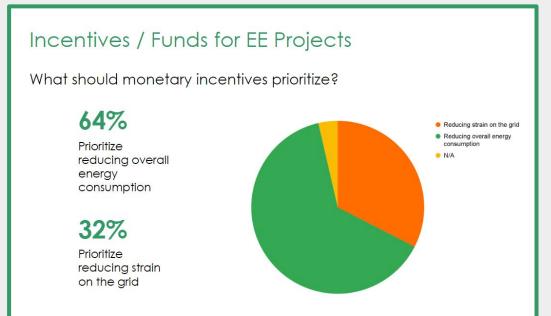
How I-REN public agencies designed their own incentive program to address community needs

GOAL: Develop an incentive structure for the I-REN's normalized metered energy consumption (NMEC) program (publicly known as Cash for Kilowatts) that reflects the priorities and values of its member agencies.

Feedback

After I-REN program orientations, member agencies completed surveys with several questions related to funding and financing prioritization. Based on 81 survey responses, member agencies opted for monetary incentives to prioritize reducing overall energy consumption, replacing equipment at community cooling centers or resiliency centers, and achieving a higher percentage of energy savings.





Incentive Structure

Projects are incentivized based on claimable energy savings achieved. Tiered kWh incentive "kickers" are also available to encourage deep energy savings (over 15% total savings at the meter) and holistic projects. kWh incentives are doubled for projects that occur at a critical, cooling, or resilience center.

Energy Savings	Base Incentive Rate
kWh	\$0.50
kW	\$200.00
therms	\$1.00

Total Savings Percentage*	Incentive Rate	Critical/Cooling /Resilience/ Center Rate
Up to 15%	\$0.50/kWh	\$1.00/kWh
16-30%	\$0.60/kWh	\$1.20/kWh
31-50%	\$0.70/kWh	\$1.40/kWh
Over 50%	\$1.00/kWh	\$2.00/kWh

^{*}Total project savings will have to pass eligibility criteria per the NMEC Rulebook

2024+

Project identification and implementation

Member agencies are working with I-REN to identify and implement holistic projects that will result in deep emissions reductions at critical community facilities.















Western Riverside Council of Governments Joint Meeting of the WRCOG Executive Committee and Supporting Foundation

Staff Report

Subject: Deferral of Judicial Foreclosures on Delinquent PACE Properties

Contact: Casey Dailey, Director of Energy & Environmental Programs, cdailey@wrcog.us,

(951) 405-6720

Date: September 9, 2024

Recommended Action(s):

1. Adopt Resolution Number 27-24; A Resolution of the Executive Committee of the Western Riverside Council of Governments to defer foreclosure proceedings.

Summary:

WRCOG seeks approval to defer foreclosures on delinquent residential and commercial properties by assigning collection rights to a third party, First National Assets. On August 5, 2024, the Executive Committee approved an agreement allowing First National Assets to purchase these debts. As of August 12, 2024, 1.69% of PACE assessments for the 2023/2024 tax year, amounting to over \$2.5 million, are overdue.

Purpose / WRCOG 2022-2027 Strategic Plan Goal:

The purpose of this item is to seek deferral on judicial foreclosure proceedings on delinquent PACE property owners. This aligns with Goal #3 of the Strategic Plan (Ensure fiscal solvency and stability of the Western Riverside Council of Governments).

Discussion:

Background

On September 14, 2015, the Executive Committee adopted a policy to review, on an annual basis, the quantity and amount of delinquencies and to determine the assignment of collection rights, or to begin the judicial foreclosure process. A delinquency occurs when a property owner fails to make timely payments on their property taxes, including the HERO Assessment installments, for the past tax year. This also includes any unpaid delinquent HERO Assessment installments along with any accrued penalties and interest.

Present Situation

<u>PACE Delinquencies</u>: Under WRCOG's Master Bond Indentures, it is stated that any property owner that is delinquent in his or her tax bill on October 1 of each year will be subject to WRCOG initiating a judicial foreclosure process. However, WRCOG may choose to defer judicial foreclosure if it has received or advanced funds to cover the delinquent amounts. Previous actions by the Executive Committee include:

- 2014/2015 Tax Year deferred 44 of 9,125 parcels totaling \$97,687.67
- 2015/2016 Tax Year deferred 155 of 21,811 parcels totaling \$401,909.87
- 2016/2017 Tax Year deferred 237 of 38,367 parcels totaling \$697,431.96
- 2017/2018 Tax Year deferred 386 of 51,395 parcels totaling \$1,126,270.20
- 2018/2019 Tax Year deferred 630 of 52,844 parcels totaling \$1,790,780.64
- 2019/2020 Tax Year deferred 822 of 43,120 parcels totaling \$2,095,416.37
- 2020/2021 Tax Year deferred 510 of 39,387 parcels totaling \$1,460,205.69
- 2021/2022 Tax Year deferred 385 of 29,374 parcels totaling \$1,151,487.92, plus 10 parcels from Tax Year 2020/2021 totaling \$2,424,360.06
- 2022/2023 Tax Year deferred 394 of 22,401 parcels totaling \$1,218,874.96
- 2023/2024 Tax Year deferred 381 of 20,045 residential and commercial parcels totaling \$2,470,172.75.

<u>2023/2024 Tax Year Delinquencies</u>: David Taussig & Associates (DTA), WRCOG's PACE Program Assessment Administrator, has issued a preliminary report detailing the delinquencies for the tax year (see Exhibit B in Attachment 1 of this Staff Report).

<u>For the 2023/2024 Tax Year</u>: WRCOG enrolled 19,962 residential PACE assessments on parcels totaling \$54,745,771.34. As of August 12, 2024, the total delinquency rate is 1.69%, or \$925,924.71. For comparison, at the same time last year, the delinquency rate for WRCOG residential PACE parcels was 1.63%. Additionally, WRCOG enrolled 83 commercial parcels under the Nuveen, Twain, and SAMAS Programs, totaling \$9,080,766.82.

<u>Deferral of Judicial Foreclosure for Tax Year 2023/2024</u>: WRCOG will assign its collection rights to a third party for 361 delinquent residential parcels totaling \$862,821.28 and 20 delinquent commercial parcels totaling \$1,607,351.47. The exception to this assignment is any delinquent assessments located in counties that operate under a Teeter Plan. In these cases, the county disburses 100% of the enrolled amount to WRCOG, regardless of whether the property owner has paid their taxes. Essentially, the county purchases the delinquency and is entitled to collect and retain any penalties and interest when the delinquent tax bill is eventually paid.

<u>Deferral of Judicial Foreclosures</u>: WRCOG is committed under certain provisions of its Master Indentures, related to its PACE Programs, to initiate and diligently pursue foreclosure actions in Superior Court by December 1 for any assessment liens that remain unpaid as of October 1 of that year. This process can be deferred if funds are advanced by WRCOG or a third party to cover the payments owed to bondholders.

In previous years, First National Assets (FNA) has purchased these delinquencies' receivables from WRCOG, enabling timely payments to bondholders each fiscal year. This arrangement allows WRCOG to request that the Executive Committee defer foreclosure since the funds have already been advanced to cover these delinquencies. The purchase of delinquency receivables serves two key purposes: first,

it ensures that no residential property owner faces judicial foreclosure due to non-payment of a PACE assessment; second, it guarantees that bondholders are paid in full and on time, thereby preventing any default on PACE bonds issued by WRCOG.

On August 5, 2024, the Executive Committee approved a Purchase and Sale Agreement for the Sale of Assessment Installment Receivables with FNA. Because there is a third-party entity which is purchasing the current delinquencies, staff is seeking adoption of Resolution Number 27-24, to defer judicial foreclosures on residential and commercial delinquencies (Attachment 1).

Prior Action(s):

<u>August 5, 2024</u>: The Executive Committee 1) adopted Resolution Number 24-24; A Resolution of the Executive Committee of the Western Riverside Council of Governments approving a Purchase and Sale Agreement for the sale of Assessment Installment Receivables, 2) authorized the Executive Director, or designee, to enter into a Purchase and Sale Agreement, substantially as to form, with First National Assets for the purchase of delinquent assessment receivables.

Financial Summary:

While the deferral of judicial foreclosures on delinquent PACE properties itself doesn't have a fiscal impact, WRCOG will receive a 7.5% fee as revenue as a result of the agreement with First National Assets, which will be booked under HERO Administration revenue. The exact amount is not known at this time; however an estimated amount of revenue of approximately \$100k was included in the FY 2023/2024 budget under the General Fund (Fund 110) under the HERO Program.

Attachment(s):

Attachment 1 - Resolution Number 27-24 deferring judicial foreclosure

RESOLUTION NUMBER 27-24

A RESOLUTION OF THE EXECUTIVE COMMITTEE OF THE WESTERN RIVERSIDE COUNCIL OF GOVERNMENTS DEFERRING FORECLOSURE PROCEEDINGS

WHEREAS, the Western Riverside Council of Governments ("WRCOG") has levied assessments under Chapter 29 of Part 3 of Division 7 of the California Streets and Highways Code (commencing with Section 5898.12 et seq.) ("Chapter 29"). Such assessments ("Assessments") are payable in installments under the Improvement Bond Act of 1915, Division 10 of Part I (commencing with Section 8500) of the California Streets and Highways Code ("1915 Act") on residential and commercial properties participating in the Energy Efficiency and Water Conservation Program for Western Riverside County and the California HERO Program established by WRCOG pursuant to Chapter 29 and the 1915 Act (collectively, the "WRCOG Program"), which are collected on the secured property tax roll of the County of Riverside; and

WHEREAS, WRCOG has issued bonds which are secured by the levy of Assessments pursuant to the Master Indentures (the "Master Indentures") and the voluntary assessment contract listed on the attached Exhibit "A" and incorporated herein by reference; and

WHEREAS, certain installments of such assessments are delinquent (the "Delinquent Assessments") and are attached hereto as Exhibit "B" and incorporated herein by reference; and

WHEREAS, each Master Indenture requires that WRCOG proceed with judicial foreclosure or defer judicial foreclosure within 60 days from the delinquency determination; and

WHEREAS, WRCOG and FNA California, LLC, entered into that certain Purchase and Sale Agreement (the "Agreement") pursuant to which FNA California, LLC, purchased certain rights WRCOG is entitled to receive arising from the collection of certain delinquent assessments for the tax years specified in Agreement and paid to WRCOG, amongst other things, an amount equal to the Delinquent Assessments; and

WHEREAS, WRCOG has applied amounts received from the Agreement to pay debt service on the Bonds in a timely manner; and

WHEREAS, as the debt service on the Bonds has been paid in a timely manner, WRCOG has determined that it is in the best interests of WRCOG at this time to defer the judicial foreclosures of the Delinquent Assessments.

NOW, THEREFORE, BE IT RESOLVED by the Executive Committee of the Western Riverside Council of Governments as follows:

Section 1. The above recitals are true and correct.

	If or closure of the Western Riverside Council of Governments all foreclosure of the Delinquent Assessments attached hereto as y reference.
PASSED AND ADOPTED at a meeting Governments held on September 9, 2	ng of the Executive Committee of the Western Riverside Council of 2024.
Rita Rogers, Chair Executive Committee	Dr. Kurt Wilson, Secretary Executive Committee
Approved as to form:	
Best Best & Krieger, LLP Bond Counsel	
AYES: NAYS:	ABSENT: ABSTAIN:

EXHIBIT "A"

LIST OF MASTER INDENTURES

- (a) Master Indenture by and between WRCOG and Wilmington Trust, National Association, as Successor Trustee to Deutsche Bank National Trust Company, as Trustee, dated as of September 1, 2013, relating to the Western Riverside Council of Governments Limited Obligation Improvement Bonds (Energy Efficiency and Water Conservation Program for Western Riverside County) (First Residential Property Tranche Phase Three), as amended by the First Amendment to the Master Indenture dated as of February 1, 2014.
- (b) Master Indenture by and between WRCOG and Wilmington Trust, National Association, as Successor Trustee to Deutsche Bank National Trust Company, as Trustee, dated as of February 1, 2014, relating to the Western Riverside Council of Governments Limited Obligation Improvement Bonds (WRCOG Program and California HERO Program) (First Residential Property Tranche – Phase One)
- (c) Master Indenture by and between WRCOG and Wilmington Trust, National Association, as Successor Trustee to Deutsche Bank National Trust Company, as Trustee, dated as of August 1, 2014, relating to the Western Riverside Council of Governments Limited Obligation Improvement Bonds (WRCOG Program and California HERO Program) (Second Residential Property Tranche Phase One)
- (d) Amended and Restated Master Indenture by and between WRCOG and Wilmington Trust, National Association, as Successor Trustee to Deutsche Bank National Trust Company, as Trustee, dated as of March 1, 2015, relating to the Western Riverside Council of Governments Limited Obligation Improvement Bonds (WRCOG Program and California HERO Program) (Second Residential Property Tranche Phase One)
- (e) Master Indenture by and between WRCOG and Wilmington Trust, National Association, as Successor Trustee to Deutsche Bank National Trust Company, as Trustee, dated as of March 1, 2015 relating to the Western Riverside Council of Governments Limited Obligation Improvement Bonds (WRCOG Program and California HERO Program) (Third Residential Property Tranche Phase One)
- (f) Master Indenture by and between WRCOG and Wilmington Trust, National Association, as Successor Trustee to Deutsche Bank National Trust Company, as Trustee, dated as of July 1, 2015, relating to the Western Riverside Council of Governments Limited Obligation Improvement Bonds (WRCOG Program and California HERO Program) (Fourth Residential Property Tranche – Phase One);
- (g) Master Indenture by and between WRCOG and Wilmington Trust, National Association, as Successor Trustee to Deutsche Bank National Trust Company, as Trustee, dated as of October 1, 2015, relating to the Western Riverside Council of Governments Limited Obligation Improvement Bonds (WRCOG Program and California HERO Program) (Fifth Residential Property Tranche Phase One)
- (h) Master Indenture by and between WRCOG and Wilmington Trust, National Association, as Successor Trustee to Deutsche Bank National Trust Company, as Trustee, dated as of January 1, 2016, relating to the Western Riverside Council of Governments Limited Obligation Improvement Bonds (WRCOG Program and California HERO Program) (Sixth Residential Property Tranche Phase One)
- (i) Master Indenture by and between WRCOG and Wilmington Trust, National Association, as Successor Trustee to Deutsche Bank National Trust Company, as Trustee, dated as

- of May 1, 2016, relating to the Western Riverside Council of Governments Limited Obligation Improvement Bonds (WRCOG Program and California HERO Program) (Seventh Residential Property Tranche Phase One)
- (j) Master Indenture by and between WRCOG and Wilmington Trust, National Association, as Successor Trustee to Deutsche Bank National Trust Company, as Trustee, dated as of June 1, 2016, relating to the Western Riverside Council of Governments Limited Obligation Improvement Bonds (WRCOG Program and California HERO Program) (Lifestyle Residential Property Tranche – Phase One)
- (k) Master Indenture by and between WRCOG and Wilmington Trust, National Association, as Successor Trustee to Deutsche Bank National Trust Company, as Trustee, dated as of September 1, 2016, relating to the Western Riverside Council of Governments Limited Subordinate Obligation Improvement Bonds (WRCOG HERO Program) (First Residential Property Tranche – Phase One)
- (I) Master Indenture by and between WRCOG and Wilmington Trust, National Association, as Successor Trustee to Deutsche Bank National Trust Company, as Trustee, dated as of September 1, 2016, relating to the Western Riverside Council of Governments Limited Obligation Improvement Bonds (WRCOG Program and California HERO Program) (Eighth Residential Property Tranche Phase One)
- (m) Master Indenture by and between WRCOG and Wilmington Trust, National Association, as Successor Trustee to Deutsche Bank National Trust Company, as Trustee, dated as of January 1, 2017, relating to the Western Riverside Council of Governments Limited Obligation Improvement Bonds (WRCOG Program and California HERO Program) (Ninth Residential Property Tranche – Phase One)
- (n) Amended and Restated Master Indenture by and between WRCOG and Wilmington Trust, National Association, as Successor Trustee to Deutsche Bank National Trust Company, as Trustee, dated as of March 1, 2017, relating to the Western Riverside Council of Governments Limited Subordinate Obligation Improvement Bonds (WRCOG HERO Program) (First Residential Property Tranche – Phase One)
- (o) Master Indenture by and between WRCOG and Wilmington Trust, National Association, as Successor Trustee to Deutsche Bank National Trust Company, as Trustee, dated as of May 1, 2017, relating to the Western Riverside Council of Governments Limited Obligation Improvement Bonds (WRCOG HERO Program) (Tenth Residential Property Tranche Phase One)
- (p) Master Indenture by and between WRCOG and Wilmington Trust, National Association, as Successor Trustee to Deutsche Bank National Trust Company, as Trustee, dated as of August 1, 2017, relating to the Western Riverside Council of Governments Limited Obligation Improvement Bonds (WRCOG HERO Program) (Eleventh Residential Property Tranche – Phase One)
- (q) Master Indenture by and between WRCOG and Wilmington Trust, National Association, as Successor Trustee to Deutsche Bank National Trust Company, as Trustee, dated as of January 1, 2018, relating to the Western Riverside Council of Governments Limited Obligation Improvement Bonds (WRCOG HERO Program) (Twelfth Residential Property Tranche – Phase One)
- (r) Master Indenture by and between WRCOG and The Bank of New York Mellon Trust Company, N.A., as Trustee, dated as of July 1, 2018, relating to the Western Riverside Council of Governments Limited Obligation Improvement Bonds (WRCOG HERO Program) (Thirteenth Residential Property Tranche – Phase One)

- (s) Master Indenture by and between WRCOG and The Bank of New York Mellon Trust Company, N.A., as Trustee, dated as of September 1, 2019, relating to the Western Riverside Council of Governments Limited Obligation Improvement Bonds (WRCOG HERO Program) (Fourteenth Residential Property Tranche Phase One)
- (t) Indenture of Trust by and between WRCOG and The Bank of New York Mellon Trust Company, N.A., as Trustee, dated as of February 1, 2020, relating to the Western Riverside Council of Governments Limited Obligation Refunding Bonds, Series 2020 (Commercial Program)
- (u) Indenture of Trust No. 2 by and between WRCOG and Wilmington Trust, National Association, dated as of December 18, 2019, relating to the Western Riverside Council of Governments Limited Obligation Improvement Bonds (Twain Commercial PACE Program) (First Commercial Property Tranche) Series No. 20191218-WR-TC-25
- (v) Indenture of Trust No. 3 by and between WRCOG and Wilmington Trust, National Association, dated as of April 22, 2021, relating to the Western Riverside Council of Governments Limited Obligation Improvement Bonds (Twain Commercial PACE Program) (First Commercial Property Tranche) Series No. 20210422-WR-TC-CUR-30
- (w) Master Indenture by and between WRCOG and The Bank of New York Mellon Trust Company, N.A., as Trustee, dated as of February 1, 2021 relating to the Greenworks Commercial PACE Program Limited Obligation Improvement Bonds, as supplemented by Supplemental Indenture No. 3 dated as of February 17, 2021
- (x) Agreement to Pay Assessment and Finance Improvements, dated as of September 30, 2021 by and between WRCOG and 2108 Pico Owner, LLC relating to 2108 ½ and 2114 Pico Blvd., Santa Monica, CA 90401

EXHIBIT "B" DELINQUENT ASSESSMENTS

Owner Name	Situs Address	Tax Parcel Number	Participant ID	Bond Series	Levy Amount F	Paid Amount		uent Installment	Delinquent	Penalty [3]	Interest [4]	Total	Total Assessed County	Notes
David Kimura	18780 Madison Ave Castro Valley CA 94546	084C-0796-038-00	CA001101979	170922-CA-RA-HPR-R-10C	\$2,418.80	\$0.00	1st X	2nd X	\$2,418.80	\$241.88	\$72.56	\$2,733.24	Value [1] \$994,500.00 Alameda	
Nancy Barnum-Moreland	2500 Lancaster Ct Hayward CA 94542	425 -0360-017-00	CA001101979 CA001102209	180112-CA-RA-HPR-R-20C	\$2,418.80	\$0.00	X	X	\$2,416.60	\$204.82	\$61.45	\$2,733.24	\$105,922.00 Alameda	
Crystal Graves	3211 SACRAMENTO ST BERKELEY CA 94702	052 -1536-014-00	CA001102660	190308-CA-RA-HPR-R-25EF	\$832.92	\$0.00	X	X	\$832.92	\$83.29	\$24.99	\$941.20	\$263,304.00 Alameda	
Andrea Tang, Phuco Tang	9866 LAWLOR ST OAKLAND CA 94605	048 -5606-028-00	CA001102833	191018-CA-RA-HPR-R-25F	\$2,092.86	\$1,046.43		X	\$1,046.43	\$104.64	\$31.39	\$1,182.46	\$446,028.00 Alameda	
Earnest Lockhart	10431 BYRON AVE OAKLAND CA 94603	047 -5573-013-00	CA001102854	200214-CA-RA-HPR-R-25F	\$2,363.86	\$1,181.93		X	\$1,181.93	\$118.19	\$35.46	\$1,335.58	\$173,756.00 Alameda	
Robert Jackson, Tamara Jackson Joe Pearce	16091 Overlook Ter Pioneer CA 95666 3647 Ashley Ave Oroville CA 95966	023-140-011-000 033-452-014-000	CA005109474 CA007109987	180216-CA-RA-HPR-R-10CD 170428-CA-RA3-HPR-R-15C	\$2,519.70 \$1,377.16	\$0.00 \$0.00	X	X	\$2,519.70 \$1,377.16	\$251.97 \$137.72	\$75.59 \$41.31	\$2,847.26 \$1,556.19	\$213,601.00 Amador \$150,714.00 Butte	
Damon Munn	1191 Mount Ida Rd Oroville CA 95966	079-330-011-000	CA007109987 CA007110366	190719-CA-RA-HPR-R-20F	\$1,377.16	\$557.08	^	X	\$557.08	\$55.71	\$41.31 \$16.71	\$629.50	\$198,292.00 Butte	
Barbara Giddens	1720 Lone Pine Rd Shingle Springs 95682	091-150-013-000	RED95798N-160315	160729-CA-RA-R-20C	\$2,087.46	\$0.00	Х	X	\$2,087.46	\$208.75	\$62.62	\$2,358.83	\$259,149.00 El Dorado	
Karen Selby	935 Cumorah Ct Placerville CA 95667	089-050-071-000	CA017104945	170609-CA-RA2-HPRCA2-R-10C	\$2,983.10	\$1,491.55		X	\$1,491.55	\$149.16	\$44.75	\$1,685.46	\$376,537.00 El Dorado	
Parmala Bangar, Satnam Bangar	7444 N 4th St Fresno 93720	303-261-04	RFC92270N-141108	150406-BE-R-02-10	\$2,927.22	\$1,463.61		X	\$1,463.61	\$146.36	\$43.91	\$1,653.88	\$294,852.00 Fresno	
Sandy Johnson	1123 S 8th St Fresno 93702 1827 S Sierra Vista Ave Fresno 93702	470-202-22	RFC95147N-140519	150406-BE-R-04-20 150406-BE-R-04-20	\$1,169.50	\$0.00 \$0.00	X	X	\$1,169.50	\$116.95 \$163.04	\$35.09 \$48.91	\$1,321.54 \$1,842.33	\$39,105.00 Fresno \$52,254.00 Fresno	
James Ortega Karen Connelly	5127 N Teilman Ave Fresno 93711	471-244-07 417-180-24	RFC92213N-141112 RFC87062N-150701	151022-BE-WR-R-03-10C	\$1,630.38 \$2,318.26	\$0.00	X	X	\$1,630.38 \$2,318.26	\$231.83	\$69.55	\$2,619.64	\$267,641.00 Fresno	
Laurie Melton	1489 W Olson Ave Reedley 93654	365-203-04	RFC90221N-150325	151022-BE-WR-R-07-20C	\$2,190.08	\$0.00	X	X	\$2,190.08	\$219.01	\$65.70	\$2,474.79	\$170,317.00 Fresno	
Alysha Graham, Scott Moline, Twyla Moline	2614 Dewitt AVE Clovis 93612	499-131-11	RFC84203P-150915	160114-BE-WR-R-04-20C	\$2,617.72	\$0.00	X	Х	\$2,617.72	\$261.77	\$78.53	\$2,958.02	\$303,547.00 Fresno	
Darrell Coufal	404 E Fedora AVE Fresno 93704	435-143-07	RFC82376N-151112	160512-BE-CA-RA2-R-07-15C	\$2,083.40	\$0.00	Х	X	\$2,083.40	\$208.34	\$62.50	\$2,354.24	\$56,384.00 Fresno	
Gregorio Perez, Maria Perez Mary Mehia	495 Pettit St Parlier 93648 276 W Locust Ave Pinedale 93650	355-222-20 303-121-23	RFC80105N-160211 RFC83822N-150926	160512-BE-CA-RA-R-03-15C 160512-BE-CA-RA-R-04-20C	\$2,124.64 \$1,254.78	\$1,062.32 \$0.00	Y	X	\$1,062.32 \$1,254.78	\$106.23 \$125.48	\$31.87 \$37.64	\$1,200.42 \$1,417.90	\$91,914.00 Fresno \$67,671.00 Fresno	
Freddie Brewer	2824 Sussex Way Fresno 93726	436-122-18S	RFC82361N-151112	160512-BE-CA-RA-R-04-20C	\$1,861.40	\$0.00	X	X	\$1,861.40	\$186.14	\$57.04 \$55.84	\$2,103.38	\$119,984.00 Fresno	
Adam Sanchez	625 J St Sanger 93657	320-113-07	CA019109847	160617-CA-RA-R-15C	\$1,967.66	\$0.00	Х	Х	\$1,967.66	\$196.77	\$59.03	\$2,223.46	\$69,069.00 Fresno	
Harry Silva	1934 W Pontiac Way Fresno CA 93705	433-151-34	CA019110073	160708-CA-RA-R-15C	\$1,757.56	\$0.00	Х	Х	\$1,757.56	\$175.76	\$52.73	\$1,986.05	\$133,343.00 Fresno	
Horace Hill, Wanda Hill	5786 E Holland Ave Fresno 93727	499-205-09	CA019110962	160909-CA-RA-R-15C	\$2,408.90	\$0.00	Χ	X	\$2,408.90	\$240.89	\$72.27	\$2,722.06	\$43,870.00 Fresno	
Beverly Henry Ernest Crutchfield	2835 Gettysburg Ave Fresno 93726 3027 Saginaw Way Fresno 93726	427-194-11 436-215-08	CA019111106 CA019111062	160930-CA-RA-R-15C 161007-CA-RA2-R-15C	\$1,819.86 \$2,392.44	\$0.00 \$0.00	X	X	\$1,819.86 \$2,392.44	\$181.99 \$239.24	\$54.60 \$71.77	\$2,056.45 \$2,703.45	\$68,565.00 Fresno \$109,106.00 Fresno	
Jacinto Dela Cruz, Mary Dela Cruz	7150 N Everest Ave Fresno 93722	436-215-08 504-123-05S	CA019111062 CA019109688	161007-CA-RA2-R-15C 161007-CA-RA2-R-20C	\$2,392.44 \$1,901.68	\$0.00 \$0.00	X	x	\$2,392.44 \$1,901.68	\$239.24 \$190.17	\$71.77 \$57.05	\$2,703.45 \$2,148.90	\$93,914.00 Fresno	
Celedonio Arceo, Maria Arceo	375 W Palm Ave Reedley 93654	363-152-10	CA019111368	161014-CA-RA-R-10C	\$1,736.98	\$868.49	••	X	\$868.49	\$86.85	\$26.05	\$981.39	\$176,626.00 Fresno	
Lela Carter	6563 N Meridian AVE Fresno 93710	410-082-07	CA019111566	161202-CA-RA-R-15C	\$4,114.64	\$2,057.32		X	\$2,057.32	\$205.73	\$61.72	\$2,324.77	\$187,039.00 Fresno	
Rogelio Garcia	3544 Summit Way Riverdale 93656	053-450-10	CA019112149	161216-CA-RA-R-15C	\$1,944.48	\$972.24		X	\$972.24	\$97.22	\$29.17	\$1,098.63	\$170,807.00 Fresno	
Barbara McDowell Jessie Martin, Rosie Martin	328 E Grove AVE Fresno 93706 2526 Poppy Ave Fresno 93706	479-151-02 479-171-08	CA019112423	161216-CA-RA-R-15C 161216-CA-RA-R-20C	\$1,721.36 \$1,604.16	\$0.00 \$0.00	X	X	\$1,721.36 \$1,604.16	\$172.14 \$160.42	\$51.64 \$48.12	\$1,945.14 \$1,812.70	\$170,000.00 Fresno \$60,944.00 Fresno	
Lorene Vaillancour	467 W Keats Ave Fresno 93704	417-320-06	CA019110658 CA019111531	161223-CA-RA-R-25C	\$1,957.91	\$0.00	X	X	\$1,957.91	\$160.42 \$195.79	\$48.12 \$58.74	\$2,212.44	\$134,702.00 Fresno	
Carol Cederquist, Kenneth Cederquist	2307 Menlo Ave Clovis 93611	550-073-23	CA019112896	170113-CA-RA2-R-15C	\$2,797.08	\$0.00	Х	Х	\$2,797.08	\$279.71	\$83.91	\$3,160.70	\$244,425.00 Fresno	
Lynn Alves	2461 17th Ave Kingsburg 93631	394-112-05	CA019112802	170113-CA-RA2-R-25C	\$2,205.36	\$0.00	Χ	Х	\$2,205.36	\$220.54	\$66.16	\$2,492.06	\$88,562.00 Fresno	
Augustine Martinez, Maria Martinez	417 W Palm Ave Reedley 93654	363-152-08	CA019113200	170210-CA-RA-R-10C	\$994.12	\$497.06	.,	X	\$497.06	\$49.71	\$14.91	\$561.68	\$188,159.00 Fresno	
Ger Yang, Seethong Yang Lorene Vaillancour	358 E Kaviland Ave Fresno 93706 467 W Keats Ave Fresno 93704	479-191-17 417-320-06	CA019113252 CA019112649	170217-CA-RA-R-15C 170217-CA-RA-R-25C	\$3,105.68 \$1,668.17	\$0.00 \$0.00	X	X	\$3,105.68 \$1,668.17	\$310.57 \$166.82	\$93.17 \$50.05	\$3,509.42 \$1,885.04	\$191,017.00 Fresno \$134,702.00 Fresno	
Ernest Becker	44 E Fountain Way Fresno 93704	435-291-05	CA019112049 CA019113545	170310-CA-RA3-R-25C	\$1,823.00	\$0.00	X	X	\$1,823.00	\$182.30	\$54.69	\$2,059.99	\$55,212.00 Fresno	
George Huerta	20946 S Del Rio St Laton CA 93242	057-182-09	CA019113656	170421-CA-RA-HPR-R-15C	\$820.68	\$0.00	Х	Х	\$820.68	\$82.07	\$24.62	\$927.37	\$55,967.00 Fresno	
James Rodriguez	1214 K St Sanger CA 93657	325-051-21	CA019114109	170512-CA-RA3-HPR-R-10C	\$2,922.56	\$0.00	Х	Х	\$2,922.56	\$292.26	\$87.68	\$3,302.50	\$64,756.00 Fresno	
Luis Torres, Maria Torres	709 E Washington Ave Reedley CA 93654	370-203-01	CA019112989	170519-CA-RA3-HPR-R-15C	\$2,128.12	\$0.00	X	X	\$2,128.12	\$212.81	\$63.84	\$2,404.77	\$68,567.00 Fresno	
Jose Zepeda, Ana Zepeda Theotis Crump	3241 E Lowe Ave Fresno CA 93702 2016 S Sierra Vista AVE Fresno CA 93702	470-106-12 471-315-10	CA019115248 CA019114518	170629-CA-RA3-HPRCA4-R-15C 170629-CA-RA3-HPRCA4-R-25C	\$1,052.50 \$1,428.26	\$0.00 \$0.00	X	X	\$1,052.50 \$1,428.26	\$105.25 \$142.83	\$31.58 \$42.85	\$1,189.33 \$1,613.94	\$80,868.00 Fresno \$62,443.00 Fresno	
Andrew Brewer	1335 E Calwa AVE Fresno CA 93706	479-243-20	CA019115008	170629-CA-RA3-HPR-R-10C	\$1,619.36	\$0.00	X	X	\$1,619.36	\$161.94	\$48.58	\$1,829.88	\$35,487.00 Fresno	
Amanda Moran-Hines, Kevin Hines	5117 W Bluff Ave Fresno CA 93722	502-271-31S	CA019114832	170714-CA-RA3-HPRCA4-R-15C	\$8,989.52	\$0.00	Х	X	\$8,989.52	\$898.95	\$269.69	\$10,158.16	\$295,744.00 Fresno	
Samuel Federico, Linda Federico	10618 N Maple Ave Fresno CA 93730	578-010-06	CA019115511	170908-CA-RA-HPR-R-15C	\$2,824.32	\$1,412.16		X	\$1,412.16	\$141.22	\$42.36	\$1,595.74	\$158,816.00 Fresno	
Maria Cuevas	1917 Cooper St Selma CA 93662	358-562-38 578-010-06	CA019115365 CA019114523	171006-CA-RA-HPR-R-15C 171027-CA-RA-HPR-R-10C	\$2,911.42 \$3,008.00	\$0.00 \$1.504.00	Х	X	\$2,911.42 \$1,504.00	\$291.14	\$87.34 \$45.12	\$3,289.90	\$160,405.00 Fresno	
Samuel Federico, Linda Federico Benjamin Aguilar, Marlise Aguilar	10618 N Maple Ave Fresno CA 93730 4215 Barcus Ave Fresno CA 93722	510-302-24	CA019114523 CA019116642	171127-CA-RA-HPR-R-10C 171117-CA-RA-HPR-R-20C	\$3,008.00	\$1,504.00	х	X	\$1,504.00	\$150.40 \$315.90	\$45.12 \$94.77	\$1,699.52 \$3,569.67	\$158,816.00 Fresno \$126,223.00 Fresno	
Samuel Federico, Linda Federico	10618 N Maple Ave Fresno CA 93730	578-010-06	CA019116832	180112-CA-RA-HPR-R-25C	\$3,941.12	\$1,970.56		X	\$1,970.56	\$197.06	\$59.12	\$2,226.74	\$158,816.00 Fresno	
Patrick McDonough	2305 E Brown Ave Fresno CA 93703	445-192-19	CA019117096	180126-CA-RA3-HPR-R-25CD	\$2,201.16	\$0.00	Х	Х	\$2,201.16	\$220.12	\$66.03	\$2,487.31	\$113,777.00 Fresno	
Linda Christner	959 Harvard Ave Clovis, CA 93612	497-103-04	CA019116594	180406-CA-RA-HPR-R-25CDE	\$2,470.16	\$0.00	Х	X	\$2,470.16	\$247.02	\$74.10	\$2,791.28	\$83,737.00 Fresno	
Bobby Randleman, Katie Patterson-Wilson Harry Silva	2827 E St Selma CA 93662 1934 W Pontiac Way Fresno CA 93705	389-071-07 433-151-34	CA019116842	180504-CA-RA-HPR-R-15CED 180614-CA-HLP-LEF-HPR-R-25AB-1	\$1,809.36 \$822.26	\$904.68 \$0.00	v	X	\$904.68 \$822.26	\$90.47 \$82.23	\$27.14 \$24.67	\$1,022.29 \$929.16	\$94,676.00 Fresno \$133,343.00 Fresno	
Harry Silva Arturo Rodriguez	1934 W Pontiac Way Fresno CA 93/05 172 Hoover St Coalinga CA 93210	433-151-34 071-151-06S	CA019116624 CA019117070	180824-CA-RA-HPR-R-25AB-1	\$822.26 \$1,233.72	\$0.00 \$0.00	Х	X	\$822.26 \$1,233.72	\$82.23 \$123.37	\$24.67 \$37.01	\$929.16 \$1,394.10	\$133,343.00 Fresno \$93,289.00 Fresno	
Vanetta Hannah, Hanunah Shabazz	1136 E DOROTHY ST Fresno CA 93706	479-254-04	CA019117950	180928-CA-RA-HPR-R-10DE	\$2,004.04	\$1,002.02	••	X	\$1,002.02	\$100.20	\$30.06	\$1,132.28	\$68,597.00 Fresno	
Ivan Sigmond Ballesteros	1346 E PRINCETON AVE FRESNO CA 93704	443-261-05	CA019118778	190524-CA-RA-HPR-R-15EF	\$1,944.82	\$972.41		X	\$972.41	\$97.24	\$29.17	\$1,098.82	\$288,000.00 Fresno	
Jose Ramos, Maria Ramos	9415 S COLUSA AVE San Joaquin CA 93660	033-020-50	CA019118653	190524-CA-RA-HPR-R-25EF	\$2,670.04	\$0.00	X	X	\$2,670.04	\$267.00	\$80.10	\$3,017.14	\$121,107.00 Fresno	
Federico Ramirez Anna Shelton	287 J ST MENDOTA CA 93640 515 W WELDON AVE FRESNO CA 93705	013-313-08 444-192-19	CA019119365 CA019119425	200424-CA-RA-HPR-R-05F 200714-CA-RA-HPR-R-15FG	\$2,927.30 \$2,851.92	\$0.00 \$0.00	X X	X Y	\$2,927.30 \$2,851.92	\$292.73 \$285.19	\$87.82 \$85.56	\$3,307.85 \$3,222.67	\$60,200.00 Fresno \$104,581.00 Fresno	
Maria Raudales	805 Paseo De Los Virreyes St Calexico 92231	058-734-008-000	RIC95648N-150428	150713-BE-WR-R-03-10C	\$1,431.10	\$0.00 \$715.55	^	X	\$2,651.92 \$715.55	\$265.19 \$71.56	\$21.47	\$808.58	\$229,395.00 Imperial	
Raquel Villa	825 E 3rd St Calexico 92231	058-502-013-000	CA025108595	161114-CA-RA-R-10C	\$1,269.18	\$0.00	Х	X	\$1,269.18	\$126.92	\$38.08	\$1,434.18	\$183,651.00 Imperial	
Maria Martinez	582 El Centro Ave El Centro 92243	044-421-023-000	CA025108795	170303-CA-RA2-R-10C	\$1,743.50	\$0.00	Х	Х	\$1,743.50	\$174.35	\$52.31	\$1,970.16	\$82,471.00 Imperial	
Revelina Viduya, Rodrigo Viduya	2320 Algehro Dr Delano 93215	049-332-04-00-7	RKC93782C-141014	150406-BE-R-04-20	\$1,890.94	\$0.00	X	X	\$1,890.94	\$189.09 \$170.07	\$56.73	\$2,136.76	\$191,955.00 Kern	
Queen Dodd Edward Guemes	1412 Ralston St Bakersfield 93307 3644 Alene Ave Ridgecrest 93555	018-121-08-00-5 352-221-16-00-4	RKC90521N-150305 RKC89783N-150325	150713-BE-WR-R-04-10B 150713-BE-WR-R-05-15C	\$1,726.72 \$2,418.04	\$0.00 \$1,209.02	Х	X Y	\$1,726.72 \$1,209.02	\$172.67 \$120.90	\$51.80 \$36.27	\$1,951.19 \$1,366.19	\$40,212.00 Kern \$141,826.00 Kern	
Kristy Strauss, Kylee Strauss	2918 Kaibab Ave Bakersfield 93306	383-092-24-00-3	RKC93317C-141121	150713-BE-WR-R-05-15C	\$2,379.42	\$1,209.02		X	\$1,209.02	\$120.90 \$118.97	\$35.69	\$1,344.37	\$78,692.00 Kern	
Tamala McDonald	803 Hacienda Dr Bakersfield 93307	170-240-39-00-4	RKC88370N-150501	150713-BE-WR-R-07-20C	\$1,025.64	\$0.00	Х	Х	\$1,025.64	\$102.56	\$30.77	\$1,158.97	\$26,325.00 Kern	
Maethan Johnson-Hill	1128 Eureka St Bakersfield 93305	017-250-09-00-2	RKC85505N-150709	151022-BE-WR-R-07-20C	\$2,307.82	\$0.00	Х	Х	\$2,307.82	\$230.78	\$69.23	\$2,607.83	\$90,548.00 Kern	
Barbara Hemminger, Daniel Hemminger	100 Bendix St Bakersfield 93308	114-315-09-00-2	RKC85391N-150713	151022-BE-WR-R-07-20C	\$2,149.08	\$0.00	Х	X	\$2,149.08	\$214.91	\$64.47	\$2,428.46	\$90,538.00 Kern	
Ishmael Kimbrough, Kotanya Kimbrough Cornelius Glass, Thelma Glass	1320 Falcon Ave Bakersfield 93304 27936 Highway 119 Taft 93268	025-091-13-00-3 298-120-27-00-5	RKC83108N-150903 RKC85292N-150714	160114-BE-WR-R-04-20C 160114-BE-WR-R-08-20C	\$1,874.24 \$2,708.60	\$937.12 \$0.00	v	X	\$937.12 \$2,708.60	\$93.71 \$270.86	\$28.11 \$81.26	\$1,058.94 \$3,060.72	\$77,182.00 Kern \$255,000.00 Kern	
Helen Cullen	227 Oleander Ave Bakersfield 93304	008-192-10-00-5	RKC78455N-160220	160506-CA-RA-R-20C	\$2,708.60	\$0.00	X	X	\$2,700.60	\$270.86	\$67.78	\$2,553.16	\$193,786.00 Kern	
Jackie Hagans	2613 Lupine St Lake Isabella 93240	263-234-01-00-5	CA029103512	160506-CA-RA-R-20C	\$870.18	\$0.00	Х	X	\$870.18	\$87.02	\$26.11	\$983.31	\$71,216.00 Kern	
Hayley Watts, Justin Watts	13348 Eberle Rd Bakersfield 93313	184-362-08-00-4	RKC81131C-151027	160512-BE-CA-RA2-R-06-10C	\$9,976.74	\$4,988.37		Х	\$4,988.37	\$498.84	\$149.65	\$5,636.86	\$418,677.00 Kern	
Mary Mendenhall	5429 Vista Del Mar Ave Bakersfield 93311	544-352-15-00-5	RKC83468N-150826	160512-BE-CA-RA2-R-08-20C	\$4,924.36	\$0.00	Χ	X	\$4,924.36	\$492.44	\$147.73	\$5,564.53	\$366,103.00 Kern	
Kimberly Harrison Rosa Ramirez, Tomas Ramirez	2616 Earlene Ave Bakersfield 93304 213 Stirrup Ave Bakersfield 93307	372-051-04-00-6 517-312-06-00-9	RKC79112N-160121 RKC84323C-150806	160512-BE-CA-RA-R-03-15C 160512-BE-CA-RA-R-04-20C	\$1,605.68 \$1,822.38	\$0.00 \$0.00	X	X Y	\$1,605.68 \$1,822.38	\$160.57 \$182.24	\$48.17 \$54.67	\$1,814.42 \$2,059.29	\$46,782.00 Kern \$118,632.00 Kern	
11050 Mathillioz, Torrido Mathillioz	210 Garay Ave Bakeronicia 55507	317-312-00-00-8	111/0040520-130000	100012-DE-OA-NA-N-04-2UC	φ1,022.30	φυ.υυ	^	^	ψ1,022.36	φ102.24	φυ4.07	ψ ∠, ∪JJ.∠J	Ψ110,002.00 NCIII	

Owner Name	Situs Address	Tax Parcel Number	r Participant ID	Bond Series	Levy Amount	Paid Amount		nt Installment	Delinquent	Penalty [3]	Interest [4]		Total Assessed County	Notes
Hilaria Quiocho, Ludger Quiocho, Richard Quiocho				160527-CA-RA-R-20C	-		1st	2nd X	Amount 6021 42			Delinquent	Value [1]	
Mary Gonzaga	1014 Valencia AVE Delano 93215 2013 Sandy Ln Bakersfield 93306	410-132-25-00-4 130-104-03-00-4	RKC78266A-160223 CA029104289	160624-CA-RA2-R-15C	\$1,842.86 \$806.42	\$921.43 \$403.21		X X	\$921.43 \$403.21	\$92.14 \$40.32	\$27.64 \$12.10	\$1,041.21 \$455.63	\$113,050.00 Kern \$142,081.00 Kern	
Dietha Tennento, William Smith	103 Garces Hwy Delano 93215	037-274-04-00-7	RKC77789P-160307	160805-CA-RA2-R-20C	\$1,961.26	\$0.00	Х	X	\$1,961.26	\$196.13	\$58.84	\$2,216.23	\$41,749.00 Kern	
Isaias Manriquez, Stephanie Manriquez	3108 Sterling Rd Bakersfield 93306	134-367-06-00-8	CA029105495	161104-CA-RA-R-10C	\$4,202.30	\$2,101.15		Х	\$2,101.15	\$210.12	\$63.03	\$2,374.30	\$120,209.00 Kern	
Ellen Bane	139 Spruce St Bakersfield 93304	008-212-03-00-0	CA029105864	170113-CA-RA2-R-20C	\$1,146.84	\$0.00	Х	Х	\$1,146.84	\$114.68	\$34.41	\$1,295.93	\$131,235.00 Kern	
Jack Weimer, Peggy Weimer	5305 Cameron CT Bakersfield CA 93309	355-071-02-00-1	CA029107712	170519-CA-RA3-HPR-R-15C	\$2,705.48	\$0.00	Х	Х	\$2,705.48	\$270.55	\$81.16	\$3,057.19	\$84,908.00 Kern	
Wesley Crawford, Shontelle Crawford	805 El Toro Dr Bakersfield CA 93304	011-421-03-00-8	CA029108274	170728-CA-RA3-HPR-R-10C	\$5,919.82	\$0.00	X	X	\$5,919.82	\$591.98	\$177.59	\$6,689.39	\$211,048.00 Kern	
Zenon Garza, Sulema Ramos Humberto Villarreal, Maria Villarreal	5405 Banning ST Bakersfield CA 93314 632 Langford Ave Arvin CA 93203	104-121-15-00-3 192-221-18-00-4	CA029108729 CA029108983	170929-CA-RA-HPR-R-15C 180209-CA-RA-HPR-R-15CD	\$2,516.88 \$2,060.36	\$0.00 \$0.00	X X	X	\$2,516.88 \$2,060.36	\$251.69 \$206.04	\$75.51 \$61.81	\$2,844.08 \$2,328.21	\$262,833.00 Kern \$71,960.00 Kern	
James Virden, Kelly Virden	243 E Spruce Ave Lemoore 93245	021-280-067-000	RKI95822C-150421	150713-BE-WR-R-07-20C	\$1,862.26	\$931.13	^	X	\$931.13	\$93.11	\$27.93	\$1,052.17	\$90,560.00 Kings	
Albert Bechtel, Carol Bechtel	474 W Spruce Ave Lemoore 93245	021-430-036-000	RKI95753N-150609	151022-BE-WR-R-07-20C	\$2,439.48	\$0.00	Х	Х	\$2,439.48	\$243.95	\$73.18	\$2,756.61	\$134,871.00 Kings	
Angelita Martinez, Jesse Martinez	625 Hill St Lemoore 93245	020-012-008-000	CA031108968	160603-CA-RA2-R-15C	\$2,038.86	\$1,019.43		X	\$1,019.43	\$101.94	\$30.58	\$1,151.95	\$72,105.00 Kings	
Pamela Oliveira	15900 18th Ave Lemoore 93245	024-110-034-000	CA031109040	160722-CA-RA-R-15C	\$1,455.70	\$0.00	Χ	Х	\$1,455.70	\$145.57	\$43.67	\$1,644.94	\$102,168.00 Kings	
Pamela Oliveira	15900 18th Ave Lemoore 93245	024-110-034-000	CA031109048	160902-CA-RA-R-20C	\$653.70	\$0.00	X	X	\$653.70	\$65.37	\$19.61	\$738.68	\$102,168.00 Kings	
Daniel Hernandez Margaret Juarez	1710 Chase Ave Corcoran 93212 313 E Malone St Hanford CA 93230	032-175-003-000 010-113-005-000	CA031109191 CA031109253	161114-CA-RA-R-10C 161216-CA-RA-R-20C	\$1,699.16 \$2,087.13	\$0.00 \$0.00	X X	X X	\$1,699.16 \$2,087.13	\$169.92 \$208.71	\$50.97 \$62.61	\$1,920.05 \$2,358.45	\$87,700.00 Kings \$110,842.00 Kings	
Manuel Lopez	2535 Plum Ln Hanford CA 93230	007-340-020-000	CA031109233 CA031109776	170915-CA-RA-HPR-R-15C	\$4,755.34	\$0.00	X	X	\$4,755.34	\$475.53	\$142.66	\$5,373.53	\$202,419.00 Kings	
Margaret Juarez	313 E Malone St Hanford CA 93230	010-113-005-000	CA031109730	180112-CA-RA-HPR-R-15C	\$2,360.47	\$0.00	X	X	\$2,360.47	\$236.05	\$70.81	\$2,667.33	\$110,842.00 Kings	
Lynn Turner	1419 Fitzgerald Ln Hanford CA 93230	010-320-008-000	CA031109992	180608-CA-RA-HPR-R-25CDE	\$1,317.18	\$658.59		Х	\$658.59	\$65.86	\$19.76	\$744.21	\$88,302.00 Kings	
Ramon Gloria	2556 SHERMAN AVE CORCORAN CA 93212	034-143-059-000	CA031110292	200424-CA-RA-HPR-R-20F	\$1,060.26	\$0.00	Х	Χ	\$1,060.26	\$106.03	\$31.81	\$1,198.10	\$133,620.00 Kings	
Ericka England	37922 Janus Dr Palmdale 93550	3020-032-014	RLA94700N-140606	140711-CA-PB-R-15B	\$3,381.14	\$0.00	X	X	\$3,381.14	\$338.11	\$101.43	\$3,820.68	\$172,579.00 Los Angeles	
Armando Cabrera, Rose Cabrera	820 W Harding Way Montebello 90640	6345-005-019	RLA83573N-141213	150406-BE-R-02-10	\$4,953.00	\$0.00	X	X	\$4,953.00	\$495.30	\$148.59	\$5,596.89	\$66,268.00 Los Angeles	
Rosario Alcaraz, Santos Alcaraz Angel Nieves, Angela Nieves	37504 Manchester St Palmdale 93552 1010 Douglass Dr Pomona 91768	3023-036-098 8360-008-001	RLA89975N-140821 RLA89570N-140828	150406-BE-R-04-20 150406-BE-R-04-20	\$2,229.57 \$2,162.23	\$0.00 \$0.00	X X	X X	\$2,229.57 \$2,162.23	\$222.96 \$216.22	\$66.89 \$64.87	\$2,519.42 \$2,443.32	\$202,742.00 Los Angeles \$128,610.00 Los Angeles	
Celida Garibaldo, Francisco Garibaldo	14143 Ballentine Pl Baldwin Park 91706	8544-011-009	RLA95654C-140527	150406-BE-R-04-20 150406-BE-R-04-20	\$2,162.23 \$1,847.31	\$0.00	X	×	\$2,162.23 \$1,847.31	\$216.22 \$184.73	\$55.42	\$2,443.32 \$2,087.46	\$412,277.00 Los Angeles	
Jana Bautista, Maria Bautista	1656 W Lancaster Blvd Lancaster 93534	3122-006-003	RLA80558N-150218	150713-BE-WR-R-04-10B	\$2,433.56	\$1,216.78		X	\$1,216.78	\$121.68	\$36.50	\$1,374.96	\$137,292.00 Los Angeles	
Jose Cabrera, Maria Cabrera	2218 Notre Dame Ave Pomona 91766	8329-008-022	RLA81464N-150131	150713-BE-WR-R-04-10B	\$4,531.50	\$0.00	Х	Х	\$4,531.50	\$453.15	\$135.95	\$5,120.60	\$512,513.00 Los Angeles	
Nora Morales	736 S 5th St Montebello 90640	6352-014-006	RLA77204N-150409	150713-BE-WR-R-05-15C	\$2,475.58	\$1,237.79		Х	\$1,237.79	\$123.78	\$37.13	\$1,398.70	\$101,064.00 Los Angeles	
Andrew Glover	746 E Fernleaf Ave Pomona 91766	8333-027-019	RLA81422CB-150202	150713-BE-WR-R-05-15C	\$1,343.20	\$0.00	Х	Х	\$1,343.20	\$134.32	\$40.30	\$1,517.82	\$203,054.00 Los Angeles	
Androw Clover	45534 Sancroft Ave Lancaster 93535	3176-013-008	RLA81263N-150205	150713-BE-WR-R-08-20B	\$1,956.73	\$978.37	x	X	\$978.36	\$97.84	\$29.35	\$1,105.55 \$2,445.01	\$105,494.00 Los Angeles	
Andrew Glover Nicole Davis-Johnson	746 E Fernleaf Ave Pomona 91766 1340 W Orange Grove Ave Pomona 91768	8333-027-019 8357-002-100	RLA81422C-150202 RLA80942C-150210	150713-BE-WR-R-08-20B 150713-BE-WR-R-08-20B	\$2,164.52 \$4,056.75	\$0.00 \$2.028.38	Х	X	\$2,164.52 \$2,028.37	\$216.45 \$202.84	\$64.94 \$60.85	\$2,445.91 \$2,292.06	\$203,054.00 Los Angeles \$233,962.00 Los Angeles	
Van Khiev	3742 Strang Ave Rosemead 91770	8578-002-051	RLA80627C-150217	150713-BE-WR-R-08-20B	\$2,616.34	\$0.00	Х	X	\$2,616.34	\$261.63	\$78.49	\$2,956.46	\$194,341.00 Los Angeles	
Catalina Barreras	4824 BRESEE AVE BALDWIN PARK CA 91706	8535-007-018	CA037165965	201009-CA-RA-HPR-R-15FG	\$8,517.97	\$0.00	Х	Х	\$8,517.97	\$851.80	\$255.54	\$9,625.31	\$47,281.00 Los Angeles	
Melinda Sawyer	1637 WATERS AVE POMONA CA 91766	8343-021-023	CA037166055	211007-CA-RPP-R-25	\$3,071.51	\$0.00	Χ	X	\$3,071.51	\$307.15	\$92.15	\$3,470.81	\$36,706.00 Los Angeles	
Richard Krogel	2411 Adelfa St La Grange CA 95329	020-010-002-000	CA043104165	180126-CA-RA3-HPR-R-15CD	\$1,131.26	\$0.00	Χ	Х	\$1,131.26	\$113.13	\$33.94	\$1,278.33	\$122,527.00 Mariposa	2023 Assessed Value
Andres Ybarra, Virginia Olivas	319 W 22nd St Merced 95340	030-193-010-000	RMR95195A-150520	150713-BE-WR-R-07-20C	\$1,036.82	\$0.00	X	X	\$1,036.82	\$103.68	\$31.10	\$1,171.60	\$221,251.00 Merced	
Andres Ybarra, Virginia Olivas Mark Green	319 W 22nd St Merced 95340 2345 Lander Ave Stevinson 95374	030-193-010-000 055-177-012-000	RMR95615C-141219 RMR94994N-150707	150713-BE-WR-R-08-20B 160114-BE-WR-R-03-15C	\$1,118.40 \$2,328.46	\$0.00 \$0.00	X X	X X	\$1,118.40 \$2,328.46	\$111.84 \$232.85	\$33.55 \$69.85	\$1,263.79 \$2,631.16	\$221,251.00 Merced \$241,657.00 Merced	
Julio Rojas-Reyes	627 Q St Merced 95341	032-183-036-000	CA047109097	161021-CA-RA-R-10C	\$1,738.02	\$869.01	^	X	\$869.01	\$86.90	\$26.07	\$981.98	\$49,039.00 Merced	
Dorothy Reynolds, Walter Reynolds	704 Northwood Dr Merced CA 95348	007-272-019-000	CA047109498	170707-CA-RA3-HPR-R-20C	\$2,411.28	\$0.00	Х	X	\$2,411.28	\$241.13	\$72.34	\$2,724.75	\$90,279.00 Merced	
Guadalupe Jauregui	16634 Everton St Delhi 95315	010-032-009-000	CA047109871	170825-CA-RA-HPRCA4-R-15C	\$1,750.68	\$875.34		X	\$875.34	\$87.53	\$26.26	\$989.13	\$249,520.00 Merced	
Joseph Manzanedo	507 San Juan St Los Banos CA 93635	025-145-003-000	CA047110330	180126-CA-RA3-HPR-R-15CD	\$2,625.90	\$0.00	Χ	Х	\$2,625.90	\$262.59	\$78.78	\$2,967.27	\$94,659.00 Merced	
Warren Patrick Shelly	1717 OLIVER ST DOS PALOS CA 93620	012-310-034-000	CA047110893	190809-CA-RA-HPR-R-20F	\$2,301.50	\$0.00	X	X	\$2,301.50	\$230.15	\$69.05	\$2,600.70	\$45,302.00 Merced	
Armando De Loa	2316 LOBO AVE MERCED CA 95348 934 W 25TH ST MERCED CA 95340	057-263-005-000 030-081-004-000	CA047111113 CA047111112	201009-CA-RA-HPR-R-05FG 201130-CA-RA-HPR-R-15G	\$4,815.20 \$1,849.64	\$0.00 \$924.82	Х	X	\$4,815.20 \$924.82	\$481.52 \$92.48	\$144.46 \$27.74	\$5,441.18 \$1.045.04	\$159,062.00 Merced \$291.569.00 Merced	
Jorge Quintero, Elvia Quintero, Esteban Quintero, Leticia Quintero Michael Mckee	130 W 26TH ST MERCED CA 95340	030-081-004-000	CA047111112 CA047111120	201130-CA-RA-HPR-R-15G 201130-CA-RA-HPR-R-25G	\$1,849.64	\$924.82	Х	X	\$924.82 \$1,700.34	\$92.48 \$170.03	\$27.74 \$51.01	\$1,045.04	\$291,569.00 Merced	
Norman Venuti	8 N 4th St Salinas 93906	003-352-008-000	CA053108096	160819-CA-RA-R-20C	\$1,531.04	\$0.00	X	X	\$1,531.04	\$153.10	\$45.93	\$1,730.07	\$52,591.00 Monterey	
William Klauer	4 White Fir Ct Napa 94558	035-501-001-000	RNC95591N-150105	150406-BE-R-02-10	\$3,784.76	\$1,892.38		Х	\$1,892.38	\$189.24	\$56.77	\$2,138.39	\$789,966.00 Napa	
Loc Mai	8861 Hazard Garden Grove 92844	097-322-44	ROC87179N-141110	150406-BE-R-02-10	\$5,173.73	\$0.00	Χ	X	\$5,173.73	\$517.37	\$155.21	\$5,846.31	\$424,105.00 Orange	
Banji Adereti, Funmi Adereti	866 N Hall Ln Placentia 92870	341-452-05	ROC85592C-141227	150406-BE-R-03-15	\$2,457.55	\$0.00	Χ	X	\$2,457.55	\$245.76	\$73.73	\$2,777.04	\$457,397.00 Orange	
Loren Carroll Chris Pahadilla, Los Pahadilla, Ofalia Pahadilla	3001 S Pacific Ave Santa Ana 92704	412-012-10	ROC88244N-141010	150406-BE-R-04-20	\$2,604.00	\$1,302.00		X	\$1,302.00	\$130.20	\$39.06	\$1,471.26	\$102,200.00 Orange	
Chris Bobadilla, Leo Bobadilla, Ofelia Bobadilla Dawn Hlavin	11 Northwind Ct 41 Newport Beach 92663 9852 Hibiscus Dr Garden Grove 92841	933-381-78 132-362-07	ROC86471N-141201 ROC76613C-150727	150713-BE-WR-R-04-10B 151022-BE-WR-R-03-10C	\$2,039.87 \$2,956.40	\$1,019.94 \$0.00	Х	X X	\$1,019.93 \$2,956.40	\$101.99 \$295.64	\$30.60 \$88.69	\$1,152.52 \$3,340.73	\$474,561.00 Orange \$85,737.00 Orange	
Anthony Gallegos, Toni Gallegos	7705 E Bridgewood Dr Anaheim 92808	354-421-03	ROC82118A-150325	151022-BE-WR-R-05-10C 151022-BE-WR-R-05-15C	\$7,141.50	\$0.00	X	X	\$7,141.50	\$714.15	\$214.25	\$8,069.90	\$949,598.00 Orange	
Esther Maraga, Javier Maraga	150 Gwynwood Ave La Habra 90631	019-384-04	ROC81575N-150403	151022-BE-WR-R-07-20C	\$6,718.51	\$0.00	X	X	\$6,718.51	\$671.85	\$201.56	\$7,591.92	\$351,712.00 Orange	
Derek Sheppard, Heather Sheppard	20401 Brentstone Ln Huntington Beach 92646	151-551-15	ROC76301N-150801	151022-BE-WR-R-07-20C	\$2,747.88	\$0.00	Х	X	\$2,747.88	\$274.79	\$82.44	\$3,105.11	\$794,423.00 Orange	
Jaime Devera	6153 Nauru St Cypress 90630	224-075-08	ROC74018N-150914	160114-BE-WR-R-04-20C	\$2,864.13	\$1,432.07		Х	\$1,432.06	\$143.21	\$42.96	\$1,618.23	\$88,295.00 Orange	
Peta Fasulo, Robert Fasulo	2285 Tustin Ave Newport Beach 92660	426-091-53	ROC71813N-151022	160114-BE-WR-R-07-15C	\$2,241.93	\$1,120.97	.,	X	\$1,120.96	\$112.10	\$33.63		\$1,641,894.00 Orange	
Michele Smith Loren Carroll	5188 Piccadilly Cir Westminster 92683 3001 S Pacific Ave Santa Ana 92704	195-412-32 412-012-10	ROC71102N-151106 ROC68285A-160119	160512-BE-CA-RA2-R-08-20C 160512-BE-CA-RA-R-03-15C	\$728.25 \$668.46	\$0.00 \$334.23	Х	X X	\$728.25 \$334.23	\$72.83 \$33.42	\$21.85 \$10.03	\$822.93 \$377.68	\$107,527.00 Orange	
Michael Murdock	1706 W 10th ST Santa Ana 92703	412-012-10 405-141-69	ROC68285A-160119 ROC68426N-160115	160512-BE-CA-RA-R-03-15C 160512-BE-CA-RA-R-04-20C	\$668.46 \$3,928.26	\$334.23 \$0.00	Х	X	\$334.23 \$3,928.26	\$33.42 \$392.83	\$10.03 \$117.85	\$377.68 \$4,438.94	\$102,200.00 Orange \$70,042.00 Orange	
John Brown, Kaitlin Brown	224 S Gain Ave Anaheim 92804	127-022-21	CA059105175	160708-CA-RA-R-10C	\$3,974.70	\$0.00	X	X	\$3,974.70	\$397.47	\$117.83	\$4,438.94	\$327,739.00 Orange	
Ronald Wright	306 N Lindsay St Anaheim 92801	072-453-43	CA059104356	160805-CA-RA2-R-15C	\$2,286.01	\$0.00	Х	Х	\$2,286.01	\$228.60	\$68.58	\$2,583.19	\$112,650.00 Orange	
Jaime Devera	6153 Nauru St Cypress 90630	224-075-08	CA059106147	160812-CA-RA-R-15C	\$1,640.25	\$820.13		X	\$820.12	\$82.01	\$24.60	\$926.73	\$88,295.00 Orange	
Patricia Donaldson	2610 Greenbrier LN La Habra 90631	018-343-06	CA059105644	161028-CA-RA2-R-20C	\$5,073.04	\$0.00	Χ	X	\$5,073.04	\$507.30	\$152.19	\$5,732.53	\$780,300.00 Orange	
Irene Bertuzzi	8361 Cerulean DR Garden Grove 92841	131-521-36	CA059107068	161028-CA-RA2-R-25C	\$4,981.91	\$2,490.96	v	X	\$2,490.95	\$249.10	\$74.73	\$2,814.78	\$87,278.00 Orange	
Marietta Finney Sandra Fong, Marjorie Fong	1858 Almond Dr Anaheim CA 92805 2738 Fremont LN Costa Mesa CA 92626	035-364-15 141-552-03	CA059107398 CA059108726	161104-CA-RA-R-10C 170324-CA-RA3-R-15C	\$1,289.43 \$4,983.11	\$0.00 \$2,491.56	Х	X Y	\$1,289.43 \$2,491.55	\$128.94 \$249.16	\$38.68 \$74.75	\$1,457.05 \$2,815.46	\$60,098.00 Orange \$415,563.00 Orange	
Sandra Fong, Marjorie Fong	2738 Fremont LN Costa Mesa CA 92626	141-552-03	CA059106726 CA059106921	170407-CA-RA3-R-15C	\$3,130.32	\$2,491.56		X	\$1,565.16	\$249.16 \$156.52	\$46.95	\$1,768.63	\$415,563.00 Orange	
Marietta Finney	1858 Almond Dr Anaheim CA 92805	035-364-15	CA059109058	170421-CA-RA-HPR-R-20C	\$2,739.50	\$0.00	Х	X	\$2,739.50	\$273.95	\$82.19	\$3,095.64	\$60,098.00 Orange	
Valerie Clark	314 Goldenrod AVE Newport Beach CA 92625	930-254-18	CA059110193	170721-CA-RA3-HPR-R-15C	\$3,997.34	\$0.00	Х	Х	\$3,997.34	\$399.73	\$119.92		\$1,172,790.00 Orange	
Richard Gordon	389 Victoria St Costa Mesa CA 92627	419-172-03	CA059109950	171027-CA-RA-HPR-R-15C	\$2,092.97	\$0.00	Х	Х	\$2,092.97	\$209.30	\$62.79	\$2,365.06	\$68,704.00 Orange	
Stacy Massey	17321 GIBSON CIR HUNTINGTON BEACH CA 92647	165-093-20	CA059112771	190419-CA-RA-HPR-R-05EF	\$1,852.46	\$0.00	X	X	\$1,852.46	\$185.25	\$55.57	\$2,093.28	\$128,316.00 Orange	
Nancy Meler	11044 Hercules Way Mira Loma 91752	160-072-026	RWR93542C-120601	130302-BE-05	\$1,958.22	\$0.00	X	X	\$1,958.22 \$1,113.19	\$195.82	\$58.75	\$2,212.79	\$279,007.00 Riverside	
Henry Tomas Lindbergh Hale	7831 Casablanca St Riverside 92504 5440 Peacock Ln Riverside 92505	230-222-012 168-203-010	RWR68408N-130626 RWR72974C-130515	130719-01-IN-15 130719-01-IN-20	\$1,113.18 \$908.66	\$0.00 \$454.33	Х	х У	\$1,113.18 \$454.33	\$111.32 \$45.43	\$33.40 \$13.63	\$1,257.90 \$513.39	\$276,856.00 Riverside \$105,898.00 Riverside	
Alfred Zaragoza, Anita Zaragoza	5906 Bee Jay St Riverside 92503	151-041-007	RWR66660C-130709	130809-01-IN-20	\$2,308.88	\$0.00	Х	x	\$2,308.88	\$230.89	\$69.27	\$2,609.04	\$41,264.00 Riverside	
		0.2 00/			\$2,500.00	ψ0.00			-2,000.00	\$200.00	ψυυ.Z/	,000.07	,	

Owner Name	Situs Address	Tax Parcel Number	Participant ID	Bond Series	Levy Amount F	Paid Amount		nt Installment	Delinquent	Penalty [3]	Interest [4]	Total	Total Assessed	County	Notes
Mel Miller	3760 Marview Ct Riverside 92505	132-052-012	RWR55778A-131010	131108-WR-PB-R-15B	\$2,406.99	\$1,203.50	1st	2nd X	\$1,203.49	\$120.35	\$36.10	Delinquent \$1,359.94	Value [1] \$241,066.00 Riv	verside	
James Brown, Paula Brown	25301 Tradewinds Dr Menifee 92585	329-340-017	RWR54232N-131010	131206-WR-PB-R-20B	\$2,406.99	\$0.00	Х	X	\$1,374.26	\$137.43	\$41.23	\$1,552.92	\$241,000.00 RN		
Alicia Russell	22910 Brompton St Moreno Valley 92553	291-541-033	RWR52732A-131119	131213-WR-PB-R-20B	\$1,280.56	\$640.28		Х	\$640.28	\$64.03	\$19.21	\$723.52	\$184,406.00 Riv	verside	
Jose Salitre, Pamela Salitre	3904 Mennes Ave Riverside 92509	181-101-048	RWR63810N-130801	131220-WR-PB-R-20A	\$2,073.52	\$1,036.76		Х	\$1,036.76	\$103.68	\$31.10	\$1,171.54	\$82,820.00 Riv		
Elva Buchanan, Richard Buchanan	25865 Hemet St Hemet 92544	551-210-020	RWR53252C-131111	131227-WR-PB-R-15B	\$2,715.10	\$0.00	Х	X	\$2,715.10	\$271.51	\$81.45	\$3,068.06	\$193,620.00 Riv		
Rigoberto Montes Dennis Moore	3435 Sparrow Cir Riverside 92503 17624 Mackay AVE Lake Elsinore 92530	132-090-050 383-103-003	RWR63052C-130808 RWR65972N-130715	140219-BE-R-06-10C 140219-BE-R-09-15C	\$1,685.42 \$2,759.80	\$842.71 \$0.00	Х	X X	\$842.71 \$2,759.80	\$84.27 \$275.98	\$25.28 \$82.79	\$952.26 \$3,118.57	\$165,760.00 Riv \$183,302.00 Riv		
James Snow, Stephanie Snow	2880 Northstar Cir Corona 92882	113-461-023	RWR93006N-120616	140219-BE-R-10-20A	\$5,091.36	\$0.00	X	X	\$5,091.36	\$509.14	\$152.74	\$5,753.24	\$585,687.00 Riv		
Mel Miller	3760 Marview Ct Riverside 92505	132-052-012	RWR88068C-121015	140219-BE-R-10-20A	\$1,069.09	\$534.55		Х	\$534.54	\$53.45	\$16.04	\$604.03	\$241,066.00 Riv	verside	
Elizabeth Torres, Jay Torres	8457 SYRACUSE Riverside 92508	284-121-002	RWR92426N-120705	140219-BE-R-10-20A	\$3,711.70	\$0.00	Χ	Х	\$3,711.70	\$371.17	\$111.35	\$4,194.22	\$394,043.00 Riv		
Vargo McClintock	27177 Pumpkin St Murrieta 92562	392-170-023	RWR94908N-120502	140219-BE-R-10-20A	\$2,041.44	\$1,020.72		X	\$1,020.72	\$102.07	\$30.62	\$1,153.41	\$366,107.00 Riv		
Mel Miller David Vanvoorhis, Linda Vanvoorhis	3760 Marview Ct Riverside 92505 3895 Roblyn St Riverside CA 92504	132-052-012 193-303-023	RWR88068CB-121015 RWR86482C-121115	140219-BE-R-11-20B 140219-BE-R-11-20B	\$1,166.64 \$1,724.24	\$583.32 \$0.00	Y	X	\$583.32 \$1,724.24	\$58.33 \$172.42	\$17.50 \$51.73	\$659.15 \$1,948.39	\$241,066.00 Riv \$161,736.00 Riv		
Stasha Sill	22751 Cove View Canyon Lake 92587	354-041-003	RWR84404N-121228	140219-BE-R-11-20B	\$2,179.30	\$0.00	X	X	\$2,179.30	\$217.93	\$65.38	\$2,462.61	\$689,520.00 Riv		
Clifford Bronson	341 Wales Ct SAN JACINTO 92583	434-442-027	RWR77096N-130403	140219-BE-R-11-20B	\$1,086.52	\$0.00	Χ	Х	\$1,086.52	\$108.65	\$32.60	\$1,227.77	\$209,735.00 Riv		
Agata Maher, Thomas Maher	29419 Masters Dr Murrieta 92563	908-341-004	RWR84976N-121215	140219-BE-R-11-20B	\$2,822.84	\$1,411.42		Х	\$1,411.42	\$141.14	\$42.34	\$1,594.90	\$359,369.00 Riv		
Craig Lair, Yolanda Lair	3618 Gary Pl Riverside 92501	206-182-011	RWR66194C-130712	140219-BE-R-12-20C	\$2,245.98	\$1,122.99	.,	X	\$1,122.99	\$112.30	\$33.69	\$1,268.98	\$175,023.00 Riv		
Alina Morse, Harold Edgar Beverly Anderson	16717 Weeping Willow Dr Riverside 92503 28750 Snead Dr Sun City 92586	269-361-009 337-374-002	RWR73272C-130513 RWR48216N-140131	140219-BE-R-12-20C 140307-CA-PB-R-10B	\$4,282.50 \$4,444.14	\$0.00 \$0.00	X X	X Y	\$4,282.50 \$4,444.14	\$428.25 \$444.41	\$128.48 \$133.32	\$4,839.23 \$5,021.87	\$577,179.00 Riv \$199,187.00 Riv		
Rose Marie Burrowes	16421 Wagon Wheel Dr Riverside 92506	245-460-013	RWR46217C-140221	140404-CA-PB-R-20B	\$814.40	\$0.00	X	X	\$814.40	\$81.44	\$24.43	\$920.27	\$129,258.00 Riv		
Maria Calvert	5339 Paloma Rd Riverside 92509	178-113-026	RWR41321N-140403	140502-CA-PB-R-15B	\$2,533.48	\$0.00	Χ	Х	\$2,533.48	\$253.35	\$76.00	\$2,862.83	\$18,077.00 Riv	erside	
Arcel Manning	25684 Shalu Ave Moreno Valley 92557	474-652-003	RWR52472C-131123	140523-CA-PB-R-20B	\$3,773.76	\$1,886.88		Х	\$1,886.88	\$188.69	\$56.61	\$2,132.18	\$207,768.00 Riv		
Adrian Gutierrez	7314 Evans St Riverside 92504	230-302-002	RWR45470N-140227	140606-CA-PB-R-20B	\$3,458.70	\$0.00	X	X	\$3,458.70	\$345.87	\$103.76	\$3,908.33	\$67,353.00 Riv		
Arvin Raxter Elizabeth Kraemer	21691 Wagon Rim Ct Wildomar 92595 620 Parkview Dr Lake Elsinore 92530	366-380-011 379-342-088	RWR19004C-141006 RWR25094C-140818	150406-BE-R-03-15 150406-BE-R-03-15	\$3,403.76 \$1,449.08	\$0.00 \$0.00	X X	X X	\$3,403.76 \$1,449.08	\$340.38 \$144.91	\$102.11 \$43.47	\$3,846.25 \$1,637.46	\$236,968.00 Riv \$141,385.00 Riv		
Sheila Risinger	23127 Spring Meadow Dr Murrieta 92562	904-451-011	RWR12428N-141219	150406-BE-R-03-15	\$1,449.08 \$2,980.88	\$0.00	X	X	\$1,449.08 \$2,980.88	\$298.09	\$43.47 \$89.43	\$3,368.40	\$141,385.00 RIV \$289,372.00 RIV		
Grace Geaga	13421 Shady Knoll Dr Eastvale 92880	164-291-012	RWR39923N-140416	150406-BE-R-04-20	\$3,976.58	\$0.00	X	X	\$3,976.58	\$397.66	\$119.30	\$4,493.54	\$516,032.00 Riv		
Guadalupe Corrales	9623 Birmingham Ave Riverside 92509	167-301-005	RWR24734C-140821	150406-BE-R-04-20	\$1,783.72	\$891.86		Χ	\$891.86	\$89.19	\$26.76	\$1,007.81	\$330,783.00 Riv		
Lindbergh Hale	5440 Peacock Ln Riverside 92505	168-203-010	RWR39893A-140416	150406-BE-R-04-20	\$843.28	\$421.64	.,	X	\$421.64	\$42.16	\$12.65	\$476.45	\$105,898.00 Riv		
Charles Murray	28280 Joan Dunn Ln Murrieta 92563	384-240-013 949-163-007	RWR46940P-140214	150406-BE-R-04-20 150406-BE-R-04-20	\$3,053.22 \$2,359.30	\$0.00 \$1,179.65	Х	X X	\$3,053.22 \$1,179.65	\$305.32 \$117.97	\$91.60 \$35.39	\$3,450.14 \$1,333.01	\$247,326.00 Riv \$366,546.00 Riv		
Frank Ngo James Wallace, Savanah Wallace	40661 Symeron Way Murrieta 92562 44972 Marge Pl Temecula 92592	960-241-002	RWR17498C-141021 RWR24584C-140822	150406-BE-R-04-20 150406-BE-R-04-20	\$2,359.30 \$3,196.94	\$1,179.65		X	\$1,179.65 \$1,598.47	\$117.97 \$159.85	\$35.39 \$47.95	\$1,333.01 \$1,806.27	\$228,867.00 Riv		
Maricela Morales	32157 Michelle Dr Lake Elsinore 92530	379-445-006	RWR3183C-150409	150713-BE-WR-R-03-10C	\$2,020.76	\$1,010.38		X	\$1,010.38	\$101.04	\$30.31	\$1,141.73	\$221,461.00 Riv		
Debbie Sanchez	4741 Foxborough Ct Riverside 92509	167-343-012	RWR4686N-150324	150713-BE-WR-R-05-15C	\$1,633.60	\$0.00	Χ	X	\$1,633.60	\$163.36	\$49.01	\$1,845.97	\$198,771.00 Riv	verside	
Jose Ayala, Lirda Ayala	23870 Lodge Dr Canyon Lake 92587	350-244-038	RWR3192N-150409	150713-BE-WR-R-05-15C	\$1,878.14	\$0.00	X	X	\$1,878.14	\$187.81	\$56.34	\$2,122.29	\$113,454.00 Riv		
Estella Cervates Jacqueline Hernandez	85403 Valencia Ln Coachella 92236	778-300-024 482-201-005	RER95132N-150423	150713-BE-WR-R-05-15C 150713-BE-WR-R-06-15B	\$745.08 \$2,996.50	\$0.00 \$0.00	X X	X	\$745.08 \$2,996.50	\$74.51 \$299.65	\$22.35 \$89.90	\$841.94 \$3,386.05	\$113,701.00 Riv \$65,714.00 Riv		
Larry Jennings, Mary Jennings	24810 Eugena Ave Moreno Valley 92553 15585 Nueces Ct Moreno Valley 92551	486-385-012	RWR10916N-150114 RWR6815N-150228	150713-BE-WR-R-07-20C	\$2,996.50	\$1,230.77	^	X	\$1,230.77	\$123.08	\$36.92	\$1,390.77	\$183,482.00 Riv		
Romeo Mata, Socorro Mata	51911 Calle Torres Orduno Coachella 92236	768-242-008	RER94955N-150513	150713-BE-WR-R-07-20C	\$1,396.50	\$0.00	Χ	Х	\$1,396.50	\$139.65	\$41.90	\$1,578.05	\$116,941.00 Riv		
Susana Madrigal	3914 Grant St Corona 92879	115-273-026	RWR13805N-141201	150713-BE-WR-R-08-20B	\$5,686.16	\$0.00	Χ	Χ	\$5,686.16	\$568.62	\$170.58	\$6,425.36	\$289,735.00 Riv		
Arturo Viveros	24652 Huntley Dr Moreno Valley 92557	475-352-024	RWR7124N-150224	150713-BE-WR-R-08-20B	\$2,427.62	\$0.00	X	X	\$2,427.62	\$242.76	\$72.83	\$2,743.21	\$449,000.00 Riv		
Manuel Hurtado, Ricardo Hurtado Janet Hewey	150 N Buena Vista Ave Corona 92882 10345 Victoria Ave Riverside 92503	118-260-009 138-260-011	RWR93575A-150612 RWR95549N-150511	151022-BE-WR-R-05-15C 151022-BE-WR-R-05-15C	\$2,647.80 \$2,032.16	\$0.00 \$0.00	X X	X	\$2,647.80 \$2,032.16	\$264.78 \$203.22	\$79.43 \$60.96	\$2,992.01 \$2,296.34	\$35,691.00 Riv \$380,157.00 Riv		
Beatrice Carrasco, Sylvia Carrasco	25938 Fore Dr Hemet 92544	549-102-019	RWR89015N-150814	151022-BE-WR-R-05-15C	\$1,799.14	\$0.00	X	X	\$1,799.14	\$203.22 \$179.91	\$53.97	\$2,290.34	\$156,875.00 Riv		
Dionne Camacho	64421 Diegel Ct Desert Hot Springs 92240	661-072-017	RER94532N-150613	151022-BE-WR-R-05-15C	\$2,087.78	\$1,043.89		Х	\$1,043.89	\$104.39	\$31.32	\$1,179.60	\$272,685.00 Riv		
Susan LeDuc	4175 Rees St Riverside 92504	227-112-013	RWR4671N-150324	151022-BE-WR-R-07-20C	\$2,550.00	\$0.00	X	Χ	\$2,550.00	\$255.00	\$76.50	\$2,881.50	\$122,067.00 Riv		
Cheryl Gray, Lewis Gray	951 Indiangrass Dr Hemet 92545	444-451-002	RWR3366N-150407	151022-BE-WR-R-07-20C	\$4,108.96	\$0.00	X	X	\$4,108.96	\$410.90	\$123.27	\$4,643.13	\$328,263.00 Riv		
Edmundo Valencia Sheila Cabral	21575 High St Perris 92570 30400 Lakeview Ave Nuevo 92567	318-270-078 426-450-015	RWR94377N-150531 RWR87043N-150909	160114-BE-WR-R-03-15C 160114-BE-WR-R-04-20C	\$1,277.70 \$5,103.78	\$0.00 \$0.00	X X	X X	\$1,277.70 \$5,103.78	\$127.77 \$510.38	\$38.33 \$153.11	\$1,443.80 \$5,767.27	\$102,967.00 Riv \$354.033.00 Riv		
Brian Swanson, Laree Swanson	263 Galiceno Dr San Jacinto 92582	436-334-001	CA065103942	160506-CA-RA-R-15C	\$2,025.90	\$0.00	X	X	\$2,025.90	\$202.59	\$60.78	\$2,289.27	\$159,438.00 Riv		
Jocelyn Seigler, Steven Seigler	1230 Quivero Cir Corona 92879	123-340-005		160512-BE-CA-RA2-R-07-15C	\$3,384.45	\$0.00	X	X	\$3,384.45	\$338.45	\$101.53	\$3,824.43	\$396,711.00 Riv		
Lawrence Sebald, Victoria Sebald	3720 Jurupa Ave Riverside 92506	225-071-001	RWR79119N-160128	160512-BE-CA-RA2-R-08-20C	\$913.06	\$456.53		X	\$456.53	\$45.65	\$13.70	\$515.88	\$181,110.00 Riv	verside	
Donna McCarty	39450 Avenida Bizaro Murrieta 92562	930-260-005	RWR78965N-160201	160512-BE-CA-RA2-R-08-20C	\$1,925.28	\$962.64	.,	X	\$962.64	\$96.26	\$28.88	\$1,087.78	\$703,848.00 Riv		
Jocelyn Seigler, Steven Seigler Sonia Cervantes, Teodoro Cervantes	1230 Quivero Cir Corona 92879 26272 Amen St Hemet 92544	123-340-005 552-420-006	RWR81503N-151208 RWR86129N-150922	160512-BE-CA-RA-R-03-15C 160512-BE-CA-RA-R-04-20C	\$5,599.07 \$3,922.40	\$0.00 \$1,961.20	Х	X X	\$5,599.07 \$1,961.20	\$559.91 \$196.12	\$167.97 \$58.84	\$6,326.95 \$2,216.16	\$396,711.00 Riv \$424,233.00 Riv		
Kimberly Escamilla	1073 S Hewitt St San Jacinto 92583	437-281-036	RWR77025A-160303	160513-CA-RA2-R-20C	\$3,922.40 \$1,216.68	\$1,961.20	Х	X	\$1,961.20	\$196.12 \$121.67	\$36.50	\$2,216.16	\$206,190.00 Riv		
Alicia Cendejas, Gabriel Cendejas	2168 1st St Norco 92860	126-271-001	CA065106171	160708-CA-RA-R-10C	\$3,490.54	\$0.00	X	X	\$3,490.54	\$349.05	\$104.72	\$3,944.31	\$210,748.00 Riv		
Franklin Tarnoski	38029 Murrieta Creek Dr Murrieta 92562	904-620-004	CA065106351	160722-CA-RA-R-20C	\$3,173.30	\$0.00	Χ	Х	\$3,173.30	\$317.33	\$95.20	\$3,585.83	\$686,206.00 Riv		
Galindo Garcia, Maria Garcia	81616 De Oro Ave Indio 92201	608-203-029	CA065108381	160812-CA-RA-R-10C	\$2,913.70	\$0.00	X	X	\$2,913.70	\$291.37	\$87.41	\$3,292.48	\$173,768.00 Riv		
Franklin Tarnoski Linda Jackson	38029 Murrieta Creek Dr Murrieta 92562 38032 Mulligan Dr Beaumont 92223	904-620-004 400-120-065	CA065107676 CA065107729	160812-CA-RA-R-15C 160826-CA-RA2-R-20C	\$693.16 \$4,571.94	\$0.00 \$0.00	X X	X X	\$693.16 \$4,571.94	\$69.32 \$457.19	\$20.79 \$137.16	\$783.27 \$5,166.29	\$686,206.00 Riv \$390,581.00 Riv		
Fran Cox, Richard Cox	26431 Cherry Hills BLVD Sun City 92586	337-182-007	CA065107729 CA065108380	160909-CA-RA-R-10C	\$4,571.94 \$1,545.88	\$0.00	X	X	\$4,571.94 \$1,545.88	\$457.19 \$154.59	\$46.38	\$5,166.29 \$1,746.85	\$132,188.00 Riv		
BeaAnn Avila	74131 Velardo Dr Palm Desert 92260	624-204-018	CA065110291	160916-CA-RA2-R-15C	\$2,129.48	\$0.00	X	X	\$2,129.48	\$212.95	\$63.88	\$2,406.31	\$138,823.00 Riv		
James Harris	21626 Mary St Perris 92570	315-201-020	CA065103688	161007-CA-RA2-R-20C	\$3,142.08	\$1,571.04		Χ	\$1,571.04	\$157.10	\$47.13	\$1,775.27	\$300,624.00 Riv		
Blanca Rojo	1867 Crane Ave San Jacinto 92583	438-502-004	CA065108554	161014-CA-RA-R-20C	\$2,191.72	\$0.00	X	X	\$2,191.72	\$219.17	\$65.75	\$2,476.64	\$312,464.00 Riv		M Oursel
Byung Rawn Irene Chavarin	240 Mary Ln Hemet 92543 13903 Pepper St Moreno Valley 92553	446-131-008	CA065110682	161014-CA-RA-R-20C 161202-CA-RA-R-20C	\$706.12 \$1.712.82	\$0.00 \$0.00	X X	X X	\$706.12 \$1.712.82	\$70.61 \$171.28	\$21.18 \$51.38	\$797.91 \$1,935.48	\$0.00 Riv \$107,562.00 Riv		VA Owned
Blanca Rojo	13903 Pepper St Moreno Valley 92553 1867 Crane Ave San Jacinto 92583	291-191-017 438-502-004	CA065111633 CA065113229	161202-CA-RA-R-20C 161216-CA-RA-R-15C	\$1,712.82 \$3,426.42	\$0.00 \$0.00	X	X	\$1,712.82 \$3,426.42	\$171.28 \$342.64	\$51.38 \$102.79	\$1,935.48 \$3,871.85	\$107,562.00 RN \$312,464.00 Riv		
Jeffrey Gutierrez, Jessica Longet	309 Country Club Blvd Lake Elsinore CA 92530	373-135-035	CA065113503	170120-CA-RA-R-15C	\$2,685.55	\$0.00	X	X	\$2,685.55	\$268.56	\$80.57	\$3,034.68	\$278,534.00 Riv		
Jose Castillo	85275 Cairo St Coachella 92236	778-151-007	CA065113822	170127-CA-RA-R-10C	\$927.36	\$0.00	Х	Χ	\$927.36	\$92.74	\$27.82	\$1,047.92	\$105,098.00 Riv	verside	
Sandra Schubert	34842 Lyn Ave Hemet 92545	465-240-042	CA065113940	170127-CA-RA-R-20C	\$1,712.74	\$0.00	Х	X	\$1,712.74	\$171.27	\$51.38	\$1,935.39	\$70,176.00 Riv		
Geoffrey Dipple	44448 San Juan Ave Palm Desert 92260	627-133-004	CA065111854	170303-CA-RA2-R-25C	\$4,072.32 \$1,080.33	\$2,036.16 \$540.11		X X	\$2,036.16 \$540.11	\$203.62 \$54.01	\$61.08 \$16.20	\$2,300.86	\$158,029.00 Riv		
Wayne Bratlien Francisca Vasquez, Juan Lopez	40636 Via Jalapa Murrieta 92562 31570 Avenida La Paloma Cathedral City 92234	947-530-056 678-222-023	CA065114312 CA065111505	170310-CA-RA3-R-10C 170317-CA-RA3-R-20C	\$1,080.22 \$2,157.50	\$540.11 \$0.00	Х	X X	\$540.11 \$2,157.50	\$54.01 \$215.75	\$16.20 \$64.73	\$610.32 \$2,437.98	\$280,462.00 Riv \$175,098.00 Riv		
Christian Hernandez, Raquel Tafoya	23236 Norrisgrove Ave Perris CA 92570	317-321-008	CA065115611	170421-CA-RA-HPR-R-15C	\$1,467.40	\$0.00	X	X	\$1,467.40	\$146.74	\$44.02	\$1,658.16	\$179,349.00 Riv		
Betty Hayner, John Hayner	21136 Denise Ct Wildomar CA 92595	368-262-009	CA065112944	170616-CA-RA2-HPRCA3-R-25C	\$2,630.08	\$0.00	X	X	\$2,630.08	\$263.01	\$78.90	\$2,971.99	\$181,268.00 Riv		
Barbara Markle	42502 Virginia Ave Palm Desert CA 92211	634-110-058	CA065116324	170629-CA-RA3-HPRCA2-R-15C	\$929.22	\$464.61		Х	\$464.61	\$46.46	\$13.94	\$525.01	\$275,953.00 Riv		
Patricia Sirvio	79429 Paseo Del Rey La Quinta CA 92253	604-440-004	CA065118999	170629-CA-RA3-HPR-R-10C	\$2,274.15	\$0.00	Χ	Х	\$2,274.15	\$227.42	\$68.22	\$2,569.79	\$481,910.00 Riv	erside/	

Owner Name	Situs Address	Tax Parcel Number	Participant ID	Bond Series	Levy Amount	Paid Amount	Delinque 1st	ent Installment 2nd	Delinquent Amount	Penalty [3]	Interest [4]	Total Delinguent	Total Assessed Value [1]	County Notes
Josh Ackerman, Shannon Ackerman	68460 Hacienda Ave Desert Hot Springs CA 92240	644-162-003	CA065114243	170629-CA-RA3-HPR-R-25C	\$2,737.72	\$0.00	X	X	\$2,737.72	\$273.77	\$82.13	\$3,093.62	\$210,494.00 Ri	verside
Randy Pryor, Tracy Pryor	80460 Moonshadow Dr Indio CA 92201	600-111-003	CA065119628	170714-CA-RA3-HPRCA2-R-15C	\$2,699.22	\$0.00	Х	Х	\$2,699.22	\$269.92	\$80.98	\$3,050.12	\$214,161.00 Ri	
Lisa Fielding-Lopez	1117 Golden Tree Ct C Corona CA 92879	111-373-047	CA065119325	170728-CA-RA3-HPRCA2-R-15C	\$1,103.90	\$551.95		Х	\$551.95	\$55.20	\$16.56	\$623.71	\$144,928.00 Ri	verside
Patricia Sirvio	79429 Paseo Del Rey La Quinta CA 92253	604-440-004	CA065122285	170929-CA-RA-HPR-R-10C	\$2,094.89	\$0.00	Х	X	\$2,094.89	\$209.49	\$62.85	\$2,367.23	\$481,910.00 Ri	
Jeffrey Gutierrez, Jessica Longet	309 Country Club Blvd Lake Elsinore CA 92530	373-135-035	CA065118163	170929-CA-RA-HPR-R-15C	\$1,418.59	\$0.00	X	X	\$1,418.59	\$141.86	\$42.56	\$1,603.01	\$278,534.00 Ri	
Evelia Sanchez Betty Adragna	67209 Mission DR Cathedral City CA 92234 15026 Le Gaye St Lake Elsinore CA 92530	677-383-016 379-140-082	CA065117212 CA065122387	171006-CA-RA-HPR-R-20C 171103-CA-RA-HPR-R-25C	\$1,842.50 \$6,185.78	\$0.00 \$0.00	X	X	\$1,842.50 \$6,185.78	\$184.25 \$618.58	\$55.28 \$185.57	\$2,082.03 \$6,989.93	\$74,057.00 Ri \$385,086.00 Ri	
Karyn Johnson-Dorsey	1509 Ransom Rd Riverside CA 92506	252-113-009	CA065123322	171208-CA-RA-HPR-R-15C	\$1,180.62	\$0.00	X	X	\$1,180.62	\$118.06	\$35.42	\$1,334.10	\$596,058.00 Ri	
Derrick Richardson, George Morgan, Amber Morgan	32331 Rock Rose Dr Lake Elsinore CA 92532	363-722-002	CA065121700	171208-CA-RA-HPR-R-25C	\$4,237.28	\$0.00	X	X	\$4,237.28	\$423.73	\$127.12	\$4,788.13	\$432,257.00 Ri	
James Cornell, Nancy Cornell	46205 Sacatan CIR Indian Wells CA 92210	623-291-003	CA065117401	171221-CA-HLP-LEF-HPR-R-25A	\$3,802.72	\$1,901.36		Х	\$1,901.36	\$190.14	\$57.04	\$2,148.54	\$922,934.00 Ri	
Alvin Wiese, Patricia Wiese	45451 Cielito DR Indian Wells CA 92210	633-502-002	CA065118795	171221-CA-HLP-LEF-HPR-R-25A	\$3,248.84	\$0.00	Х	Х	\$3,248.84	\$324.88	\$97.47	\$3,671.19	\$1,125,400.00 Ri	verside
Sandy Loeb	29775 Alicante Dr Romoland CA 92585	327-420-003	CA065122591	171222-CA-RA-HPR-R-25C	\$4,182.72	\$0.00	Х	X	\$4,182.72	\$418.27	\$125.48	\$4,726.47		
James Holston, Travis Holston, Terry Holston	26065 Musick RD Menifee CA 92584	360-160-010	CA065121647	180119-CA-RA-HPR-R-25C	\$4,444.88	\$2,222.44	٧,	X	\$2,222.44	\$222.24	\$66.67	\$2,511.35	\$255,556.00 Ri	
Jo Ann Roettgen Ruben Perez, Maria Perez	25497 Chicago Ave Hemet CA 92544 20973 Myron St Perris CA 92570	549-070-022 319-161-012	CA065124362 CA065124494	180126-CA-RA3-HPR-R-15CD 180202-CA-RA-HPR-R-10CD	\$1,649.82 \$2,449.26	\$0.00 \$0.00	X	X	\$1,649.82 \$2,449.26	\$164.98 \$244.93	\$49.49 \$73.48	\$1,864.29 \$2,767.67	\$228,348.00 Ri \$105,608.00 Ri	
Melissa Leahy, Vickie Rodriguez	33220 Schaper ST Lake Elsinore CA 92530	382-034-008	CA065124508	180202-CA-RA-HPR-R-15CD	\$2,141.62	\$0.00	X	X	\$2,141.62	\$214.16	\$64.25	\$2,420.03		
Darcy Levesque	1106 S Driftwood Dr Palm Springs CA 92264	508-393-010	CA065124273	180202-CA-RA-HPR-R-25CD	\$5,062.86	\$0.00	Х	Х	\$5,062.86	\$506.29	\$151.89	\$5,721.04	\$860,137.00 Ri	
Karyn Johnson-Dorsey	1509 Ransom Rd Riverside CA 92506	252-113-009	CA065123371	180216-CA-RA-HPR-R-15CD	\$1,853.18	\$0.00	Χ	Х	\$1,853.18	\$185.32	\$55.60	\$2,094.10	\$596,058.00 Ri	verside
David Vanvoorhis, Linda Vanvoorhis	3895 Roblyn St Riverside CA 92504	193-303-023	CA065124465	180309-CA-RA-HPR-R-25CD	\$2,124.38	\$0.00	Χ	Х	\$2,124.38	\$212.44	\$63.73	\$2,400.55	\$161,736.00 Ri	verside
Ezequiel Avalos, Nancy Pulido	7688 Hillside ST Corona CA 92881	277-042-022	CA065124827	180413-CA-RA-HPR-R-10CDE	\$1,922.04	\$961.02		X	\$961.02	\$96.10	\$28.83	\$1,085.95	\$220,506.00 Ri	
Eluterio Torres Pichard Slater, Margaret Slater	11355 Hubbard St Moreno Valley CA 92557	475-080-008	CA065124135	180427-CA-RA-HPR-R-25CDE	\$5,302.16 \$2,252.20	\$2,651.08	v	X	\$2,651.08 \$2,252.29	\$265.11	\$79.53 \$100.57	\$2,995.72 \$2,700.10		
Richard Slater, Margaret Slater William Barthold	29967 GULF STREAM DR Canyon Lake CA 92587 904 MONTCLAIR DR Banning CA 92220	351-184-011 535-213-032	CA065126342 CA065126887	180622-CA-RA-HPR-R-25CDE 180921-CA-RA-HPR-R-25DE	\$3,352.38 \$3,102.56	\$0.00 \$0.00	X	х У	\$3,352.38 \$3,102.56	\$335.24 \$310.26	\$100.57 \$93.08	\$3,788.19 \$3,505.90	\$284,720.00 Ri \$96,117.00 Ri	
Ann Bitzko	24268 ROBIE CT Moreno Valley CA 92551	485-182-037	CA065128349	190111-CA-RA-HPR-R-15EF	\$1,930.36	\$965.18	^	X	\$965.18	\$96.52	\$28.96	\$1,090.66	\$104,481.00 Ri	
Maria Munoz, Enrique Munoz	31251 LAS FLORES WAY Thousand Palms CA 92276	650-152-011	CA065128365	190118-CA-RA-HPR-R-25EF	\$3,358.18	\$1,679.09		X	\$1,679.09	\$167.91	\$50.37	\$1,897.37	\$126,000.00 Ri	
Manuel Barbosa, Enriqueta Barbosa	11104 SPAULDING RD RIVERSIDE CA 92505	142-341-002	CA065130514	200714-CA-RA-HPR-R-10FG	\$1,425.94	\$712.97		Х	\$712.97	\$71.30	\$21.39	\$805.66	\$225,176.00 Ri	verside
Larry Wyatt	16721 LEIANA CT RIVERSIDE CA 92503	140-250-007	CA065130553	200814-CA-RA-HPR-R-15FG	\$1,543.74	\$771.87		X	\$771.87	\$77.19	\$23.16	\$872.22	\$472,675.00 Ri	
Jesus Garcia, Reyna Garcia	24685 SUNNYRIDGE DR MORENO VALLEY CA 92557	475-351-005	CA065130794	200911-CA-RA-HPR-R-15FG	\$1,931.42	\$0.00	Х	X	\$1,931.42	\$193.14	\$57.94	\$2,182.50	\$256,982.00 Ri	
Fredy Rivera, Patricia Rivera	26761 Jade Tree Ter Moreno Valley CA 92555	487-561-039	CA065130976	201130-CA-RA-HPR-R-10G	\$4,110.34	\$2,055.17	٧,	X	\$2,055.17	\$205.52	\$61.66	\$2,322.35	\$533,201.00 Ri	
Brian Bargabus Fortunato Yambao, Janet Yambao	3501 Roselle St Oceanside 92056 14232 Merion Cir Valley Center 92082	166-702-01-00 189-330-08-00	RSD90392N-140717 RSD86654C-140820	150406-BE-R-03-15 150406-BE-R-04-20	\$2,631.84 \$5,576.32	\$0.00 \$2,788.16	Х	X	\$2,631.84 \$2,788.16	\$263.18 \$278.82	\$78.96 \$83.64	\$2,973.98 \$3,150.62	\$580,286.00 Sa \$673,013.00 Sa	-
John Park, Penelope Park	13442 Piping Rock Ln El Cajon 92021	401-202-38-00	RSD82829C-140924	150406-BE-R-04-20 150406-BE-R-04-20	\$2,249.22	\$0.00	Х	X	\$2,788.16	\$276.62	\$63.64 \$67.48	\$2,541.62	\$633,472.00 Sa	=
Faisal Beg, Zeelan Beg	7160 Skyline Dr San Diego 92114	581-290-10-00	RSD92159C-140702	150406-BE-R-04-20	\$1,166.36	\$583.18	**	X	\$583.18	\$58.32	\$17.50	\$659.00	\$324,482.00 Sa	5
Najiba Kouza, Shamoon Kouza	651 Singing Vista Way El Cajon 92019	515-120-13-00	RSD65327C-150416	150713-BE-WR-R-03-10C	\$5,238.32	\$2,619.16		Х	\$2,619.16	\$261.92	\$78.57	\$2,959.65	\$754,372.00 Sa	an Diego
Cynthia Hancock	5947 Carnegie St San Diego 92122	670-222-08-00	RSD68924N-150311	150713-BE-WR-R-03-10C	\$1,845.14	\$0.00	Χ	Х	\$1,845.14	\$184.51	\$55.35	\$2,085.00	\$95,522.00 Sa	an Diego
Barbara Alto, Raymond Alto	620 Pitman St Escondido 92027	225-500-14-00	RSD74687N-141230	150713-BE-WR-R-08-20B	\$3,182.38	\$0.00	Х	X	\$3,182.38	\$318.24	\$95.47	\$3,596.09	\$686,664.00 Sa	5
Carol Rodriguez, Joaquin Rodriguez	1120 Mullen Way Vista 92083	179-212-35-00	RSD57143N-150706	151022-BE-WR-R-03-10C	\$3,122.44	\$1,561.22		X	\$1,561.22	\$156.12	\$46.84 \$15.49	\$1,764.18	\$233,071.00 Sa \$86,455.00 Sa	=
Maria Souto Corrita Hughes	4504 Dawson Ave San Diego 92115 3185 L St San Diego 92102	466-631-12-00 545-302-13-00	RSD59630N-150615 RSD64004N-150430	151022-BE-WR-R-03-10C 151022-BE-WR-R-03-10C	\$1,032.48 \$3,765.50	\$516.24 \$0.00	x	X X	\$516.24 \$3,765.50	\$51.62 \$376.55	\$15.49 \$112.97	\$583.35 \$4,255.02		5
Norman Greene, Roberta Greene	5484 Toyon Rd San Diego 92115	461-441-03-00	RSD69314N-150307	151022-BE-WR-R-04-10B	\$8,071.54	\$4,035.77	Α	X	\$4,035.77	\$403.58	\$121.07	\$4,560.42	\$807,212.00 Sa	-
David Lance	16025 Vesper Rd Valley Center 92082	188-082-48-00	RSD57152A-150706	151022-BE-WR-R-07-20C	\$3,142.98	\$0.00	Х	X	\$3,142.98	\$314.30	\$94.29	\$3,551.57	\$950,000.00 Sa	-
Mark Livingston, Michelle Livingston	4432 Marraco Dr San Diego 92115	473-091-07-00	RSD49484N-150909	151022-BE-WR-R-07-20C	\$2,984.00	\$0.00	Х	Х	\$2,984.00	\$298.40	\$89.52	\$3,371.92	\$292,605.00 Sa	an Diego
Helen Pichler	8617 Louis Ln Santee 92071	384-390-15-00	RSD70049P-150228	151022-BE-WR-R-08-20B	\$4,165.56	\$2,082.78		Х	\$2,082.78	\$208.28	\$62.48	\$2,353.54	\$40,714.00 Sa	
Linda Stockdale	1243 Saxony Rd Encinitas 92024	254-353-14-00	RSD51149N-150827	160114-BE-WR-R-02-10C	\$1,676.71	\$0.00	Х	X	\$1,676.71	\$167.67	\$50.30	\$1,894.68		5
Patricia Sanders Lavern Mustafaa	2470 Daily Dr Fallbrook 92028 518 S 46th St San Diego 92113	101-552-09-00 547-572-21-00	RSD47438A-150925 RSD50033C-150904	160114-BE-WR-R-03-15C 160114-BE-WR-R-03-15C	\$2,932.22 \$3,490.18	\$1,466.11 \$0.00	v	X	\$1,466.11 \$3,490.18	\$146.61 \$349.02	\$43.98 \$104.71	\$1,656.70 \$3,943.91	\$722,243.00 Sa \$32,546.00 Sa	-
Albert Ye, Pingping Tian	40745 Via Ranchitos Fallbrook CA 92028	102-180-91-00	RSD55208N-150723	160114-BE-WR-R-04-20C	\$2,636.42	\$0.00	X	X	\$2,636.42	\$263.64	\$79.09		\$1,346,400.00 Sa	9
Caridad Duran	2125 FOOTHILL DR Vista CA 92084	177-033-43-00	RSD43652A-151103	160114-BE-WR-R-04-20C	\$2,003.31	\$0.00	Х	X	\$2,003.31	\$200.33	\$60.10	\$2,263.74		5
Lawson Johnson, Wilma Johnson	253 Rancho DR Chula Vista 91911	624-432-17-00	RSD39353A-160102	160512-BE-CA-RA2-R-07-15C	\$1,458.12	\$729.06		Х	\$729.06	\$72.91	\$21.87	\$823.84	\$156,931.00 Sa	an Diego
Linda Lutes	9221 Galston Dr Santee 92071	380-372-05-00	RSD44927P-151019	160512-BE-CA-RA2-R-08-20C	\$2,681.00	\$0.00	Χ	Х	\$2,681.00	\$268.10	\$80.43	\$3,029.53	\$60,191.00 Sa	-
Marcia Stoddard	2039 Red Coach LN Encinitas 92024	257-200-01-16	RSD43895N-151030	160512-BE-CA-RA-R-02-10C	\$1,738.28	\$869.14		X	\$869.14	\$86.91	\$26.07	\$982.12		-
Amy Degroot, John Dagostino	5106 Crown St San Diego 92110	436-252-20-00	RSD37472N-160126	160512-BE-CA-RA-R-02-10C	\$4,151.02	\$0.00	Х	X	\$4,151.02	\$415.10	\$124.53	\$4,690.65	\$100,735.00 Sa	-
David Gomes, Muriel Gomes Alfredo Patron, Rosamelia Lopez	3432 Cherokee AVE San Diego CA 92104 803 Corral Ct Bonita 91902	447-703-13-00 593-272-09-00	RSD49232N-150911 RSD41174N-151204	160512-BE-CA-RA-R-02-10C 160512-BE-CA-RA-R-02-10C	\$3,436.08 \$2,540.48	\$1,718.04 \$0.00	X	X X	\$1,718.04 \$2,540.48	\$171.80 \$254.05	\$51.54 \$76.21	\$1,941.38 \$2,870.74		=
Linda Stockdale	1243 Saxony Rd Encinitas 92024	254-353-14-00	RSD51149NB-150827	160512-BE-CA-RA-R-03-15C	\$5,771.63	\$0.00	X	X	\$5,771.63	\$577.16	\$173.15	\$6,521.94	\$599,079.00 Sa	-
Isabelle Dumont	9323 Darcy Ct Santee 92071	380-203-10-00	RSD44840A-151019	160512-BE-CA-RA-R-03-15C	\$3,195.02	\$1,597.51	•	Х	\$1,597.51	\$159.75	\$47.93	\$1,805.19	\$86,917.00 Sa	-
Patricia Bryant	748 Bird Rock Ave La Jolla CA 92037	357-383-23-00	RSD32513C-151110	160512-BE-CA-RA-R-04-20C	\$986.89	\$0.00	Х	Χ	\$986.89	\$98.69	\$29.61	\$1,115.19		_
Patricia Bryant	748 Bird Rock Ave La Jolla CA 92037	357-383-23-00	RSD43034C-151110	160512-BE-CA-RA-R-04-20C	\$4,624.66	\$0.00	X	X	\$4,624.66	\$462.47	\$138.74	\$5,225.87		_
Rocio Ramirez, Victor Ramirez	29733 Castleridge Rd Valley Center 92082	185-250-29-00	CA073106154	160513-CA-RA2-R-20C	\$3,258.76	\$0.00 \$1.575.20	Х	X	\$3,258.76 \$1,575.20	\$325.88	\$97.76 \$47.26	\$3,682.40	\$458,758.00 Sa	=
Emma Francis Marc Brown, Pamela Park-brown	612 Aladdin LN El Cajon 92019 1191 Neptune Dr Chula Vista 91911	511-423-08-00 620-203-02-00	CA073105699 CA073107170	160527-CA-RA-R-20C 160729-CA-RA-R-20C	\$3,150.40 \$3,242.08	\$1,575.20 \$0.00	Y	X Y	\$1,575.20 \$3,242.08	\$157.52 \$324.21	\$47.26 \$97.26	\$1,779.98 \$3,663.55	\$67,432.00 Sa \$377,845.00 Sa	-
Hye Oertly, Michael Oertly	1449 Sarasota Dr Borrego Springs 92004	200-241-02-00	CA073107170 CA073107627	160805-CA-RA2-R-20C	\$3,242.06 \$3,384.96	\$0.00	X	X	\$3,384.96	\$338.50	\$97.26 \$101.55	\$3,825.01	\$168,243.00 Sa	-
Dolores Arellano	3760 Acacia ST San Diego 92113	550-650-11-00	CA073108999	160819-CA-RA-R-10C	\$2,252.92	\$1,126.46	••	X	\$1,126.46	\$112.65	\$33.79	\$1,272.90		-
Patricia Bryant	748 Bird Rock Ave La Jolla CA 92037	357-383-23-00	CA073110196	160826-CA-RA2-R-15C	\$2,300.01	\$0.00	Х	Х	\$2,300.01	\$230.00	\$69.00	\$2,599.01	\$1,795,200.00 Sa	an Diego
Alex Garcia, Carmela Balistreri-Garcia, Renzo Garcia	4878 Longford St San Diego 92117	361-581-07-00	CA073109047	160902-CA-RA-R-20C	\$1,853.46	\$0.00	Х	Χ	\$1,853.46	\$185.35	\$55.60	\$2,094.41	\$476,866.00 Sa	-
Maria Wolf	10040 Scripps Vista WAY San Diego 92131	319-452-21-04	CA073109335	160916-CA-RA2-R-10C	\$2,588.78	\$1,294.39		X 	\$1,294.39	\$129.44	\$38.83	\$1,462.66		_
Antonina Swarez	181 Theresa WAY Chula Vista 91911	575-481-13-00	CA073110746	160923-CA-RA-R-10C	\$2,230.58	\$1,115.29		X	\$1,115.29 \$2,167.45	\$111.53	\$33.46	\$1,260.28		_
Alonzo Lathan Michael Zines, Nadine Zines	4936 Euclid Ct San Diego 92105 3319 Cabo CT Carlsbad 92009	477-710-37-00 223-240-13-00	CA073108042 CA073110099	160930-CA-RA-R-15C 170113-CA-RA2-R-15C	\$4,334.90 \$4,700.42	\$2,167.45 \$2,350.21		X X	\$2,167.45 \$2,350.21	\$216.75 \$235.02	\$65.02 \$70.51	\$2,449.22 \$2,655.74	\$95,977.00 Sa \$979,735.00 Sa	-
Alonzo Lathan	4936 Euclid Ct San Diego 92105	477-710-37-00	CA073110099 CA073113718	170113-CA-RA2-R-15C 170120-CA-RA-R-15C	\$3,767.24	\$1,883.62		X	\$1,883.62	\$188.36	\$70.51 \$56.51	\$2,055.74	\$95,977.00 Sa	_
Shirley Wingo	2326 San Pasqual Valley Rd Escondido 92027	234-261-06-00	CA073112552	170210-CA-RA-R-25C	\$5,045.60	\$0.00	Х	X	\$5,045.60	\$504.56	\$151.37	\$5,701.53	\$94,915.00 Sa	-
Cresencio Medrano	1243 Caren Rd Vista 92083	162-213-14-00	CA073115689	170317-CA-RA3-R-20C	\$3,276.86	\$1,638.43		Х	\$1,638.43	\$163.84	\$49.15	\$1,851.42	\$56,108.00 Sa	-
Deborah Tabor, Sandra Zarins	6443 Estelle St San Diego CA 92115	467-633-06-00	CA073113384	170324-CA-RA3-R-25C	\$7,743.20	\$0.00	Х	X	\$7,743.20	\$774.32	\$232.30	\$8,749.82	\$83,742.00 Sa	-
Santos Angulo	2005 Clearwater Pl Chula Vista CA 91913	595-203-06-00	CA073114754	170331-CA-RA3-R-15C	\$1,899.52	\$949.76		X	\$949.76	\$94.98	\$28.49	\$1,073.23	\$303,527.00 Sa	-
Patricia Bryant	748 Bird Rock Ave La Jolla CA 92037	357-383-23-00	CA073117017	170512-CA-RA3-HPR-R-10C	\$1,117.55	\$0.00	X	X	\$1,117.55	\$111.76	\$33.53	\$1,262.84		-
Delia Perez, Lucio Perez Patricia Bryant	361 Montcalm St Chula Vista CA 91911 748 Bird Rock Ave La Jolla CA 92037	639-140-06-00 357-383-23-00	CA073114987 CA073117022	170602-CA-RA3-HPR-R-15C 170616-CA-RA2-HPRCA4-R-20C	\$4,018.74 \$1,630.91	\$0.00 \$0.00	X	х У	\$4,018.74 \$1,630.91	\$401.87 \$163.09	\$120.56 \$48.93	\$4,541.17 \$1,842.93	\$97,401.00 Sa \$1,795,200.00 Sa	-
Herng Lee, Tso Ming Lee	2118 Twain Ave Carlsbad CA 92008	208-181-26-00	CA073117022 CA073117756	170714-CA-RA3-HPRCA4-R-20C	\$1,582.04	\$791.02	^	X	\$791.02	\$79.10	\$23.73		\$1,076,465.00 Sa	-
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Owner Name	Situs Address	Tax Parcel Number	Participant ID	Bond Series	Levy Amount	Paid Amount	Delinque 1st	ent Installment 2nd	Delinquent Amount	Penalty [3]	Interest [4]	Total Delinguent	Total Assessed Value [1]	Notes
L Maxine Taylor	636 Goetschl St San Diego CA 92114	549-532-32-00	CA073117780	170721-CA-RA3-HPR-R-10C	\$2,958.69	\$0.00	X	X	\$2,958.69	\$295.87	\$88.76	\$3,343.32	\$270,904.00 San Diego	
Richard Shrigley, Heidi Shrigley	7604 Romeria St Carlsbad 92009	223-120-21-00	CA073117501	170825-CA-RA-HPRCA4-R-20C	\$2,559.62	\$1,279.81		Х	\$1,279.81	\$127.98	\$38.39	\$1,446.18	\$462,497.00 San Diego	
David Gomes, Muriel Gomes	3432 Cherokee AVE San Diego CA 92104	447-703-13-00	CA073117866	170929-CA-RA-HPR-R-15C	\$1,311.82	\$655.91		Х	\$655.91	\$65.59	\$19.68	\$741.18	\$567,745.00 San Diego	
Jose Alvarez, Lucia Carrillo Alex Carrillo	159 Heritage St Oceanside CA 92058	160-400-14-00	CA073119661	170929-CA-RA-HPR-R-20C 171006-CA-RA-HPR-R-10C	\$4,644.06	\$0.00 \$1.485.44	Х	X	\$4,644.06	\$464.41 \$148.54	\$139.32 \$44.56	\$5,247.79 \$1.678.54	\$155,504.00 San Diego \$742,180.00 San Diego	
Anthony Dwinell, Diana Dwinell	378 Elm Ave Imperial Beach CA 91932 24312 Manzanita DR Descanso CA 91916	625-293-14-00 405-290-25-00	CA073118101 CA073119834	171006-CA-RA-HPR-R-10C 171006-CA-RA-HPR-R-15C	\$2,970.88 \$2,159.35	\$1,485.44	X	X	\$1,485.44 \$2,159.35	\$148.54 \$215.94	\$44.56 \$64.78	\$1,678.54	\$406,586.00 San Diego	
Maxine Taylor	636 Goetschl St San Diego CA 92114	549-532-32-00	CA073119061	171013-CA-RA-HPR-R-10C	\$1,362.65	\$0.00	X	X	\$1,362.65	\$136.27	\$40.88	\$1,539.80	\$270,904.00 San Diego	
Frank Ciurleo, Mary Ciurleo	11197 Susita Ct San Diego CA 92129	313-224-11-00	CA073118983	171027-CA-RA-HPR-R-15C	\$1,791.59	\$895.80		Х	\$895.79	\$89.58	\$26.87	\$1,012.24	\$722,393.00 San Diego	
Dawn Rogers, Daniel Anderson	1035 Colorado Ave Chula Vista CA 91911	618-090-20-00	CA073119080	171103-CA-RA-HPR-R-20C	\$6,131.48	\$0.00	Х	Х	\$6,131.48	\$613.15	\$183.94	\$6,928.57	\$318,587.00 San Diego	
Michelle Davis Anthony Dwinell, Diana Dwinell	183 Vance St Chula Vista CA 91910 24312 Manzanita DR Descanso CA 91916	569-231-04-00 405-290-25-00	CA073120377 CA073119676	171117-CA-RA-HPR-R-25C 171201-CA-RA-HPR-R-15C	\$3,167.06 \$4,676.13	\$1,583.53 \$0.00	Х	X X	\$1,583.53 \$4,676.13	\$158.35 \$467.61	\$47.51 \$140.28	\$1,789.39 \$5,284.02	\$649,070.00 San Diego \$406,586.00 San Diego	
Maria Anderson	532 Blue Bonnet CT National City CA 91950	669-210-09-00	CA073119676 CA073119602	180119-CA-RA-HPR-R-20C	\$3,836.58	\$0.00	X	X	\$3,836.58	\$383.66	\$140.28	\$4,335.34	\$70,779.00 San Diego	
Frank Ciurleo, Mary Ciurleo	11197 Susita Ct San Diego CA 92129	313-224-11-00	CA073121293	180126-CA-RA3-HPR-R-10CD	\$1,980.17	\$990.09		X	\$990.08	\$99.01	\$29.70	\$1,118.79	\$722,393.00 San Diego	
John Palizban	30811 Mesa Crest RD Valley Center CA 92082	129-080-49-00	CA073121272	180202-CA-RA-HPR-R-20CD	\$5,408.26	\$2,704.13		Х	\$2,704.13	\$270.41	\$81.12	\$3,055.66	\$553,097.00 San Diego	
Hisami Tippie	9469 CARLTON OAKS DR Santee CA 92071	381-472-27-00	CA073122986	180921-CA-RA-HPR-R-05DE	\$3,672.12	\$0.00	X	X	\$3,672.12	\$367.21	\$110.16	\$4,149.49	\$80,802.00 San Diego	
Caridad Duran Melissa Collins	2125 FOOTHILL DR Vista CA 92084 421 S Euclid Ave San Diego CA 92114	177-033-43-00 548-411-01-00	CA073123773 CA073125003	190322-CA-RA-HPR-R-25EF 191101-CA-RA-HPR-R-25F	\$3,753.35 \$3,000.00	\$0.00 \$0.00	X X	X X	\$3,753.35 \$3,000.00	\$375.34 \$300.00	\$112.60 \$90.00	\$4,241.29 \$3,390.00	\$770,436.00 San Diego \$104,874.00 San Diego	
Lirije Hoti, Liridon Hoti	12153 VIA ANTIGUA EL CAJON CA 92019	502-272-08-00	CA073125003 CA073125186	200110-CA-RA-HPR-R-15F	\$3,000.00	\$909.24	^	X	\$909.24	\$90.92	\$27.28	\$1,027.44	\$606,967.00 San Diego	
Demetrious Harmon	5562 LAS ALTURAS TER SAN DIEGO CA 92114	548-312-11-00	CA073125848	201130-CA-RA-HPR-R-10G	\$2,511.08	\$0.00	Х	X	\$2,511.08	\$251.11	\$75.33	\$2,837.52	\$56,336.00 San Diego	
Jesus Garza	2031 Lane St San Francisco CA 94124	5386 /033	CA075106844	180309-CA-RA-HPR-R-20CD	\$2,585.38	\$0.00	Х	Х	\$2,585.38	\$258.54	\$77.56	\$2,921.48	\$296,391.00 San Francisco	
Frank Stanich	311 Duncan Ave Stockton 95207	081-300-410-000	RSJ94427C-150305	150713-BE-WR-R-07-20C	\$2,217.60	\$0.00	Х	X	\$2,217.60	\$221.76	\$66.53	\$2,505.89	\$128,816.00 San Joaquin	
Dana Maynor Panjamin Niedort	130 E Mount Diablo AVE Tracy 95376	235-310-340-000	RSJ91289N-150827	151022-BE-WR-R-03-10C 160512-BE-CA-RA2-R-06-10C	\$1,759.62	\$879.81 \$0.00	X	X X	\$879.81	\$87.98 \$381.21	\$26.39 \$114.36	\$994.18 \$4,307.67	\$264,985.00 San Joaquin	
Benjamin Niedert Gloria Corral, Manuel Corral	9 B St Tracy 95376 153 N Powers AVE Manteca 95336	235-085-050-000 223-250-370-000	CA077104365 CA077104515	160603-CA-RA2-R-10C	\$3,812.10 \$225.00	\$0.00 \$112.50	Α	X	\$3,812.10 \$112.50	\$381.21 \$11.25	\$114.36	\$4,307.67 \$127.13	\$117,582.00 San Joaquin \$367,100.00 San Joaquin	
Frank Rojas, Rachel Rojas	804 Filbert St Stockton 95205	143-080-410-000	CA077104714	160617-CA-RA-R-15C	\$810.66	\$405.33		X	\$405.33	\$40.53	\$12.16	\$458.02	\$92,450.00 San Joaquin	
Jamal Mansour	2804 Hawkins Ct Tracy 95377	238-450-540-000	CA077104812	160909-CA-RA-R-10C	\$1,237.54	\$0.00	Χ	X	\$1,237.54	\$123.75	\$37.13	\$1,398.42	\$413,963.00 San Joaquin	
Wanda Hunt	1037 Wetherbee Ave Manteca 95337	241-055-130-000	CA077106100	161114-CA-RA-R-15C	\$998.34	\$499.17		Х	\$499.17	\$49.92	\$14.98	\$564.07	\$177,156.00 San Joaquin	
Aldreena Hendrix, Elijah Hendrix, Ijnanya Gilmore	756 Prairie Dunes DR Lathrop CA 95330	196-090-670-000	CA077105663	161114-CA-RA-R-25C	\$1,854.36	\$0.00 \$0.00	X X	X	\$1,854.36	\$185.44	\$55.63 \$59.01	\$2,095.43	\$289,738.00 San Joaquin	
Alejandro Valencia-Yepez, Maria Valencia Alejandro Valencia-Yepez, Maria Valencia	1817 Germain LN Stockton 95206 1817 Germain LN Stockton 95206	166-100-220-000 166-100-220-000	CA077105000 CA077105460	161118-CA-RA2-R-10C 161118-CA-RA2-R-20C	\$1,966.92 \$1,853.44	\$0.00	X	X	\$1,966.92 \$1,853.44	\$196.69 \$185.34	\$59.01 \$55.60	\$2,222.62 \$2.094.38	\$240,355.00 San Joaquin \$240,355.00 San Joaquin	
Florentino Melendrez	17 N Washington St Lodi 95240	043-073-050-000	CA077106358	170210-CA-RA-R-10C	\$3,263.60	\$0.00	X	X	\$3,263.60	\$326.36	\$97.91	\$3,687.87	\$127,626.00 San Joaquin	
Evelyn Wilson	2228 E Washington St Stockton CA 95205	153-201-040-000	CA077106572	170526-CA-RA2-HPR-R-10C	\$2,091.70	\$0.00	Χ	X	\$2,091.70	\$209.17	\$62.75	\$2,363.62	\$102,079.00 San Joaquin	
Albert Crispin, Julie Crispin	1659 S Olive Ave Stockton CA 95215	173-110-130-000	CA077107618	170714-CA-RA3-HPRCA2-R-15C	\$2,151.76	\$1,075.88		Х	\$1,075.88	\$107.59	\$32.28	\$1,215.75	\$244,109.00 San Joaquin	
Angela Spano	6513 El Capitan CIR Stockton CA 95210	094-320-550-000	CA077108121	170728-CA-RA3-HPRCA2-R-10C	\$1,861.32	\$930.66 \$0.00	Х	X X	\$930.66	\$93.07 \$196.88	\$27.92 \$59.06	\$1,051.65	\$249,519.00 San Joaquin	
Aldreena Hendrix, Elijah Hendrix, Ijnanya Gilmore Karen Yescas	756 Prairie Dunes DR Lathrop CA 95330 401 N Hewitt Rd Linden CA 95236	196-090-670-000 093-030-320-000	CA077107946 CA077108218	170811-CA-RA-HPR-R-25C 171027-CA-RA-HPR-R-25C	\$1,968.82 \$3,945.10	\$0.00	X	X	\$1,968.82 \$3,945.10	\$394.51	\$59.06 \$118.35	\$2,224.76 \$4,457.96	\$289,738.00 San Joaquin \$216,047.00 San Joaquin	
Kathryn Borges	207 Granada Way Tracy CA 95376	214-310-020-000	CA077109417	180112-CA-RA-HPR-R-15C	\$1,623.40	\$0.00	X	X	\$1,623.40	\$162.34	\$48.70	\$1,834.44	\$136,549.00 San Joaquin	
Angeles Paunon	8346 Neubourg Dr Stockton CA 95210	090-210-330-000	CA077109555	180126-CA-RA3-HPR-R-20CD	\$3,346.66	\$1,673.33		Х	\$1,673.33	\$167.33	\$50.20	\$1,890.86	\$109,883.00 San Joaquin	
Henry Armento	847 Nottingham Dr Manteca CA 95336	216-030-060-000	CA077109875	180420-CA-RA-HPR-R-25CDE	\$1,270.54	\$0.00	Χ	X	\$1,270.54	\$127.05	\$38.12	\$1,435.71	\$182,811.00 San Joaquin	
Carolyn Dishman, Billy Dishman Alberto Perales	223 S Locust AVE Ripon CA 95366 911 Lloyd ST Lodi CA 95240	259-274-110-000 047-430-490-000	CA077109850 CA077109807	180504-CA-RA-HPR-R-25CED 180525-CA-RA-HPR-R-15CDE	\$2,053.78 \$756.97	\$1,026.89 \$0.00	Х	X X	\$1,026.89 \$756.97	\$102.69 \$75.70	\$30.81 \$22.71	\$1,160.39 \$855.38	\$288,431.00 San Joaquin \$63,081.00 San Joaquin	
Alberto Perales	911 Lloyd ST Lodi CA 95240	047-430-490-000	CA077109807 CA077110095	180525-CA-RA-HPR-R-15CDE	\$1,114.75	\$0.00	X	X	\$1,114.75	\$111.48	\$33.44	\$1,259.67	\$63.081.00 San Joaquin	
Mary Miller	201 N Oro Ave Stockton CA 95215	143-340-170-000	CA077109241	180614-CA-HLP-LEF-HPR-R-25AB-1	\$1,166.66	\$583.33		Х	\$583.33	\$58.33	\$17.50	\$659.16	\$105,987.00 San Joaquin	
Georgianna Castro	10480 S Priest RD French Camp CA 95231	193-290-130-000	CA077109491	180713-CA-RA-HPR-R-20DCE	\$2,177.72	\$0.00	Χ	Х	\$2,177.72	\$217.77	\$65.33	\$2,460.82	\$219,111.00 San Joaquin	
Ofelia Bautista	1509 W HAZELTON AVE Stockton CA 95203	145-170-050-000	CA077110686	180907-CA-RA-HPR-R-25DE	\$2,688.34	\$1,344.17		X	\$1,344.17	\$134.42	\$40.33	\$1,518.92	\$138,863.00 San Joaquin	
Imelda Valdivia Robert Gibson, Veronica Gibson	2942 WAUSA WAY STOCKTON CA 95206 7120 SHARKON LN Stockton CA 95210	179-350-600-000 094-240-220-000	CA077110831 CA077110881	181005-CA-RA-HPR-R-25E 190125-CA-RA-HPR-R-25FE	\$1,132.08 \$1,963.46	\$566.04 \$981.73		X X	\$566.04 \$981.73	\$56.60 \$98.17	\$16.98 \$29.45	\$639.62 \$1,109.35	\$276,456.00 San Joaquin \$295,800.00 San Joaquin	
Vicente Lopez, Maria De Haro	21 ARGILLITE AVE Lathrop CA 95330	196-710-270-000	CA077110001 CA077111487	190802-CA-RA-HPR-R-10EF	\$3,161.74	\$1,580.87		X	\$1,580.87	\$158.09	\$47.43	\$1,786.39	\$610,800.00 San Joaquin	
Lydia Fisher	436 BLOSSOM DR RIPON CA 95366	259-550-510-000	CA077112085	200619-CA-RA-HPR-R-15FG	\$1,582.64	\$0.00	Х	Х	\$1,582.64	\$158.26	\$47.48	\$1,788.38	\$243,733.00 San Joaquin	
Ellamarie Fortenbach	225 Wellington Dr San Carlos 94070	049-321-190	RSM95522N-151116	160512-BE-CA-RA2-R-07-15C	\$4,698.75	\$2,349.38		Х	\$2,349.37	\$234.94	\$70.48		\$1,140,072.00 San Mateo	
Ellamarie Fortenbach	225 Wellington Dr San Carlos 94070	049-321-190	CA081104008	160520-CA-RA-R-20C	\$2,020.32	\$1,010.16		X	\$1,010.16	\$101.02	\$30.30		\$1,140,072.00 San Mateo	
Ellamarie Fortenbach Jiaxin Tan	225 Wellington Dr San Carlos 94070 134 Marbly Ave Daly City CA 94015	049-321-190 091-455-180	CA081104043 CA081104422	161209-CA-RA2-R-20C 171020-CA-RA-HPR-R-25C	\$4,059.23 \$782.67	\$2,029.62 \$391.34		X	\$2,029.61 \$391.33	\$202.96 \$39.13	\$60.89 \$11.74	\$2,293.46 \$442.20	\$1,140,072.00 San Mateo \$910,257.00 San Mateo	
Shami Ahuja	3150 High Meadow Ln San Jose 95135	660-06-067	RSC92003C-160208	160512-BE-CA-RA-R-02-10C	\$3,131.92	\$1,565.96		X	\$1,565.96	\$156.60	\$46.98	\$1,769.54	\$1,371,212.00 Santa Clara	
Sharlene Lopez	1402 WILLOWTREE CT San Jose CA 95118	451-02-095	CA085103433	181130-CA-RA-HPR-R-25E	\$1,492.60	\$0.00	Х	Х	\$1,492.60	\$149.26	\$44.78	\$1,686.64	\$96,423.00 Santa Clara	
Lae Khanthavong	16795 China Gulch Dr Anderson CA 96007	205-740-012-000	CA089101490	180504-CA-RA-HPR-R-20CED	\$4,446.96	\$0.00	Х	X	\$4,446.96	\$444.70	\$133.41	\$5,025.07	\$544,307.00 Shasta	
Robert Carter, Virginia Carter	34 Tarman Dr Cloverdale 95425	001-081-009-000	CA097102592	160610-CA-RA-R-20C	\$4,925.36	\$0.00	X	X	\$4,925.36	\$492.54	\$147.76	\$5,565.66 \$2,487.61	\$37,938.00 Sonoma	
Laurel Whittle Barbara Anchondo, Joseph Anchondo	2035 Moran Ave Modesto 95354 2605 Crommelin Ave Modesto 95350	034-017-007-000 005-041-074-000	RSL95126P-141124 RSL94886N-141228	150713-BE-WR-R-04-10B 150713-BE-WR-R-06-15B	\$3,086.38 \$158.76	\$0.00 \$0.00	X X	X Y	\$3,086.38 \$158.76	\$308.64 \$15.88	\$92.59 \$4.76	\$3,487.61 \$179.40	\$250,967.00 Stanislaus \$155,804.00 Stanislaus	
Norma Harck	2100 Olive Branch Dr Modesto 95351	037-012-030-000	RSL90131N-160105	160512-BE-CA-RA-R-03-15C	\$2,055.70	\$0.00	X	X	\$2,055.70	\$205.57	\$61.67	\$2,322.94	\$143,531.00 Stanislaus	
Sean Choy	1605 Delphine Ave Modesto 95350	054-005-013-000	RSL89276N-160307	160512-BE-CA-RA-R-04-20C	\$3,518.12	\$0.00	Χ	X	\$3,518.12	\$351.81	\$105.54	\$3,975.47	\$260,394.00 Stanislaus	
Bonnie Armond	1216 Moffett RD Modesto 95351	039-055-005-000	CA099106102	160603-CA-RA2-R-15C	\$2,102.72	\$0.00	Х	Χ	\$2,102.72	\$210.27	\$63.08	\$2,376.07	\$472,341.00 Stanislaus	
T. Adair Simmons	713 Thrasher Ave Modesto CA 95354	035-044-078-000	CA099106905	170324-CA-RA3-R-20C	\$2,609.68	\$0.00	Х	X	\$2,609.68	\$260.97	\$78.29	\$2,948.94	\$44,127.00 Stanislaus	
Kyle Yamashiro Victor John, Jason John	5747 Rose Brook Ct Riverbank CA 95367 3001 Park Royal Dr Ceres CA 95307	075-044-046-000 053-039-077-000	CA099107867 CA099107601	170331-CA-RA3-R-15C 170428-CA-RA3-HPR-R-15C	\$1,855.68 \$2,040.58	\$927.84 \$0.00	Х	X X	\$927.84 \$2,040.58	\$92.78 \$204.06	\$27.84 \$61.22	\$1,048.46 \$2,305.86	\$321,359.00 Stanislaus \$220,033.00 Stanislaus	
Michael Inderbitzin	302 N Santa Ana AVE Modesto 95354	108-011-014-000	CA099108283	170825-CA-RA-HPRCA4-R-20C	\$2,704.26	\$0.00	X	X	\$2,704.26	\$270.43	\$81.13	\$3,055.82	\$64,836.00 Stanislaus	
Kimberly Kuffel	3219 High St Riverbank CA 95367	132-004-020-000	CA099108996	171117-CA-RA-HPR-R-25C	\$1,928.02	\$0.00	Х	X	\$1,928.02	\$192.80	\$57.84	\$2,178.66	\$54,338.00 Stanislaus	
David Adams, Angela Adams	2429 Bordona Dr Riverbank CA 95367	075-051-044-000	CA099109163	171201-CA-RA-HPR-R-10C	\$2,805.58	\$0.00	Х	Х	\$2,805.58	\$280.56	\$84.17	\$3,170.31	\$226,494.00 Stanislaus	
Rosalio Perez, Oliva Perez	469 S WALTON AVE YUBA CITY CA 95993	057-150-079-000	CA101108775	200110-CA-RA-HPR-R-25F	\$1,601.64	\$0.00	X	X	\$1,601.64	\$160.16	\$48.05	\$1,809.85	\$395,352.00 Sutter	
Alice Nielsen, Glen Nielsen Leonard Gallow, Susan Gallow	16775 Oak Hollow DR Cottonwood 96022 2870 HARDEN AVE Corning CA 96021	007-580-035-000 091-070-061-000	RTC95960N-160301 CA103108939	160909-CA-RA-R-20C 181026-CA-RA-HPR-R-20E	\$3,106.96 \$3,552.38	\$0.00 \$0.00	X X	X X	\$3,106.96 \$3,552.38	\$310.70 \$355.24	\$93.21 \$106.57	\$3,510.87 \$4,014.19	\$64,848.00 Tehama \$395,352.00 Tehama	
Paul Taylor	588 N Lamar St Tulare 93274	168-045-019-000	CA103106939 CA107107270	160923-CA-RA-R-20C	\$3,352.36	\$0.00	X	X	\$3,332.36 \$1,464.64	\$146.46	\$43.94	\$1,655.04	\$141,236.00 Tulare	
Stephen Palermo	702 Court St Visalia 93277	097-025-002-000	CA107107137	161021-CA-RA-R-10C	\$1,654.88	\$0.00	Х	х	\$1,654.88	\$165.49	\$49.65	\$1,870.02	\$127,568.00 Tulare	
Margarita Ramirez, Silvano Ramirez	1135 N Linnell Ave Farmersville 93223	128-101-007-000	CA107107565	161209-CA-RA2-R-25C	\$2,002.98	\$1,001.49		Х	\$1,001.49	\$100.15	\$30.04	\$1,131.68	\$101,003.00 Tulare	
Monica Martinez-Martinez	4245 W Monte Vista Ave Visalia 93277	119-152-006-000	CA107107889	170317-CA-RA3-R-10C	\$1,768.44	\$0.00	X	X	\$1,768.44	\$176.84	\$53.05	\$1,998.33	\$148,553.00 Tulare	
Angelita Range, Kristen Range	2931 W Russell Ave Visalia CA 93277 2931 W Russell Ave Visalia CA 93277	121-470-013-000 121-470-013-000	CA107108044 CA107108074	170331-CA-RA3-R-15C 170602-CA-RA3-HPR-R-15C	\$1,172.27 \$1,317.45	\$0.00 \$0.00	X X	X	\$1,172.27 \$1,317.45	\$117.23 \$131.75	\$35.17 \$39.52	\$1,324.67 \$1,488.72	\$145,071.00 Tulare \$145,071.00 Tulare	
Angelita Range, Kristen Range Alberto Mendoza	519 S Santa Clara St Tulare CA 93274	121-470-013-000 175-382-007-000	CA10/1080/4 CA10/108514	170602-CA-RA3-HPR-R-15C 170811-CA-RA-HPRCA2-R-15C	\$1,317.45 \$1,110.96	\$0.00	X	×	\$1,317.45 \$1,110.96	\$131.75 \$111.10	\$39.52 \$33.33	\$1,488.72 \$1,255.39	\$145,071.00 Tutare \$69,201.00 Tutare	
					,_, 11 0.00	ψ0.00		**	+=,110.00	, 111,10	\$55.50	+=,=00.00	,, , , , , , , , , , , , , , , ,	

			1	1	1		Dalimania	ent Installment	Delinguent			Total	Total Assessed	
Owner Name	Situs Address	Tax Parcel Number	Participant ID	Bond Series	Levy Amount	Paid Amount	1st	2nd	Amount	Penalty [3]	Interest [4]	Delinguent	Value [1]	County Notes
Robert Myers	1747 Sonora Ave Tulare CA 93274	177-293-004-000	CA107108847	180614-CA-HLP-LEF-HPR-R-25AB-1	\$1,310.04	\$0.00	X	X X	\$1,310.04	\$131.00	\$39.30	\$1,480.34	\$122,288.00 Tulare	
Jackie Winter	780 GERRY LN PORTERVILLE CA 93257	247-250-035-000	CA107109634	181026-CA-RA-HPR-R-25E	\$1,645.90	\$822.95	Α	X	\$822.95	\$82.30	\$24.69	\$929.94	\$64,538.00 Tulare	
Dallas Joseph Reedom	12909 AVENUE 80 PIXLEY CA 93256	316-040-007-000	CA107110074	200221-CA-RA-HPR-R-25F	\$1,230.64	\$0.00	X	×	\$1,230.64	\$123.06	\$36.92	\$1,390.62	\$67,233.00 Tulare	
Arlene Hill	766 Wishard AVE Simi Valley 93065	636-0-133-025	RVT94508N-150812	160512-BE-CA-RA-R-04-20C	\$2,842.04	\$1.421.02	Α	X	\$1,421.02	\$142.10	\$42.63	\$1,605.75	\$94,402.00 Ventu	
Joan Gurney, Rex Gurney	2206 Jonesboro Ave Simi Valley 93063	650-0-063-125	CA111101176	160610-CA-RA-R-10C	\$6,501.57	\$0.00	χ	X	\$6,501.57	\$650.16	\$195.05	\$7.346.78	\$348.996.00 Ventu	
Joan Gurney, Rex Gurney	2206 Jonesboro Ave Simi Valley 93063	650-0-063-125	CA111101441	160909-CA-RA-R-20C	\$2,643.94	\$0.00	X	X	\$2,643.94	\$264.39	\$79.32	\$2,987.65	\$348.996.00 Ventu	
Edward Vinitsky	858 Calle Portilla Camarillo CA 93010	158-0-222-055	CA111102478	170331-CA-RA3-R-25C	\$5,353.63	\$2.676.82	^	X	\$2,676.81	\$267.68	\$80.30	\$3,024.79	\$475,793.00 Ventu	
Sara Pyle	1043 W Iris St Oxnard CA 93033	203-0-242-245	CA111103555	180302-CA-RA-HPR-R-25CD	\$1,181.54	\$0.00	Х	X	\$1,181.54	\$118.15	\$35.45	\$1,335.14	\$56,364.00 Ventu	
Roscoe Turner	1262 S VENTURA RD OXNARD CA 93033	203-0-012-075	CA111104245	200327-CA-RA-HPR-R-25F	\$2,855.59	\$1.427.80		X	\$1,427.79	\$142.78	\$42.83	\$1.613.40	\$77,548.00 Ventu	
Joel Banks	1196 Broken Spur Way Plumas Lake CA 95961	016-560-032-000	CA115108021	171215-CA-RA-HPR-R-20C	\$1,650.94	\$0.00	Х	Х	\$1,650.94	\$165.09	\$49.53	\$1,865.56	\$172,389.00 Yuba	
Richard Baker, Cherie Baker	1747 MCCARTHY AVE OLIVEHURST CA 95961	013-680-004-000	CA115108185	180824-CA-RA-HPR-R-25DE	\$2,544.48	\$0.00	Х	Х	\$2,544.48	\$254.45	\$76.33	\$2,875.26	\$158,174.00 Yuba	
					To	tal WRCOG-HEF	RO Resident	tial Delinquencies:	\$862,821.28	\$86,282.30	\$25,884.61	\$974,988.19		
								•						
Samas Commercial Assessments														
Anita Pendurthi, Ravindra Prasad Pendurthi	4097 TRAIL CREEK DR RIVERSIDE CA 92505	142-090-042	20140308-01	200225-WR-C-R-1	\$31,005.76	\$0.00	Х	Х	\$31,005.76	\$3,100.58	\$930.17	\$35,036.51	\$4,177,206.00 Rivers	side
World Harvest Church Corporation	630 W Latham Avenue Hemet 92543	443-181-034	20151113-01	200225-WR-C-R-1	\$6,931.54	\$3,465.77		Х	\$3,465.77	\$346.58	\$103.97	\$3,916.32	\$3,701,282.00 Rivers	side
						Total W	/RCOG-Sam	nas Delinquencies:	\$34,471.53	\$3,447.16	\$1,034.14	\$38,952.83		
Greenworks Commercial Assessments														
2108 Pico Owner LLC	2114 Pico Blvd Santa Monica, CA 90405	4273-004-003	8806-2	240517-GWL-8806-W	\$33,209.11	\$0.00	Χ	X	\$33,209.11	\$3,320.91	\$996.27	\$37,526.29	\$3,941,917.00 Los Ar	ngeles
Black Mitchell G, Black Deanne G	4889 Grange Rd Santa Rosa, CA 95404	049-160-097-000	4503	210217-GWL-4503-W	\$6,832.62	\$0.00	Χ	Х	\$6,832.62	\$683.26	\$204.98	\$7,720.86	2,033,264 Sonor	ma
						Total WRCO	G-Greenwor	rks Delinquencies:	\$40,041.73	\$4,004.17	\$1,201.25	\$45,247.15		
Twain Commercial Assessments														
Temecula Hotel Partners Old Town LLC	41934 3rd St, 41935 3rd St and 286909-28696 Front St Temecula Ca 92590	922-043-002	Truax-1	20191218-WR-TC-25	\$14,843.40	\$0.00	Х	X	\$14,843.40	\$1,484.34	\$445.30	\$16,773.04	\$635,187.00 Rivers	
Temecula Hotel Partners Old Town LLC	41934 3rd St, 41935 3rd St and 286909-28696 Front St Temecula Ca 92590	922-043-003	Truax-2	20191218-WR-TC-25	\$7,621.86	\$0.00	Х	X	\$7,621.86	\$762.19	\$228.66	\$8,612.71	\$317,003.00 Rivers	
Temecula Hotel Partners Old Town LLC	41934 3rd St, 41935 3rd St and 286909-28696 Front St Temecula Ca 92590	922-043-004	Truax-3	20191218-WR-TC-25	\$22,064.98	\$0.00	Х	X	\$22,064.98	\$2,206.50	\$661.95	\$24,933.43	\$952,783.00 Rivers	
Temecula Hotel Partners Old Town LLC	41934 3rd St, 41935 3rd St and 286909-28696 Front St Temecula Ca 92590	922-043-015	Truax-4	20191218-WR-TC-25	\$14,843.40	\$0.00	Х	X	\$14,843.40	\$1,484.34	\$445.30	\$16,773.04	\$635,188.00 Rivers	
Temecula Hotel Partners Old Town LLC	41934 3rd St, 41935 3rd St and 286909-28696 Front St Temecula Ca 92590	922-043-018	Truax-5	20191218-WR-TC-25	\$14,843.40	\$0.00	Х	Х	\$14,843.40	\$1,484.34	\$445.30	\$16,773.04	\$635,188.00 Rivers	·····
Temecula Hotel Partners Old Town LLC	41934 3rd St, 41935 3rd St and 286909-28696 Front St Temecula Ca 92590	922-043-023	Truax-6	20191218-WR-TC-25	\$23,869.84	\$0.00	Х	X	\$23,869.84	\$2,386.98	\$716.10	\$26,972.92	+-,,	
Temecula Hotel Partners Old Town LLC	41934 3rd St, 41935 3rd St and 286909-28696 Front St Temecula Ca 92590	922-043-024	Truax-7	20191218-WR-TC-25	\$16,648.28	\$0.00	Х	Х	\$16,648.28	\$1,664.83	\$499.45	\$18,812.56		
Temecula Hotel Partners Old Town LLC	41934 3rd St, 41935 3rd St and 286909-28696 Front St Temecula Ca 92590	922-043-025	Truax-8	20191218-WR-TC-25	\$10,330.20	\$0.00	Х	Х	\$10,330.20	\$1,033.02	\$309.91	\$11,673.13	\$436,691.00 Rivers	
Temecula Hotel Partners Old Town LLC	41934 3rd St, 41935 3rd St and 286909-28696 Front St Temecula Ca 92590	922-044-017	Truax-9	20191218-WR-TC-25	\$17,735.96	\$0.00	Х	Х	\$17,735.96	\$1,773.60	\$532.08	\$20,041.64	\$952,783.00 Rivers	
Temecula Hotel Partners Old Town LLC	41934 3rd St, 41935 3rd St and 286909-28696 Front St Temecula Ca 92590	922-044-020	Truax-10	20191218-WR-TC-25	\$11,957.54	\$0.00	Х	X	\$11,957.54	\$1,195.75	\$358.73	\$13,512.02		
Landwin DMV LLC	1540 Manley Dr San Gabriel, CA 91776	5360-019-075	Curio-1	20210422-WR-TC-CUR-30	,	\$229,679.90		Х	\$229,679.89	\$22,967.99	\$6,890.40		\$75,491,087.00 Los Ar	
Landwin DMV LLC	1540 Manley Dr San Gabriel, CA 91776	5360-019-075	Curio-2	20210422-WR-TC-CUR-30	,	\$229,679.90		X	\$229,679.89	\$22,967.99	\$6,890.40	,	\$75,491,087.00 Los Ar	g
Landwin DMV LLC	1540 Manley Dr San Gabriel, CA 91776	5360-019-075	Curio-3	20210422-WR-TC-CUR-30		\$229,679.90		X	\$229,679.89	\$22,967.99	\$6,890.40		\$75,491,087.00 Los Ar	5
Landwin DMV LLC	101 W Valley Blvd San Gabriel, CA 91776	5360-019-075	Curio-4	20210422-WR-TC-CUR-30	,	\$229,679.90		Х	\$229,679.89	\$22,967.99	\$6,890.40		\$75,491,087.00 Los Ar	
Landwin DMV LLC	111 W Valley Blvd San Gabriel, CA 91776	5360-019-075	Curio-5	20210422-WR-TC-CUR-30	,	\$229,679.90		X	\$229,679.89	\$22,967.99	\$6,890.40		\$75,491,087.00 Los Ar	9
Landwin DMV LLC	1549 S Del Mar Ave San Gabriel, CA 91776	5360-019-075	Curio-6	20210422-WR-TC-CUR-30	\$459,359.81	\$229,679.91		X	\$229,679.90	\$22,967.99	\$6,890.40		\$75,491,087.00 Los Ar	ngeles Original Parcel number was 5360-019-024
						Total V	WRCOG-Twa	ain Delinquencies:	\$1,532,838.21	\$153,283.83	\$45,985.18	\$1,732,107.22		

 $[\]hbox{[1] Assessed values based on 2024 data for all counties except Mariposa as that data is not available as of 8/10/2024}\\$

^[2] Delinquency data as of 8/10/2024.

^[3] Penalty based on 10% of the delinquent assessment.

^[4] Interest calculated based on 1.5% of the delinquent assessment per month from July 1, 2024 through August 31, 2024.

^[5] Includes parcels in historically Teeter counties that may be removed from the final file.



Western Riverside Council of Governments Joint Meeting of the WRCOG Executive Committee and Supporting Foundation

Staff Report

Subject: Amendment to the Appendix of the WRCOG Conflict of Interest Code

Contact: Janis Leonard, Administrative Services Manager, <u>ileonard@wrcog.us</u>, (951) 405-

6702

Date: September 9, 2024

Recommended Action(s):

 Adopt WRCOG Resolution Number 26-24; A Resolution of the Executive Committee of the Western Riverside Council of Governments Amending the Conflict of Interest Code Pursuant to the Political Reform Act of 1974.

Summary:

The Political Reform Act (the "Act") requires all state and local agencies to adopt and maintain a Conflict of Interest Code establishing the rules for disclosure of personal assets and the prohibition from making or participating in making governmental decisions that may affect any personal assets. The Conflict of Interest Code must specifically designate all agency positions, except those listed in Government Code section 87200, that make or participate in the making of decisions and assign specific types of personal assets to be disclosed that may be affected by the exercise of powers and duties of that position.

The Act further requires that an agency regularly review and update its Code as necessary when directed by the code-reviewing body or when change is necessitated by changed circumstances (Sections 87306 and 87306.5).

Purpose / WRCOG 2022-2027 Strategic Plan Goal:

The purpose of this item is to request approval of an amendment to the Conflict of Interest Code. This item aligns with WRCOG's 2022-2027 Strategic Plan Goal #3 (Ensure fiscal solvency and stability of the Western Riverside Council of Governments).

Discussion:

Background

Pursuant to the Act, WRCOG adopted a Conflict of Interest Code, in which the complete Code was last updated and approved by the Riverside County Board of Supervisors in 2021. Review of the Code

shows that it must be amended to include revised titles of existing positions, delete titles of positions that have been abolished and/or positions that no longer make or participate in making governmental decisions, and clarify real property disclosure.

At the direction of the Executive Committee in 2022, WRCOG solicited a Classification and Compensation Study to analyze WRCOG's staff classifications and compensation levels to ensure that classifications were consistent with similar agencies and compensation was in line with the market median. Koff & Associates was selected to conduct the Study. After performing the Study, amongst other matters, Koff & Associates recommended changes to some existing staff titles and the addition of classifications.

Present Situation

WRCOG is required to update its Code every other even-numbered year; there were no changes made in 2022. As a result of changes to titles and the addition of classifications as an outcome of the Study by Koff & Associates, new job descriptions were drafted and ultimately finalized in June 2023, thereby triggering an amendment to the list of Designated Positions.

Attached is a redline version of the proposed amended Code showing the revisions being made to the Conflict of Interest Code.

Prior Action(s):

<u>August 14, 2024</u>: The Administration & Finance Committee recommended that the Executive Committee adopt Resolution Number 26-24; A Resolution of the Executive Committee of the Western Riverside Council of Governments Amending the Conflict of Interest Code Pursuant to the Political Reform Act of 1974.

Financial Summary:

The actions of this item create no fiscal impact.

Attachment(s):

Attachment 1 - Notice of Intention to amend Conflict of Interest Code

Attachment 2 - Legislative version of Conflict of Interest Code

Attachment 3 - Final version of Conflict of Interest Code

Attachment 4 - Resolution Number 26-24 Amending Conflict of Interest Code

<u>Attachment</u>

Notice of Intention to amend Conflict of Interest Code

NOTICE OF INTENTION TO AMEND THE CONFLICT OF INTEREST CODE OF THE WESTERN RIVERSIDE COUNCIL OF GOVERNMENTS

NOTICE IS HEREBY GIVEN that the Executive Committee of the Western Riverside Council of Governments ("WRCOG") intends to amend WRCOG's Conflict of Interest Code (the "Code") pursuant to Government Code section 87306.

The Appendix of the Code designates those employees, members, officers, and consultants who make or participate in the making of decisions and are subject to the disclosure requirements of WRCOG's Code. WRCOG's proposed amendment includes revision of titles of existing positions and delete titles of positions that have been abolished and/or positions that no longer make or participate in making governmental decisions and clarify real property disclosure.

The proposed amended Code will be considered by the Executive Committee on September 9, 2024, at 2:00 p.m. at the Riverside County Administrative Center – Board Hearing Room, 4080 Lemon Street, Riverside, California. Any interested person may be present and comment at the public meeting or may submit written comments concerning the proposed amendment. Any comments or inquiries should be directed to the attention of Janis Leonard, Administrative Services Manager, Western Riverside Council of Governments, 3390 University Ave., Suite 200, Riverside, CA 92501-3315; (951) 405-6702. Written comments must be submitted no later than September 9, 2024, at 2:00 p.m.

The proposed amended Code may be reviewed at, and copies obtained from, the office of the Administrative Services Manager, during regular business hours.

<u>Attachment</u>

Legislative version of Conflict of Interest Code

CONFLICT OF INTEREST CODE

OF THE

WESTERN RIVERSIDE COUNCIL OF GOVERNMENTS

CONFLICT OF INTEREST CODE OF THE WESTERN RIVERSIDE COUNCIL OF GOVERNMENTS

(Amended September 9, 2024)

The Political Reform Act, (Gov. Code § 81000, et seq.), requires state and local government agencies to adopt and promulgate conflict of interest codes. The Fair Political Practices Commission has adopted a regulation (2 Cal. Code of Regs. § 18730), that contains the terms of a standard conflict of interest code which can be incorporated by reference in an agency's code. After public notice and hearing Section 18730 may be amended by the Fair Political Practices Commission to conform to amendments in the Political Reform Act. Therefore, the terms of 2 California Code of Regulations section 18730 and any amendments to it duly adopted by the Fair Political Practices Commission are hereby incorporated by reference. This incorporation page, Regulation 18730 and the attached Appendix designating positions and establishing disclosure categories, shall constitute the Conflict of Interest Code of the Western Riverside Council of Governments ("WRCOG").

All officials and designated positions required to submit a statement of economic interests shall file their statements with the **Administrative Services Manager** as WRCOG's Filing Officer. The **Administrative Services Manager** shall make and retain a copy of all statements filed by Members of the Executive Committee, the Executive Director and the Treasurer, and forward the originals of such statements to the Clerk of the Board of Supervisors. The **Administrative Services Manager** shall retain the originals of the statements of all other officials and designated positions and make all retained statements available for public inspection and reproduction during regular business hours. (Gov. Code Section 81008.)

APPENDIX

CONFLICT OF INTEREST CODE

OF THE

WESTERN RIVERSIDE COUNCIL OF GOVERNMENTS

(Amended September 9, 2024)

PART "A"

OFFICIALS WHO MANAGE PUBLIC INVESTMENTS

WRCOG Officials who manage public investments, as defined by 2 Cal. Code of Regs. § 18700.3(b), are NOT subject to WRCOG's Code, but must file disclosure statements under Government Code Section 87200 et seq. [Regs. § 18730(b)(3)] These positions are listed here for informational purposes only.

It has been determined that the positions listed below are officials who manage public investments¹:

Executive Committee Members, including ex-officio non-voting members

Executive Director

Treasurer

Chief Financial Officer

Investment Consultant

Individuals holding one of the above-listed positions may contact the Fair Political Practices Commission for assistance or written advice regarding their filing obligations if they believe that their position has been categorized incorrectly. The Fair Political Practices Commission makes the final determination whether a position is covered by § 87200.

DESIGNATED POSITIONS GOVERNED BY THE CONFLICT OF INTEREST CODE

DESIGNATED POSITIONS' TITLE OR FUNCTION	DISCLOSURE CATEGORIES ASSIGNED
[Position reclassified to Program Specialist]	
Administrative Services Director	5
Administrative Services Manager	5
Deputy Executive Director	1, 2
Director (ALL)) [Positions Consolidated]	4
[Positions Consolidated]	
[Positions Consolidated]	
[Positions Consolidated]	
General Counsel	1, 2
Program Manager (ALL) [Positions Consolidated]	4
) [Positions Consolidated]	
Analyst (ALL)	5
Program Specialist (ALL)	5

MEMBERS OF BOARDS, COMMITTEES AND COMMISSIONS

DESIGNATED POSITIONS' TITLE OR FUNCTION	DISCLOSURE CATEGORIES ASSIGNED
Finance Directors Committee	1, 2
Planning Directors Committee	2, 3, 5
Public Works Committee	2, 3, 5
Solid Waste Committee	2, 5
Technical Advisory Committee	1, 2

Consultants and New Positions²

² Individuals serving as a consultant as defined in FPPC Reg 18700.3(a) or in a new position created since this Code was last approved that makes or participates in the making of decisions must file under the broadest disclosure set forth in this Code subject to the following limitation:

The Executive Director may determine that, due to the range of duties or contractual obligations, it is more appropriate to assign a limited disclosure requirement. A clear explanation of the duties and a statement of the extent of the disclosure requirements must be in a written document. (Gov. Code Sec. 82019; FPPC Regulations 18219 and 18734.). The Executive Director's determination is a public record and shall be retained for public inspection in the same manner and location as this Conflict of Interest Code. (Gov. Code Sec. 81008.)

PART "B"

DISCLOSURE CATEGORIES

The disclosure categories listed below identify the types of economic interests that the designate position must disclose for each disclosure category to which the designated is assigned.³ "Investment" means financial interest in any business entity (including a consulting business or other independent contracting business) and are reportable if they are either located in or doing business in the jurisdiction, are planning to do business in the jurisdiction, or have done business during the previous two years in the jurisdiction of WRCOG.

<u>Category 1</u>: All investments and business positions in business entities, and sources of income, including gifts, loans and travel payments, that are located in, do business in or that own real property in the jurisdiction of WRCOG.

<u>Category 2:</u> All interests in real property which is located in whole or in part within, or not more than two (2) miles outside, the jurisdiction of WRCOG, including any leasehold, beneficial or ownership interest or option to acquire property.

<u>Category 3</u>: All investments and business positions in business entities, and sources of income, including gifts, loans and travel payments, that are engaged in land development, construction or the acquisition or sale of real property in within the jurisdiction of WRCOG.

<u>Category 4</u>: All investments and business positions in business entities, and sources of income, including gifts, loans and travel payments, that provide services, products, materials, machinery, vehicles or equipment of a type purchased or leased by WRCOG.

<u>Category 5</u>: All investments and business positions in business entities, and sources of income, including gifts, loans and travel payments, that provide services, products, materials, machinery, vehicles or equipment of a type purchased or leased by the designated position's department, unit or division.

-APP. B-1-

BBK – August 2024

This Conflict of Interest Code does not require the reporting of gifts from outside this agency's jurisdiction if the source does not have some connection with or bearing upon the functions or duties of the position. (Reg. 18730.1)

<u>Attachment</u>

Final version of Conflict of Interest Code

CONFLICT OF INTEREST CODE

OF THE

WESTERN RIVERSIDE COUNCIL OF GOVERNMENTS

CONFLICT OF INTEREST CODE OF THE WESTERN RIVERSIDE COUNCIL OF GOVERNMENTS

(Amended September 9, 2024)

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APPENDIX

CONFLICT OF INTEREST CODE OF THE WESTERN RIVERSIDE COUNCIL OF GOVERNMENTS

(Amended September 9, 2024)

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Administrative Services Manager	5
Deputy Executive Director	1, 2
Director (ALL)	4
General Counsel	1, 2
Program Manager (ALL)	4
Analyst (ALL)	5
Program Specialist (ALL)	5

MEMBERS OF BOARDS, COMMITTEES AND COMMISSIONS

DESIGNATED POSITIONS' TITLE OR FUNCTION	DISCLOSURE CATEGORIES ASSIGNED
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Planning Directors Committee	2, 3, 5
Public Works Committee	2, 3, 5
Solid Waste Committee	2, 5
Technical Advisory Committee	1, 2
Consultants and New Positions ²	

²Individuals serving as a consultant as defined in FPPC Reg 18700.3(a) or in a new position created since this Code was last approved that makes or participates in the making of decisions must file under the broadest disclosure set forth in this Code subject to the following limitation:

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BBK – August 2024

³This Conflict of Interest Code does not require the reporting of gifts from outside this agency's jurisdiction if the source does not have some connection with or bearing upon the functions or duties of the position. (Reg. 18730.1)

<u>Attachment</u>

Resolution Number 26-24; A
Resolution of the Executive
Committee of the Western Riverside
Council of Governments amending
the Conflict of Interest Code pursuant
to the Political Reform Act of 1974

RESOLUTION NUMBER 26-24

A RESOLUTION OF THE EXECUTIVE COMMITTEE OF THE WESTERN RIVERSIDE COUNCIL OF GOVERNMENTS AMENDING THE CONFLICT OF INTEREST CODE PURSUANT TO THE POLITICAL REFORM ACT OF 1974

WHEREAS, the Western Riverside Council of Governments ("WRCOG") is a joint powers authority consisting of the County of Riverside and 18 cities, the Eastern Municipal Water District, the Western Municipal Water District, and the Riverside County Superintendent of Schools, situated in Western Riverside County; and

WHEREAS, the State of California enacted the Political Reform Act of 1974, Government Code Section 81000 et seq. (the "Act"), which contains provisions relating to conflicts of interest which potentially affect all officers, employees and consultants of the Western Riverside Council of Governments ("WRCOG") and requires all public agencies to adopt and promulgate a Conflict of Interest Code; and

WHEREAS, the Executive Committee adopted a Conflict of Interest Code (the "Code") for WRCOG which was amended on November 1, 2021, in compliance with the Act; and

WHEREAS, subsequent changed circumstances within WRCOG have made it advisable and necessary pursuant to Sections 87306 and 87307 of the Act to amend and update WRCOG's Code; and

WHEREAS, the potential penalties for violation of the provisions of the Act are substantial and may include criminal and civil liability, as well as equitable relief which could result in WRCOG being restrained or prevented from acting in cases where the provisions of the Act may have been violated; and

WHEREAS, notice of the time and place of a public meeting on, and of consideration by the Executive Committee, the proposed amended Code was provided each affected designated position and publicly posted for review at the Western Riverside Council of Governments offices, 3390 University Ave., Suite 200, Riverside, California; and

WHEREAS, a public meeting was held upon the proposed amended Code at a regular meeting of the Executive Committee of WRCOG on September 9, 2024, at which all present were given an opportunity to be heard on the proposed amended Code.

NOW THEREFORE, BE IT RESOLVED by the Executive Committee of the Western Riverside Council of Governments as follows:

<u>Section 1.</u> The Executive Committee does hereby adopt the proposed amended Conflict of Interest Code, a copy of which is attached hereto and shall be on file with the Administrative Services Manager and available to the public for inspection and copying during regular business hours.

<u>Section 2.</u> The said amended Code shall be submitted to the Board of Supervisors of the County of Riverside for approval.

<u>Section 3.</u> The said amended Code shall become effective immediately upon approval by the Riverside County Board of Supervisors.

PASSED AND ADOPTED by the Executive Committee of the Western Riverside Council of Governments on September 9, 2024.

Rita Rogers, 0	Chair	 Dr. Kurt W	ilson, Secretary
	cutive Committee	WRCOG E	Executive Committee
A	. f		
Approved as t	o form:		
Steven DeBau WRCOG Lega			
AYES:	NAYS:	ABSENT:	ABSTAIN:



Western Riverside Council of Governments Joint Meeting of the WRCOG Executive Committee and Supporting Foundation

Staff Report

Subject: Overview of the TUMF Nexus Study - Final Draft

Contact: Chris Gray, Deputy Executive Director, cgray@wrcog.us, (951) 405-6710

Date: September 9, 2024

Recommended Action(s):

1. Approve the TUMF Nexus Study.

2. Approve the recommended Fee Schedule with an effective date of April 1, 2025.

Summary:

The TUMF Nexus Study draws a connection between the needs of the Program and the TUMF Program Fee Schedule. The Nexus Study identifies projects requiring mitigation from new development, determines anticipated project costs, and assesses fees to fund these projects. Analysis through transportation modeling work has determined a list of projects eligible for mitigation. Staff released the draft for a 30-day review / comment period. These comments have been addressed by WRCOG staff and responses have been provided to everyone who provided comments. The final draft is now being presented for approval.

Purpose / WRCOG 2022-2027 Strategic Plan Goal:

The purpose of this item is to present the final draft of the TUMF Nexus Study. This effort aligns with WRCOG's 2022-2027 Strategic Plan Goal #5 (Develop projects and programs that improve infrastructure and sustainable development in our subregion).

Discussion:

Background

At its October 4, 2021, meeting, the Executive Committee gave direction for staff to begin work on a Nexus Study update. The Nexus Study identifies projects requiring mitigation from new development and determines what the cost of those projects will be and which fees need to be assessed to fund these projects. Nexus Study updates have occurred on a regular basis with updates done in 2005, 2009, 2011, and 2017.

The key reasons for a Nexus Study update include the following:

- It is considered a best practice to update on a regular basis
- · Underlying growth forecasts have changed since the last update
- Travel behavior has changed, particularly viewed in light of COVID-19
- The project list has changed, with past projects completed and new projects identified
- Opportunity to add new project types, such as Intelligent Transportation System (ITS) infrastructure

Present Situation

The draft Nexus Study satisfies the needs of the Mitigation Fee Act (AB 1600) which governs imposing development impact fees in California. The draft Nexus Study confirms the following, as per AB 1600 rules:

- 1. Establish a nexus or reasonable relationship between the development impact fee's use and the type of project for which the fee is required.
- 2. The fee must not exceed the project's proportional "fair share" of the proposed improvement and cannot be used to correct current problems or to make improvements for existing development.

This draft Nexus Study describes the various assumptions, data inputs, and analysis leading to the determination of each major variable in the TUMF calculation, and ultimately leads to the determination of the TUMF Schedule of Fees and the maximum "fair share" fee for each of the various use types defined in the TUMF Program. These two primary outputs are included in the draft Nexus Study and represent the two main components of the Nexus Study. The final Nexus Study is provided as Attachment 1 to this Staff Report.

The first output of the draft Nexus Study is the TUMF Network Cost Estimates (Table 4.4 of Attachment 1). This list includes all the infrastructure projects included in the TUMF Program. These infrastructure projects include road widening, interchanges, bridges, grade separations, transit projects, and ITS projects. Each project in this list is on the TUMF Regional System of Highways and Arterials (Network), and will have potential TUMF funding. Eligible projects would include those that, due to congestion, have a need to be mitigated. This mitigation could be adding a lane to a road, widening a bridge, or improving an interchange. The Nexus Study also determines how much of the mitigation need is being caused by traffic from new development. From these calculations a total eligible funding figure is presented on each project, also known as a 'maximum TUMF share.' This figure represents the maximum amount of TUMF funding that the local agency can request to be allocated towards one of its projects.

The second output of the Nexus Study is the TUMF Fee Schedule. The total cost to mitigate the TUMF Network is divided among the different types of developments in proportion to their expected traffic impacts. TUMF groups the various land use categories to simplify the administration of the Program. The main uses are Single-family Residential, Multi-family Residential, Service, Retail, and Industrial. The Fee Schedule represents the maximum fee permissible under California law for the purposes of the TUMF Program.

Consistent with the requirements of AB 602, WRCOG will be implementing a tiered approach to calculate and collect fees for single-family units based on the size of the unit itself. This tiered approach will use the final adopted Single-Family fee as a basis for these tiers. For example, a smaller home will pay a fee

which is less than the standard Single-Family fee while a larger home will be a higher fee. The exact values of these tiers will not be known until the Single-Family fee is finalized. The actual process by which these tiers are implemented is shown in the TUMF Fee Calculation Handbook, which is one of the main TUMF governance documents. The TUMF Fee Calculation Handbook, along with other TUMF governance documents, will be updated prior to the implementation of any increase in TUMF.

<u>Public Comment</u>: The public comment period for the Draft Nexus Study opened on May 13, 2024; informational meetings were held on May 21, 2024, and June 4, 2024. The comment period closed on June 10, 2024, though WRCOG has continued to accept comments after the closing of the comment period.

A total of 13 letters were received with 42 separate comments. Comments were received from:

- · City of Corona
- · City of Eastvale
- · City of Lake Elsinore
- City of Moreno Valley
- · City of Perris
- · City of Riverside
- · City of San Jacinto
- Habitat for Humanity
- Riverside County, Transportation Land Use Management Agency
- Southern California Building Industry Association (BIA)
- Mr. McCarthy (City of Riverside resident)
- Ms. Dooley (City of Jurupa Valley resident)
- Ms. Marshal (City of Jurupa Valley resident)

All parties who commented were provided with a written response during the week of July 29, 2024. Some key comments that were received included:

- Specific questions on the inclusion or exclusion of specific projects The majority of the questions
 we received from our member agencies were in relation to the amount of funding for projects in the
 jurisdiction in question. Where appropriate, adjustments were made to the roadway network in
 response to these comments.
- Comments regarding the negative impacts of warehouses Several residents commented that
 warehouses have negative impacts related to noise, air quality, road maintenance and other
 related items. WRCOG responded that many of these impacts are outside of the TUMF Program
 jurisdiction and those comments are best addressed to their local agency.
- Impact of SB 743 Several commenters questioned whether the TUMF program could continue to fund roadway projects after the implementation of SB 743, which requires projects to evaluate their impacts to the environment using VMT as a metric. WRCOG noted that SB 743 is applicable to CEQA documents only, and has no impact on fee programs such as TUMF.
- One commenter asked that we reduce TUMF fees on affordable housing project. WRCOG's
 response was that these projects are currently exempt from TUMF and therefore any changes in
 the TUMF fees would not impact these types of projects.

All of the comments and WRCOG's responses are provided in Attachment 2 to this Staff Report.

Next Steps

The Executive Committee is being asked to take two separate actions. The first action will be to approve the Nexus Study. The second action will be to set the Fee Schedule for each land use type. Traditionally, setting the fee schedule also requires determining a date at which the new fees become effective. Attachment 3 provides the recommended Fee Schedule with a recommended effective date of April 1, 2025.

The Public Works Committee, Administration & Finance Committee, and Technical Advisory Committee (TAC) have all recommended that the Executive Committee approve the Nexus Study and implement the Fee Schedule with one change. The members of the TAC voted to adopt the Fee Schedule as proposed by staff with the exception of the retail fee, which they recommended to be frozen at the current rate \$7.72.

If the Executive Committee adopts the Nexus Study and Updated Fee Schedule, the following actions will be required to implement the updated fees:

- WRCOG staff and BBK must develop an updated draft TUMF Ordinance and distribute this
 document to each WRCOG member agency staff and its legal counsel for review. This process
 generally takes 1 2 months.
- Member agency staff are then responsible for scheduling action by their elected body to formally adopt this ordinance. This adoption process must follow the requirements of state law and generally takes 2 3 months. Staff anticipates that any formal action by member agencies would occur in mid- to late-November or December. For consistency purposes, staff asks that each elected governing board (City Council / Board of Supervisors) from TUMF participating agencies adopt the ordinance with an effective date several months later than the action to allow a transition period between the old fee and new fee.
- WRCOG staff will also be working to update administrative and technical documents such as the TUMF Administrative Plan, the TUMF Fee Calculation Handbook, and the TUMF Fee Calculator, as well as the online TUMF Payment Portal. As noted above, the adjustment to the Single-Family fee based on the size of individual units will be implemented through the TUMF Fee Calculation Handbook. These updates will require approval by WRCOG Committees, occurring in Q1 2025.

Assuming all of this work proceeds on schedule, new fees will become effective on consistent dates amongst all member agencies. At this time, WRCOG is recommending that the updated Fee Schedule become effective April 1, 2025. This period of time allows for all of the necessary technical, administrative, and legal steps necessary and also provides an opportunity for extensive outreach with the development community to ensure that this transition to the new fee schedule is as orderly as possible.

Prior Action(s):

<u>August 15, 2024</u>: The Technical Advisory Committee recommended that the Executive Committee adopt the TUMF Nexus Study and the recommended Fee Schedule but freeze the retail fee at its current level.

August 14, 2024: The Administration & Finance Committee recommended that the Executive

Committee adopt the TUMF Nexus Study and the recommended Fee Schedule.

<u>August 8, 2024</u>: The Public Works Directors recommended that the Executive Committee adopt the TUMF Nexus Study and the recommended Fee Schedule.

August 8, 2024: The Planning Directors received and filed.

May 6, 2024: The Executive Committee released the draft Nexus Study for a 30-day review and comment period.

April 18, 2024: The Technical Advisory Committee received and filed.

April 11, 2024: The Public Works Committee recommended that the Executive Committee release the draft Nexus Study for a 30-day review and comment period.

April 11, 2024: The Planning Directors Committee's recommended that the Executive Committee release the draft Study for a 30-day review and comment period.

April 10, 2024: The Administration & Finance Committee recommended that the Executive Committee release the draft Study for a 30-day review and comment period.

February 15, 2024: The Technical Advisory Committee received and filed.

February 14, 2024: The Administration & Finance Committee received and filed.

February 8, 2024: The Public Works Committee received and filed.

December 14, 2023: The Public Works Committee received and filed.

October 12, 2023: The Public Works Committee received and filed.

August 10, 2023: The Public Works Committee received and filed.

June 8, 2023: The Public Works Committee received and filed.

April 13, 2023: The Public Works Committee approved the updated TUMF Nexus Study Roadway Network.

July 11, 2022: The Executive Committee received and filed.

March 17, 2022: The Technical Advisory Committee received and filed.

March 10, 2022: The Public Works Committee received and filed.

October 4, 2021: The Executive Committee gave direction to 1) begin work on a TUMF Nexus Study update; 2) update the TUMF Administrative Plan to expand the TUMF-eligible project list to include Intelligent Transportation Systems projects; 3) work with the Riverside County Transportation

Commission and Riverside Transit Agency to evaluate options to mitigate VMT impacts from new development outside of the TUMF Nexus Study update; and 4) begin work on an update of the Analysis of Development Impact Fees in Western Riverside County.

Financial Summary:

Funding for TUMF activities is included in the Fiscal Year 2024/2025 budget under the TUMF Program (1148) in the General Fund (110). 4% of all TUMF collections are allocated for administrative purposes.

Attachment(s):

Attachment 1 - TUMF Nexus Study Final Draft

Attachment 2 - WRCOG Responses to Public Comments

Attachment 3 - Recommended Fee Schedule

Attachment

TUMF Nexus Study - Final Draft



TRANSPORTATION UNIFORM MITIGATION FEE NEXUS STUDY 2024 UPDATE

FINAL REPORT

Prepared for the Western Riverside Council of Governments

In Cooperation with

The City of Banning

The City of Beaumont

The City of Calimesa

The City of Canyon Lake

The City of Corona

The City of Eastvale

The City of Hemet

The City of Jurupa Valley

The City of Lake Elsinore

The City of Menifee

The City of Moreno Valley

The City of Murrieta

The City of Norco

The City of Perris

The City of Riverside

The City of San Jacinto

The City of Temecula

The City of Wildomar

The County of Riverside

Eastern Municipal Water District

March Joint Powers Authority

Riverside County Superintendent of Schools

Riverside Transit Agency

Western Water

Prepared by GHD

FINAL DRAFT July 25, 2024





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ES.O EXECUTIVE SUMMARY

ES.1 Introduction and Purpose of the Nexus Study

Western Riverside County includes 18 incorporated cities and the unincorporated county covering an area of approximately 2,100 square miles. Through the mid 2000's, this portion of Riverside County was growing at a pace exceeding the capacity of existing financial resources to meet increasing demand for transportation infrastructure. Although the economic recession of the late 2000's, and the associated crises in the mortgage and housing industries, slowed this rate of growth, the regional economy has recovered and the projected rate of development in Western Riverside County remains high. Similarly, the impact of the COVID-19 pandemic on travel demand in the region has also passed, with travel demands, especially for the highway network, surpassing pre-pandemic levels. Continued high growth in households and jobs in Western Riverside County could significantly increase congestion and degrade mobility if substantial investments are not made in transportation infrastructure. This challenge is especially critical for arterial roadways of regional significance, since traditional sources of transportation funding (such as the gasoline tax and local general funds) will not be nearly sufficient to fund the needed improvements.

In February 1999, the cities of Temecula, Murrieta and Lake Elsinore, the Western Riverside Council of Governments (WRCOG), the Riverside County Transportation Commission (RCTC) and the Building Industry Association (BIA) met to discuss the concept of a Transportation Uniform Mitigation Fee (TUMF) for southwest Riverside County. In August 2000, the concept was expanded to include the entire WRCOG subregion.

Continued high growth in households and jobs in Western Riverside County could significantly increase congestion and degrade mobility if substantial investments are not made in transportation infrastructure. This challenge is especially critical for arterial roadways of regional significance, since traditional sources of transportation funding (such as the gasoline tax and local general funds) will not be nearly sufficient to fund the needed improvements. While the TUMF cannot fund all necessary transportation system improvements, it is intended to address a current transportation funding shortfall by establishing a new revenue source that ensures future new development will contribute toward addressing its indirect cumulative traffic impacts on regional transportation infrastructure. Funding accumulated through the TUMF Program will be used to construct transportation improvements such as new arterial highway lanes, reconfigured freeway interchanges, railroad grade separations and new regional express bus services that will be needed to accommodate future travel demand in Western Riverside County. By levying a fee on new developments in the region, local agencies will be establishing a mechanism by which developers and in turn new county residents and employees will effectively contribute their "fair share" toward sustaining the regional transportation system.

This TUMF Draft Nexus Study is intended to satisfy the requirements of California Government Code Chapter 5 Section 66000-66008 Fees for Development Projects (also

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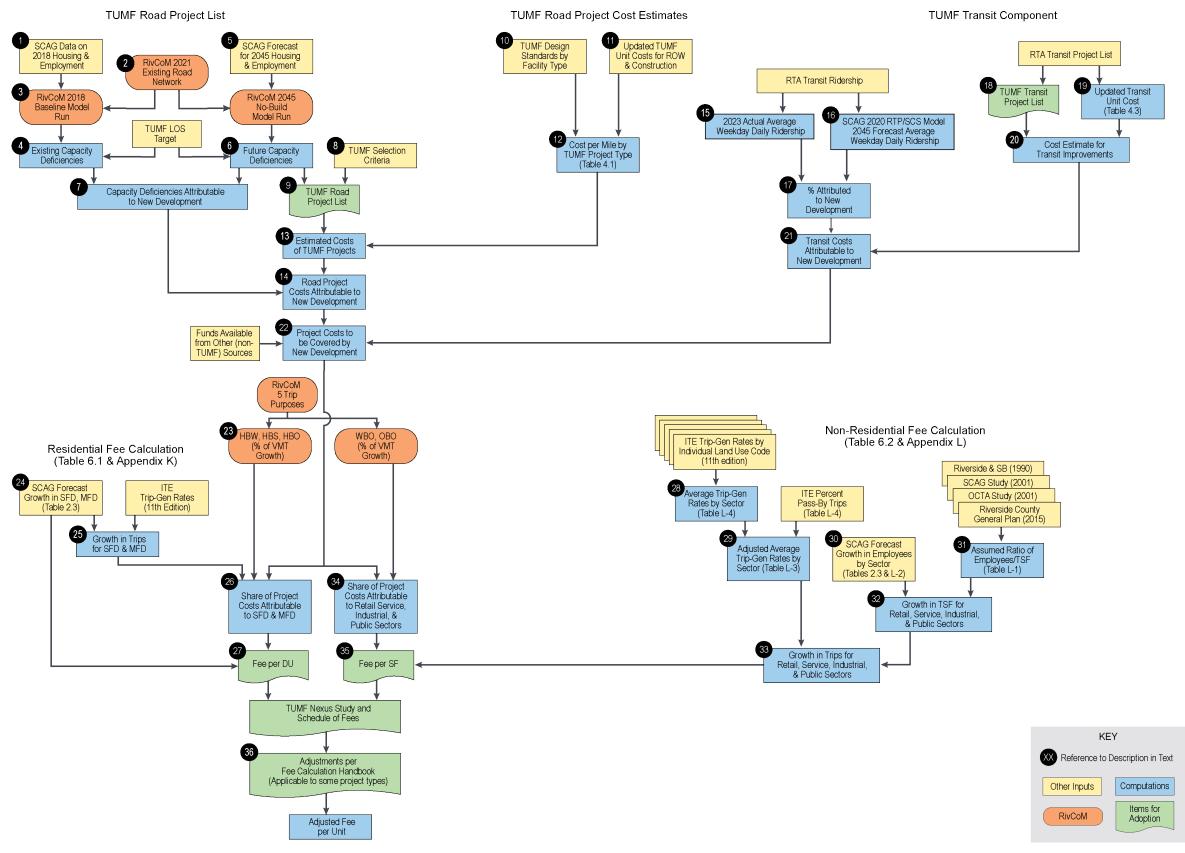
known as California Assembly Bill 1600 (AB 1600) or the Mitigation Fee Act) which governs imposing development impact fees in California. The initial WRCOG TUMF Nexus Study was completed in October 2002 and adopted by the WRCOG Executive Committee in November 2002. The results of the first review of the Program were documented in the TUMF Nexus Study 2005 Update adopted by the WRCOG Executive Committee on February 6, 2006. A second comprehensive review of the TUMF Program was adopted by the WRCOG Executive Committee on October 5, 2009. A third comprehensive review of the TUMF Program was conducted following the adoption of the Southern California Association of Governments (SCAG) 2016-2040 Regional Transportation Plan/ Sustainable Communities Strategy (2016 RTP/SCS) on April 7, 2016. The WRCOG TUMF Nexus Study 2016 Update Report was adopted by the WRCOG Executive Committee on July 10, 2017.

On September 3, 2020, SCAG adopted Connect SoCal; The 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy of the Southern California Association of Governments (2020 RTP/SCS). The adoption of the 2020 RTP/SCS confirmed new growth forecasts for the region that provide a foundational element for updating the TUMF program and the associated nexus determination prompting WRCOG to initiate the current program update. These forecasts are also integrated into the Riverside County Transportation Analysis Model (RivCoM) used to forecast the cumulative regional traffic impacts of new development on the arterial highway network in Western Riverside County.

The overall process for establishing the TUMF nexus is illustrated in Figure ES.1. Each technical step is denoted with a number on the flow chart with the numbers correlating to the detailed description of each step provided in Section 1.3 of the Nexus Study Report. The flow chart also incorporates color coding of the steps to indicate those steps that involved the application of RivCoM, steps that utilized other input data, steps that are computations of various inputs, and steps that required specific actions of the various WRCOG committees to confirm major variables. Where appropriate, the flow chart also includes specific cross references to the sections or tables included in the Nexus Study document that correlate to the particular step.

This version of the WRCOG TUMF Nexus Study Report documents the results of the fourth comprehensive review of the TUMF Program. This version of the document also incorporates revisions in response to comments received during the formal review of the earlier Draft TUMF Nexus Study 2024 Update. The findings of this report were ultimately adopted by the WRCOG Executive Committee on TBD.

Figure ES.1 - Flowchart of Key Steps in the TUMF Nexus Study Process



WRCOG TUMF Nexus Study – 2024 Program Update DRAFT July 25, 2024

ES.2 Future Growth

In preparation for the 2020 RTP/SCS, SCAG undertook robust stakeholder engagement, including participation by WRCOG, Riverside County and the various cities in Western Riverside County, to develop regional demographic forecasts. Using input from regional stakeholders regarding anticipated patterns and rates of development, SCAG compiled and disseminated the forecasts that were ultimately adopted in 2020. The SCAG forecasts adopted for the 2020 RTP/SCS were subsequently used as the basis for RivCoM and are used as the basis for this TUMF Nexus Study Update.

A major distinction between data used for the TUMF Nexus Study 2016 Update and the SCAG 2020 RTP/SCS data used for this 2024 Update is the change in the base year from 2012 to 2018, as well as the change in the horizon year from 2040 to 2045. This shift in the base year and horizon year demographic assumptions of the program carries through all aspects of the nexus analysis, including the travel demand forecasting, network review and fee calculation.

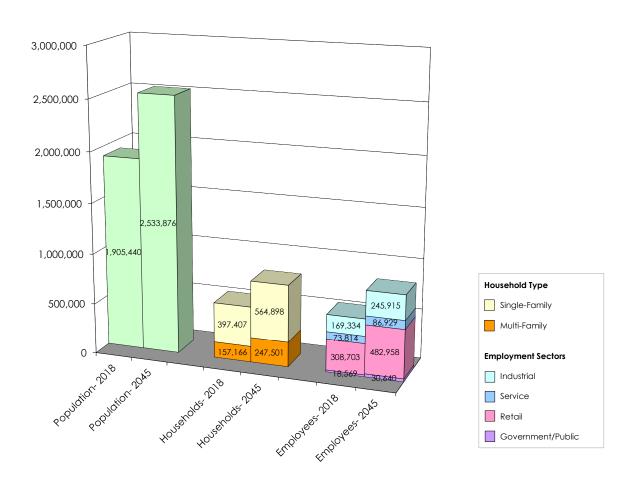
The population of Western Riverside County is projected to increase by 33% in the period between 2018 and 2045. During the same period, employment in Western Riverside County is anticipated to grow by 48%. **Figure ES.2** illustrates the forecast growth in population, household and employment for Western Riverside County.

ES.3 Need for the TUMF

The WRCOG TUMF study area was extracted from the greater RivCoM model network for the purpose of calculating measures for Western Riverside County only. Peak period performance measures for the TUMF study area included total vehicle miles of travel (VMT), total vehicle hours of travel (VHT), total combined vehicle hours of delay (VHD), and total VMT experiencing unacceptable level of service (LOS E).

As a result of the new development and associated growth in population and employment in Western Riverside County, additional pressure will be placed on the transportation infrastructure, particularly the arterial roadways, with the peak period VMT on the TUMF Network estimated to increase by 38% between 2018 and 2045. By 2045, 37% of the total VMT on the TUMF Network is forecast to be traveling on facilities experiencing peak period LOS E or worse. Without improvements to the arterial highway system, the total vehicle hours of delay (VHD) experienced by area motorists on the TUMF Network will increase over 5.0% per year. The need to improve these roadways and relieve future congestion is therefore directly linked to the future development which generates the travel demand.

Figure ES.2 - Population, Households and Employment in Western Riverside County (2018 to 2045)



As population and employment in Western Riverside County grows because of new development, demand for regional transit services in the region is also expected to grow. Weekday system ridership for RTA bus transit services is approximately 16,575 riders per day in Western Riverside County in 2023. By 2045, bus transit services are forecast to serve approximately 57,282 riders per weekday. This represents an average increase of 1,850 weekday riders each year. Based on this rate of ridership growth, weekday ridership is estimated to increase by 40,707 riders per weekday between 2018 and 2045.

The idea behind a uniform mitigation fee is to have new development throughout the region contribute equally to paying the cost of improving the transportation facilities that serve these longer-distance trips between communities. Thus, the fee should be used to improve transportation facilities that serve trips between communities within the region (primarily arterial roadways) as well as the infrastructure for public transportation. The fee should be assessed proportionately on new residential and non-residential development based on the relative impact of each use on the transportation system.

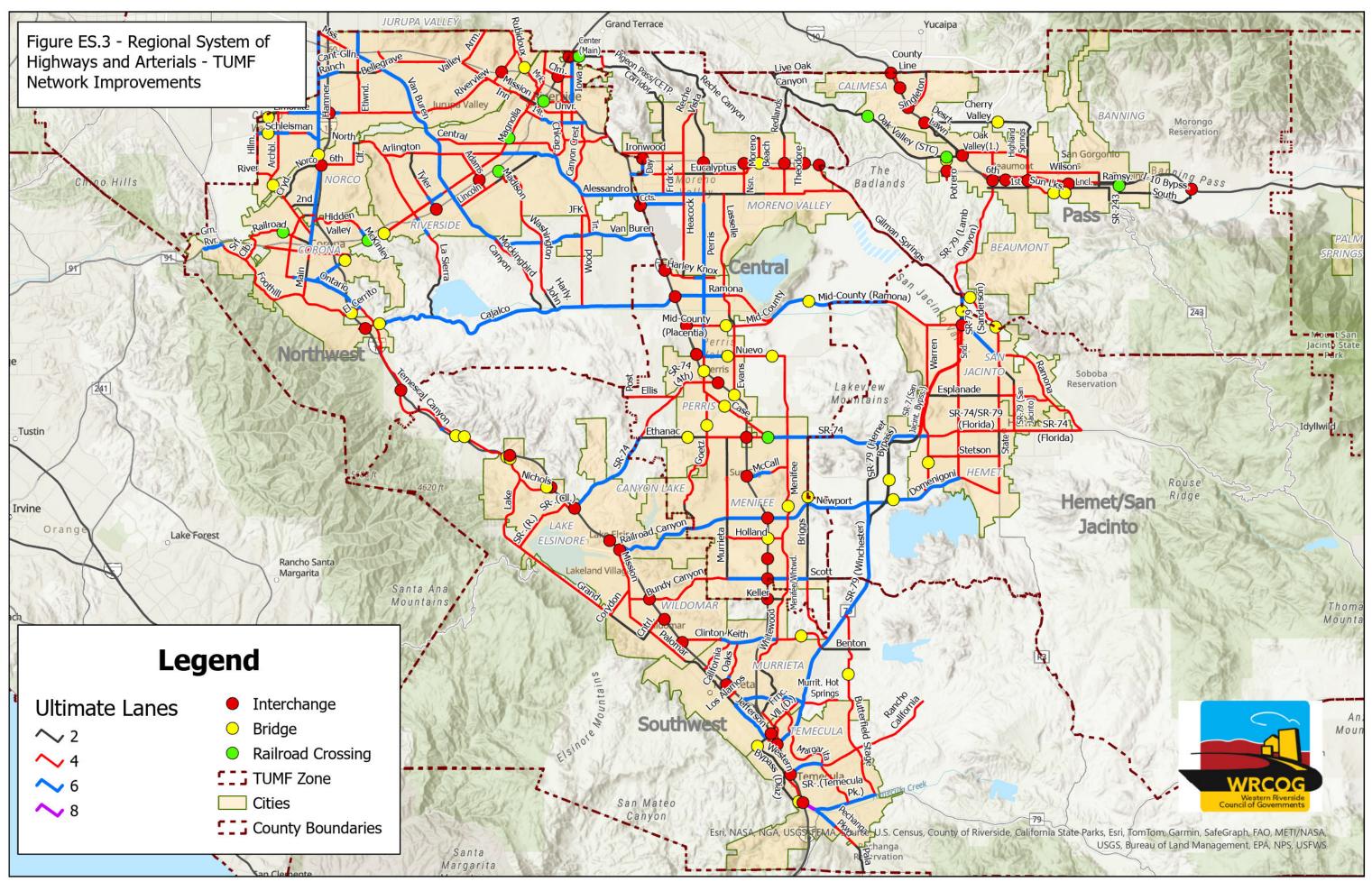
ES.4 The TUMF Network

The Regional System of Highways and Arterials (also referred to as the TUMF Network) is the system of roadways that serve inter-community trips within Western Riverside County and therefore are eligible for improvement funding with TUMF funds. Transportation facilities in Western Riverside County that generally satisfied these guidelines were initially identified, and a skeletal regional transportation framework evolved from facilities where several guidelines were observed. Representatives of all WRCOG constituent jurisdictions reviewed this framework in the context of current local transportation plans to define the TUMF Network, which was subsequently endorsed by the WRCOG Public Works Committee, WRCOG Technical Advisory Committee, TUMF Policy Committee and the WRCOG Executive Committee.

The TUMF Network was reviewed as part of the 2024 Nexus Update to ensure facilities generally still met the previously described performance guidelines, and/or that the scope and magnitude of specific improvements to the TUMF Network were roughly proportional to the impacts needing to be mitigated. This review process resulted in the removal of various facilities from the TUMF Network, as well as various changes in the scope and magnitude of specific improvements to the TUMF Network.

Figure ES.3 illustrates the TUMF improvements to the Regional System of Highways and Arterials.

The total cost of improving the TUMF system is \$5.28 billion. Accounting for obligated funds and unfunded existing needs, the estimated maximum eligible value of the TUMF Program is \$4.24 billion. The maximum eligible value of the TUMF Program includes approximately \$3.87 billion in eligible arterial highway and street related improvements and \$154.8 million in eligible transit related improvements. An additional \$53.9 million is also eligible as part of the TUMF Program to mitigate the impact of eligible TUMF related arterial highway and street projects on critical native species and wildlife habitat, while \$161.2 million is provided to cover the costs incurred by WRCOG to administer the TUMF Program.



ES.5 TUMF Nexus Analysis

There is a reasonable relationship between the future growth and the need for improvements to the TUMF system. These factors include:

- Western Riverside County is expected to continue growing as a result of future new development.
- > Continuing new growth will result in increasing congestion on arterial roadways.
- The future arterial roadway congestion is directly attributable to the cumulative regional transportation impacts of future development in Western Riverside County.
- > Capacity improvements to the transportation system will be needed to mitigate the cumulative regional impacts of new development.
- Roads on the TUMF network are the facilities that merit improvement through this fee program.
- ➤ Improvements to the public transportation system will be needed to provide adequate mobility for transit-dependent travelers and to provide an alternative to automobile travel.

The split of fee revenues between the backbone and secondary highway networks is related to the proportion of highway vehicle travel that is relatively local (between adjacent communities) and longer distance (between more distant communities but still within Western Riverside County). To estimate a rational fee split between the respective networks, the future travel forecast estimates were aggregated to a matrix of peak period trips between zones. The overall result is that 51.1% of the regional travel is attributable to the backbone network and 48.9% is assigned to the secondary network.

In order to establish the approximate proportionality of the future traffic impacts associated with new residential development and new non-residential development, peak period growth in VMT between 2018 and 2045 was derived from RivCoM and aggregated by trip purpose. It was concluded that home-based person trips represent 77.7% of the total future person trips, and the non-home-based person trips represent 22.3% of the total future person trips.

ES.6 Fair-Share Fee Calculation

The balance of the unfunded TUMF system improvement needs is \$4.24 billion which is the maximum value attributable to the mitigation of the cumulative regional transportation impacts of future new development in the WRCOG region and will be captured through the TUMF Program. By levying the uniform fee directly on future new developments (and indirectly on new residents and new employees to Western Riverside County), these transportation system users are assigned their "fair share" of the

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costs to address the cumulative impacts of additional traffic they will generate on the regional transportation system.

Of the \$4.24 billion in unfunded future improvement needs, 77.7% (\$3.30 billion) will be assigned to future new residential development and 22.3% (\$946.5 million) will be assigned to future new non-residential development.

ES.7 Conclusions

Based on the results of the Nexus Study evaluation, it can be demonstrated that there is reasonable relationship between the cumulative regional transportation impacts of new land development projects in Western Riverside County and the need to mitigate these transportation impacts using funds levied through the proposed TUMF Program. Factors that reflect this reasonable relationship include:

- Western Riverside County is expected to continue growing as a result of future new development.
- Continuing new growth will result in increasing congestion on arterial roadways;
- The future arterial roadway congestion is directly attributable to the cumulative regional transportation impacts of future development in Western Riverside County;
- Capacity improvements to the transportation system will be needed to mitigate the cumulative impacts of new development;
- Roads on the TUMF network are the facilities that merit improvement through this fee program;
- ➤ Improvements to the public transportation system will be needed to provide adequate mobility for transit-dependent travelers and to provide an alternative to automotive travel.

The Nexus Study evaluation has established a proportional "fair share" of the improvement cost attributable to new development based on the impacts of existing development and the availability of obligated funding through traditional sources. The fair share fee allocable to future new residential and non-residential development in Western Riverside County is summarized for differing use types in **Table ES.1**.

Table ES.1 - Transportation Uniform Mitigation Fee for Western Riverside County					
Land Use Type	Units	Development Change	Fee Per Unit	Total Revenue (\$ million)	
Single Family Residential	DU	167,491	\$15,476	\$2,592.0	
Multi Family Residential	DU	90,335	\$7,816	\$706.1	
Industrial	SF GFA	61,489,565	\$2.33	\$143.1	
Retail	SF GFA	6,557,500	\$11.21	\$73.5	
Service	SF GFA	66,735,957	\$9.76	\$651.1	
Government/Public	SF GFA	3,420,665	\$23.07	\$78.9	
MAXIMUM TUMF VALUE				\$2,961.0	

1.0 INTRODUCTION AND PURPOSE OF THE NEXUS STUDY

1.1 Background

Western Riverside County includes 18 incorporated cities and the unincorporated county covering an area of approximately 2,100 square miles. Through the mid 2000's, this portion of Riverside County was growing at a pace exceeding the capacity of existing financial resources to meet increasing demand for transportation infrastructure. Although the economic recession of the late 2000's, and the associated crises in the mortgage and housing industries, slowed this rate of growth, the regional economy has recovered and the projected rate of development in Western Riverside County remains high. Similarly, the impact of the COVID-19 pandemic on travel demand in the region has also passed, with travel demands, especially for the highway network, surpassing pre-pandemic levels.

Continued high growth in households and jobs in Western Riverside County could significantly increase congestion and degrade mobility if substantial investments are not made in transportation infrastructure. This challenge is especially critical for arterial roadways of regional significance, since traditional sources of transportation funding (such as the gasoline tax and local general funds) will not be nearly sufficient to fund the needed improvements. Development exactions only provide improvements near the development site, and the broad-based county-level funding sources (i.e., Riverside County's half-cent sales tax known as Measure A) designate only a small portion of their revenues for arterial roadway improvements.

In anticipation of the continued future growth projected in Riverside County, several county-wide planning processes were initiated in 1999. These planning processes include the Riverside County General Plan Update, the Community Environmental Transportation Acceptability Process (CETAP) and the Multi-Species Habitat Conservation Plan (MSHCP). Related to these planning processes is the need to fund the mitigation of the cumulative regional transportation impacts of future new development.

Regional arterial highways in Western Riverside County are forecast to carry significant traffic volumes by 2045. While some localized fee programs exist to mitigate the local impacts of new development on the transportation system in specific areas, and while these programs are effective locally, they are insufficient in their ability to meet the regional demand for transportation infrastructure. Former Riverside County Supervisor Buster recognized the need to establish a comprehensive funding source to mitigate the cumulative regional transportation impacts of new development on regional arterial highways. The need to establish a comprehensive funding source for arterial highway improvements has evolved into the development of the Transportation Uniform Mitigation Fee (TUMF) for Western Riverside County.

In February 1999, the cities of Temecula, Murrieta and Lake Elsinore, the Western Riverside Council of Governments (WRCOG), the Riverside County Transportation Commission (RCTC) and the Building Industry Association (BIA) met to discuss the

concept of a TUMF. The intent of this effort was to have the southwest area of Western Riverside County act as a demonstration for the development of policies and a process for a regional TUMF Program before applying the concept countywide. From February 1999 to September 2000, the Southwest Area Transportation Infrastructure System Funding Year 2020 (SATISFY 2020) Program progressed with policy development, the identification of transportation improvements, traffic modeling, cost estimates, fee scenarios and a draft Implementation Agreement.

In May 2000, Riverside County Supervisor Tavaglione initiated discussions in the northwest area of Western Riverside County to determine the level of interest in developing a TUMF for that area of the county. Interest in the development of a northwest area fee program was high. In August 2000, the WRCOG Executive Committee took action to build upon the work completed in the southwest area for the SATISFY 2020 program and to develop a single consolidated mitigation fee program for all of Western Riverside County. This action was predicated on the desire to establish a single uniform mitigation fee program to mitigate the cumulative regional impacts of new development on the regional arterial highway system, rather than multiple discrete and disparate fee programs with varying policies, fees and improvement projects. A TUMF Policy Committee comprising regional elected officials was formed to recommend and set policies for staff to develop the TUMF Program and provide overall guidance to all other staff committees.

While the TUMF cannot fund all necessary transportation system improvements, it is intended to address a current transportation funding shortfall by establishing a new revenue source that ensures future new development will contribute toward addressing its indirect cumulative traffic impacts on regional transportation infrastructure. Funding accumulated through the TUMF Program will be used to construct transportation improvements such as new arterial highway lanes, reconfigured freeway interchanges, railroad grade separations and new regional express bus services that will be needed to accommodate future travel demand in Western Riverside County. By levying a fee on new developments in the region, local agencies will be establishing a mechanism by which developers and in turn new county residents and employees will effectively contribute their "fair share" toward sustaining the regional transportation system.

This TUMF Nexus Study is intended to satisfy the requirements of California Government Code Chapter 5 Section 66000-66008 Fees for Development Projects (also known as California Assembly Bill 1600 (AB 1600) or the Mitigation Fee Act), which governs imposing development impact fees in California. The Mitigation Fee Act requires that all local agencies in California, including cities, counties, and special districts follow two basic rules when instituting impact fees. These rules are as follows:

- 1) Establish a nexus or reasonable relationship between the development impact fee's use and the type of project for which the fee is required.
- 2) The fee must not exceed the project's proportional "fair share" of the proposed improvement and cannot be used to correct current problems or to make improvements for existing development.

1.2 TUMF Nexus Study History

The TUMF Program is implemented through the auspices of WRCOG. As the council of governments for Western Riverside County, WRCOG provides a forum for representatives from 18 cities, the Riverside County Board of Supervisors, the Eastern Municipal Water District, Western Water, the Riverside County Superintendent of Schools, the March Joint Powers Authority and the Riverside Transit Agency to collaborate on issues that affect the entire subregion, such as air quality, solid waste, transportation and the environment. WRCOG strives to "respect local control, provide regional perspective, and make a difference" to elevate the quality of life throughout the subregion. A current list of the standing WRCOG committees and committee membership that oversee the TUMF program is included in **Appendix A**.

The initial WRCOG TUMF Nexus Study was completed in October 2002 and adopted by the WRCOG Executive Committee in November 2002. Its purpose was to establish the nexus or reasonable relationship between new land development projects in Western Riverside County and the proposed development impact fee that would be used to improve regional transportation facilities. It also identified the proportional "fair share" of the improvement cost attributable to new development.

Consistent with the provisions of the Mitigation Fee Act, the WRCOG Executive Committee has established that the TUMF Nexus Study will be subject of a comprehensive review of the underlying program assumptions at least every five years to confirm the Nexus. Acknowledging the unprecedented and unique nature of the TUMF Program, the Executive Committee determined that the first comprehensive review of the Program should be initiated within two years of initial adoption of the Program primarily to validate the findings and recommendations of the study and to correct any program oversights. The results of the first review of the Program were documented in the TUMF Nexus Study 2005 Update adopted by the WRCOG Executive Committee on February 6, 2006. A second comprehensive review of the TUMF Program was conducted in 2008 and 2009 in part to address the impacts of the economic recession on the rate of development within the region and on transportation project costs. The findings of the 2009 review of the program were adopted by the WRCOG Executive Committee on October 5, 2009.

A third comprehensive review of the TUMF Program was conducted in 2014 and 2015 leading to a Draft Nexus Study document being distributed for review in August 2015. The WRCOG Executive Committee subsequently considered comments related to the Draft Nexus Study 2015 Update at the meeting held on September 14, 2015, where it was resolved to "delay finalizing the Nexus Study for the TUMF Program Update until the 2016 Southern California Association of Governments' 2016 Regional Transportation Plan / Sustainable Communities Strategy growth forecast is available for inclusion in the Nexus Study". The Southern California Association of Governments (SCAG) adopted the 2016-2040 Regional Transportation Plan / Sustainable Communities Strategy (2016 RTP/SCS) on April 7, 2016, enabling WRCOG staff to proceed with finalizing the update of the TUMF Nexus Study. The WRCOG TUMF Nexus Study 2016 Update Report was ultimately adopted by the WRCOG Executive Committee on July 10, 2017.

On September 3, 2020, SCAG adopted <u>Connect SoCal</u>; The <u>2020-2045 Regional Transportation Plan/Sustainable Communities Strategy of the Southern California Association of Governments</u> (2020 RTP/SCS). As stated in the plan document "Connect SoCal embodies a collective vision for the region's future, through the horizon year of 2045. It is developed with input from a wide range of constituents and stakeholders within the Counties of Imperial, Los Angeles, Orange, Riverside, San Bernardino and Ventura, including public agencies, community organizations, elected officials, tribal governments, the business community and the public. Connect SoCal is an important planning document for the region, allowing public agencies who implement transportation projects to do so in a coordinated manner, while qualifying for federal and state funding."

The adoption of the 2020 RTP/SCS confirmed new growth forecasts for the region that were used as the basis to develop the Connect SoCal plan. These forecasts also provide a foundational element for updating the TUMF program and the associated nexus determination prompting WRCOG to initiate the current program update. The 2020 RTP/SCS growth forecasts are used directly in the fee calculation as the basis for determining the anticipated growth in households and employment in the region through the program horizon year of 2045. These forecasts are also integrated into the Riverside County Transportation Analysis Model (RivCoM) used to forecast the cumulative regional traffic impacts of new development on the arterial highway network in Western Riverside County.

Completed in 2021 to succeed the Riverside County Traffic Analysis Model (RIVTAM), RivCoM provides a valuable tool for supporting a variety of transportation planning activities in Riverside County, including the update of the TUMF Nexus Study. RivCoM was developed under the leadership of WRCOG in conjunction with regional partners with the intent to provide jurisdictions in Riverside County with a traffic forecasting tool that, while consistent with the SCAG regional travel demand model, provides a more appropriate level of detail to support transportation planning at the County or City level.

RivCoM is a critical tool for quantifying the cumulative regional traffic impacts of new development as part of the TUMF Nexus Study Update. Utilizing the 2020 RTP/SCS growth forecasts, RivCoM is used to quantify changes in travel demand and traffic conditions on the regional highway network, with a specific focus on the TUMF Network. RivCoM outputs are used to analyze project eligibility and quantify the fair share of traffic growth that is attributable to new development as inputs to determining the fee. The adoption of the Connect SoCal plan and the availability of RivCoM to serve as a critical tool for quantifying network impacts for the TUMF Nexus Study Update were key factors driving the schedule for this update of the fee.

To ensure new development continues to contribute a fair share of the cost to mitigate its cumulative regional transportation impacts in the period between the comprehensive review of program assumptions completed at least every five years, the WRCOG Executive Committee has also established that the TUMF Schedule of Fees will be reviewed annually, and adjusted, as needed, on July 1st to reflect current costs. The revised schedule of fees will typically be recalculated in February of each year based

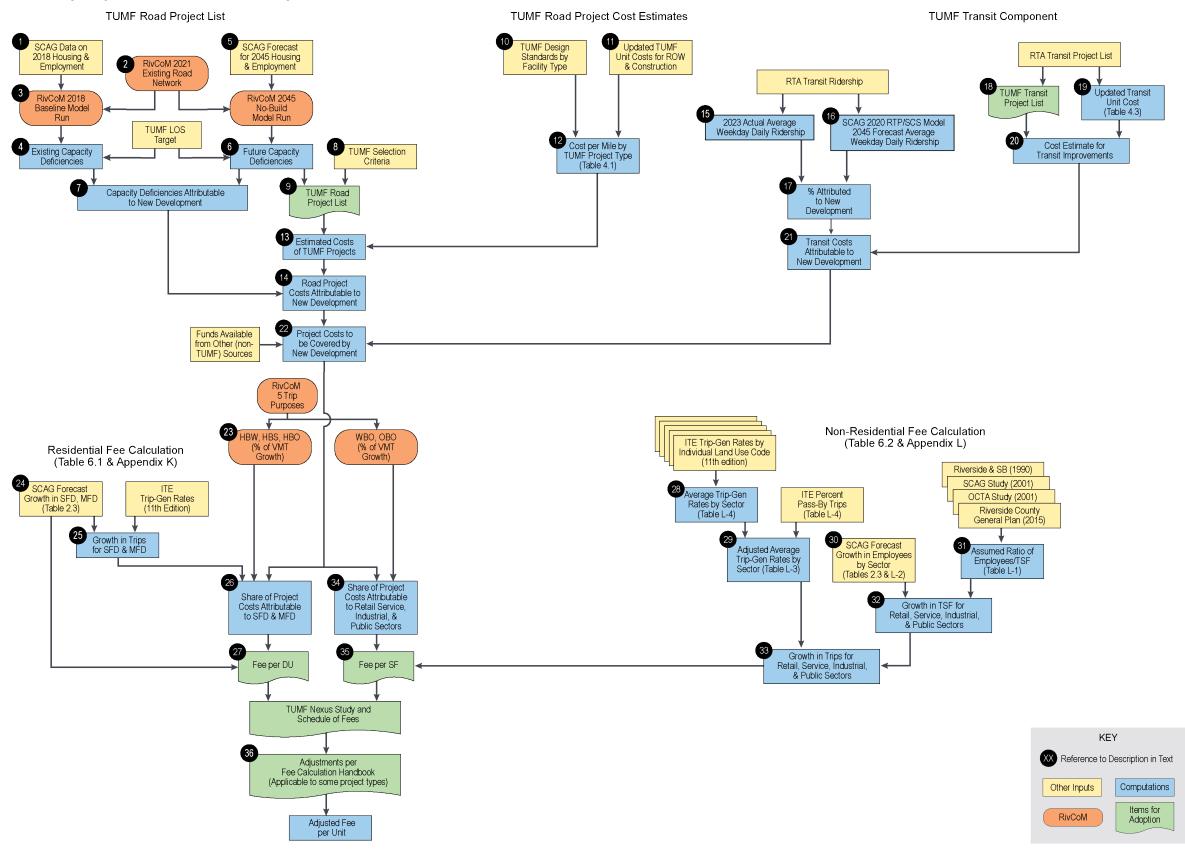
on the percentage increase or decrease in the Engineering News Record (ENR) Construction Cost Index (CCI) for the twelve (12) month period from January of the prior year to January of the current year, and the percentage increase or decrease in the National Association of Realtors (NAR) Median Sales Price of Existing Single Family Homes in the Riverside/San Bernardino Metropolitan Statistical Area for the twelve (12) month period from the 3rd Quarter of the second year prior to the 3rd Quarter of the prior year (to coincide with the publication of the most recently updated index). If approved by the Executive Committee, the resultant percentage change for each of the indices will be applied to the unit cost assumptions for roadway and bus transit costs, and land acquisition costs, respectively, to reflect the combined effects of changes in eligible project costs on the resultant per unit fee for each defined land use category. The most recent annual cost adjustment to the TUMF Schedule of Fees was adopted by the WRCOG Executive Committee on July 12, 2021.

1.3 TUMF Nexus Study Process

In coordination with WRCOG, city and county representatives and other interested parties have reviewed the underlying assumptions of the Nexus Study as part of this comprehensive program review. In particular, the most recent socioeconomic forecasts developed by SCAG as the basis for the 2020 RTP/SCS were incorporated. This use of the most recent SCAG forecasts resulted in a shift of the program base year from 2012 to 2018, as well as a shift in the program horizon year from 2040 to 2045. Furthermore, the TUMF Network was re-examined in detail based on travel demand forecasts derived from the most recent version of the Riverside County Model (RivCoM) to more accurately reflect future project needs to address the cumulative regional impacts of new development in Western Riverside County as well as eliminating those projects having been completed prior to the commencement of the Nexus review in 2021.

The subsequent chapters of this Nexus Study document describe the various assumptions, data inputs and analysis leading to the determination of each major variable in the TUMF calculation, and ultimately leading to the determination of the TUMF Schedule of Fees that indicates the maximum "fair share" fee for each of the various use types defined in the TUMF program. The overall process for establishing the TUMF nexus is summarized in this section, including the flow chart in **Figure 1.1** that illustrates the various technical steps in this fee calculation process. Each technical step that was followed to determine the TUMF Schedule of Fees and establish the program nexus is summarized below, with the numbers denoted on the flow chart correlating to the steps described. The flow chart also incorporates color coding of the steps to indicate those steps that involved the application of RivCoM, steps that utilized other input data, steps that are computations of various inputs, and steps that required specific actions of the various WRCOG committees to confirm major variables. Where appropriate, the flow chart also includes specific cross references to the sections or tables included in this Nexus Study document that correlate to the particular step.

Figure 1.1 - Flowchart of Key Steps in the TUMF Nexus Study Process



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2.3.1. Establish the TUMF Network Project List

The roadway network in Western Riverside County must be evaluated to determine how new development activity will impact the performance of the network, and how the resultant traffic impacts can be mitigated by completing various roadway improvements. The following steps integrate the latest SCAG socio-economic forecasts into RivCoM as the basis for determining future roadway deficiencies and identifying the list of eligible improvements to address these future deficiencies. The rational and methodology for accomplishing these steps is further explained in **Chapters 2 and 3** of this report, with the resultant TUMF Network described in **Chapter 4**.

- 1) The SCAG 2020 RTP/SCS was developed using housing and employment data for 2018 as its base year. This adopted dataset was integrated into RivCoM providing a critical analytic tool to support the Nexus Study Update.
- 2) The RivCoM model¹ has datasets available that represent the capacity of the different facilities in the road network for several different study years. For this nexus update, the RivCoM 2018 base network that was developed following the adoption of the SCAG 2020 RTP was selected as the one most closely resembling current conditions. This network was subsequently reviewed and updated, including a detailed review by WRCOG staff and participating jurisdictions, to identify projects that were completed on the arterial network in the period between 2016 and December 2021. The arterial network was then recoded to reflect the changes to the TUMF Network to create a 2021 Existing Network as the base network for analysis. A second version of the base network was also developed adding only those facilities that had been identified on the 2016 TUMF network that did not currently exist and therefore were not represented by a link(s) in RivCoM. The Supplemental 2021 Existing Network was utilized as the basis for assessing only those projects that did not currently exist on the TUMF Network.
- 3) RivCoM was run using the 2018 socio-economic data (SED) and the 2021 Existing Networks to produce the baseline volumes on the roads in the TUMF Network.
- 4) The baseline volume-to-capacity (V/C) ratio was then determined. The target LOS for TUMF facilities is "D", meaning that facilities with LOS "E" or "F", i.e. those with a V/C ratio of 0.9 or higher, are deemed to have inadequate capacity. The result of this step is a list of roads that have existing capacity deficiencies.

¹ The macro-level traffic forecasting was conducted using the Riverside County Transportation Analysis Model (RivCoM). RivCoM is consistent of SCAG's six-county model with additional detail (traffic analysis zones and local roads) added within Riverside County. It was developed for use in traffic studies in Riverside County as a replacement for the Riverside County Transportation and Analysis Model (RivTAM) integrating an updated modeling platform to improve run time and reliability, as well as a more focused model area, more detailed network and zone structure, and prost processors to satisfy more recent legislative requirements. RivCoM has both the geographic scope needed to analyze all TUMF facilities and conformity with regional planning assumptions. There is a memorandum of understanding among the jurisdictions of Riverside County that encourages the use of the RivCoM model for use in regional traffic studies.

- 5) The SCAG 2020 RTP/SCS was developed using housing and employment data for 2045 as its forecast horizon year. This adopted dataset was also used as the future base year for the TUMF update calculation.
- 6) RivCoM was run using the 2021 Existing Networks with the land use assumptions for 2045. These "Future No-Build" scenarios was used to determine where deficiencies would occur in the roadway system if development occurred as expected but no roadway improvements were implemented.
- 7) Comparing the existing capacity deficiencies with the future deficiencies showed where new deficiencies would occur that are entirely attributable to growth in households and employment. Comparing the existing and future traffic volume to capacity ratio on the roads that are currently deficient shows the portion of the future deficiency that is attributable to growth.
- 8) It is generally acknowledged that the TUMF program cannot and should not attempt to fund every roadway improvement needed in Western Riverside County. WRCOG has adopted a set of selection criteria that was used to choose which roadway improvements would be eligible for TUMF funding.
- 9) The selection criteria were applied to the forecast deficiencies to identify projects for the TUMF Project List. The project list was subsequently reviewed to confirm the eligibility of proposed projects, including projects previously included in the TUMF program, as well as additional projects requested for inclusion as part of the current update. The project list was then subsequently updated to reflect those projects considered eligible for TUMF funding as part of the 2024 Nexus Study Update.

2.3.2. Determine the TUMF Network Project Costs

The estimated costs of proposed improvements on the TUMF Network are calculated based on the prices of construction materials, labor and land values for the various eligible project types included as part of the TUMF program. The approach and outcomes of the following steps is described in **Chapter 4** of this report.

- 10) The TUMF program has design standards covering the road project components that are eligible for TUMF funding. This ensures that projects in jurisdictions with different design standards are treated equally².
- 11) Current cost values for labor and materials such as cement, asphalt, reinforcing steel, etc., as derived from Caltrans cost database, RCTC and other sources, were tabulated and updated to December 2023. Additionally, the ROW cost components per square foot for various land use types were also updated based on current property valuations in Riverside County as researched by Overland, Pacific and Cutler.

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² A jurisdiction may choose to design to a higher standard, but if it does so, TUMF will only fund up to the equivalent of what costs would have been had the TUMF design standards been followed.

- 12) The cost values for the contributing labor, materials and land components were applied to estimated quantities of these components for the various roadway project types that are eligible under TUMF to generate aggregate unit cost values for each project type (road costs per lane-mile, typical costs per arterial-freeway interchange, bridge costs per linear foot, etc.).
- 13) The unit costs from the previous step were then applied to the project list to estimate the costs of the improvements on the TUMF project list.
- 14) The percentage of each project that was attributable to new development was then applied to the costs of TUMF road projects to find the total road project cost that is attributable to new development.

2.3.3. Determine the TUMF Transit Component

A portion of the TUMF funding is made available for transit services that provide an alternative to car travel for medium-to-long distance intra-regional trips. The eligible transit projects and their associated costs are determined using the following steps, with additional explanation provided in **Chapter 4** of this report.

- 15) Actual average weekday daily ridership for Riverside Transit Agency (RTA) transit bus services was tabulated for 2023.
- 16) Forecast average weekday daily ridership for RTA bus transit services was retrieved from the SCAG 2020 RTP/SCS Model for horizon year 2045.
- 17) The growth in ridership between 2023 and 2045 was compared to determine the portion of 2045 average weekday daily ridership that is attributable to existing passengers and the portion attributable to new growth.
- 18) A proposed transit project list was provided by RTA staff and was reviewed to confirm the validity of the project list to establish a final recommended transit project list to be included as part of the program. The result was the TUMF Transit Project List.
- 19) RTA provided information on current costs for the listed transit infrastructure.
- 20) The cost information was then used to determine the cost of the items on the TUMF Transit Project List.
- 21) The percent attribution from Step 17 was applied to the project cost estimates from the previous step to determine the cost of transit improvements that are attributable to new development.
- 22) The costs for road and transit projects that are attributable to new development are then combined along with information on other (non-TUMF) funds to determine the total cost for TUMF projects that is to be cover by new development through the imposition of the fees. The available alternate funding sources were reviewed as part of the Nexus update, specifically including the completion of a detailed review of available federal, state and local funding sources administered by RCTC.

2.3.4. Computing the Fee for Residential Developments

Having determined the total project costs to be covered by new development under the TUMF program, it is necessary to divide these costs among different types of developments roughly in proportion to their expected traffic impacts. The following steps describes the process for determining the proportion attributable to new residential development. The approach for accomplishing these steps along with the findings of this analysis are described in detail in **Chapter 5** and **Chapter 6** of this report.

- California legislation encourages the use of vehicle miles of travel (VMT) as the primary indicator of traffic impacts because it combines the number of vehicle trips and the average length of those trips to reflect the proportional impact to the roadway network. As a result, the methodology for determining the relative distribution of traffic impacts between residential and non-residential uses for the purposes of TUMF utilizes a VMT based approach. The RivCoM 2021 Existing Network and 2045 No-Build model runs were examined to determine the VMT of various trip types that would take place in Western Riverside County (excluding through trips). The results were compared to determine the growth in VMT for each trip type. Per WRCOG policy (based on National Cooperative Highway Research Program (NCHRP) recommended practice) trips originating in or destined for a home are attributed to residential development while trips where neither the origin nor the destination are a home are attributed to non-residential development.
- 24) The SCAG 2020 RTP/SCS socio-economic forecasts were used to estimate the number of single-family and multi-family dwelling units that will be developed during the 2018 to 2045 period.
- 25) The Institute of Transportation Engineers' (ITE's) trip generation rates, which come from surveys of existing sites for various development types, were then used to estimate the daily number of trips that will be generated by future single- and multi-family developments that will occur in the region from 2018 to 2045.
- 26) The cost to be covered by residential development was divided into the portion attributable to new single-family dwellings and portion attributable to new multifamily development to calculate the cost share for each use.
- 27) The cost share for single-family dwellings and multi-family dwellings was divided by the number of dwellings of each type to determine the fee level required from each new dwelling unit to cover their fair share of the cost to mitigate the impacts of new developments.

2.3.5. Computing the Fee for Non-Residential Developments

A process similar to that used for residential units was used to determine the fee level for non-residential development. However, the determination of fees for non-residential development involves additional steps due to the additional complexity of accounting for a greater variety of development types within each use category. **Chapter 5** and **Chapter 6** of this report provide additional explanation regarding the methodology for accomplishing these steps along with the results of this analysis.

- 28) Like many impact fee programs, TUMF groups similar development projects together into general use categories to simplify the administration of the program. TUMF groups the various land use categories found in ITE's <u>Trip Generation Manual</u> into four non-residential categories (industrial, retail, service, and government/public sector) based on the North American Industry Classification System (NAICS), which is also used by the U.S. Census Bureau and SCAG for demographic classifications and is the basis for such classifications in the SCAG Regional Travel Demand Model as well as and the RivCoM model. The ITE trip generation rates for all uses were reviewed for accuracy updated to reflect the most current ITE published rates. The median value for the tripgeneration rates for all uses within each category was used in the nexus study to represent the trip-generation characteristics for the category.
- 29) The trip-generation rates of retail and service uses were adjusted to take into account the share of pass-by trips these uses generate. Pass by trip rates for various retail and service uses were derived from the ITE Irip Generation Manual to determine the median value of all uses as the basis for the adjustment. The ITE pass by trip rates for all uses were reviewed for accuracy and updated to reflect the most current ITE published rates.
- 30) The SCAG 2020 RTP/SCS socio economic forecasts included non-residential employment for 2018 and 2045. These forecasts were used to estimate the growth in employment in each of the four non-residential uses.
- 31) The SCAG employment forecasts are denominated in jobs while development applications are typically denominated in square feet of floorspace. The ratio of floorspace per employee was determined as a median value derived from four studies, including a comprehensive study San Bernardino and Riverside Counties conducted in 1990, an OCTA study conducted in 2001, a SCAG study (including a specific focus on Riverside County) conducted in 2001, and the Riverside County General Plan adopted in 2015.
- 32) The forecast growth in employees was multiplied by the floorspace per employee to produce a forecast of the floorspace that will be developed for each of the four non-residential use types.
- 33) The trip-generation rate for each of the four uses was multiplied by the forecast of new floorspace to estimate the number of trips generated by each use.
- 34) The amount of project costs to be covered by non-residential development was split between the four non-residential uses to determine the TUMF cost share for each.
- 35) The TUMF cost share for each of the four non-residential uses was divided by the forecast growth in floorspace to determine the fee level required from each new square foot of non-residential development to cover their fair share of the cost to mitigate the impacts of new developments.
- 36) WRCOG has adopted a TUMF Fee Calculation Handbook that allows for fee adjustments to be made to account for unusual circumstances for certain types of residential and non-residential development (fuel filling stations, golf courses, high-cube warehouses, wineries, electric charging stations, etc.) These

adjustments are intended to calculate a fairer proportional fee based on the unique trip generation characteristics of these development types.

The outcome of this process is a schedule of fees for the various use categories identified as part of the TUMF program. The study conclusions including the Schedule of Fees is presented in **Chapter 7** of this report. The schedule of fees represents the **maximum** fee permissible under California law for the purposes of the TUMF program. The WRCOG Executive Committee has the option to adopt lower fees, however, in doing so each use category subject to a lower fee would not be contributing a fair share of the cost of their impacts. This would in turn create a funding gap for the program that would necessitate identifying additional project funding from some other source to ensure the cumulative regional impacts of new development are being mitigated fully in accordance with the program.

2.0 FUTURE GROWTH

2.1 Recent Historical Trend

Western Riverside County experienced robust growth in the period from the late 1990's to the mid 2000's. The results of Census 2000 indicate that in the year 2000, Western Riverside County had a population of 1.187 million representing a 30% increase (or 2.7% average annual increase) from the 1990 population of 912,000. Total employment in Western Riverside County in 2000 was estimated by the SCAG to be 381,000 representing a 46% increase (or 3.9% average annual increase) over the 1990 employment of 261,000.

Despite the impacts of the Great Recession and the associated residential mortgage and foreclosure crisis, and more recently with the shifting of population during and following the COVID-19 pandemic, Western Riverside County has continued to grow due to the availability of relatively affordable residential and commercial property, and a generally well-educated workforce. By 2010, the population of the region had grown to 1.742 million, a further 47% growth in population from 2000. Similarly, total employment in the region had also grown from 2000 to 2010 with 434,000 employees estimated to be working in Western Riverside County. This represents a 12% increase from the 381,000 employees working in the region in 2000.

2.2 Available Demographic Data

A variety of alternate demographic information that quantifies future population, household and employment growth is available for Western Riverside County. For earlier versions of the TUMF Nexus Study, the primary available source of consolidated demographic information for Western Riverside County was provided by SCAG. SCAG is the largest of nearly 700 Councils of Government (COG) in the United States and functions as the Metropolitan Planning Organization (MPO) for six counties in Southern California including Los Angeles, Orange, San Bernardino, Riverside, Ventura and Imperial. SCAG is mandated by the federal government to research and plan for issues of regional significance including transportation and growth management. As part of these responsibilities, SCAG maintains a comprehensive database of regional socioeconomic data and develops demographic projections and travel demand forecasts for Southern California.

In preparation for the 2020 RTP/SCS, SCAG undertook robust stakeholder engagement, including participation by WRCOG, Riverside County and the various cities in Western Riverside County, to develop regional demographic forecasts. Using input from regional stakeholders regarding anticipated patterns and rates of development, SCAG compiled and disseminated the forecasts that were ultimately adopted in 2020, including those specific to Western Riverside County. The SCAG forecasts adopted for the 2020 RTP/SCS were subsequently used as the basis for RivCoM and are used as the basis for this TUMF Nexus Study Update.

2.3 Demographic Assumptions Used for the Nexus Study Analysis

A major distinction between data used for the TUMF Nexus Study 2016 Update and the SCAG 2020 RTP/SCS data used for this 2024 Update is the change in the base year from 2012 to 2018, as well as the change in the horizon year from 2040 to 2045. This shift in the base year and horizon year demographic assumptions of the program carries through all aspects of the nexus analysis, including the travel demand forecasting, network review and fee calculation.

The SCAG 2020 RTP/SCS data were compared to the 2016 RTP/SCS data used in the TUMF Nexus Study 2016 Update. As can be seen in **Table 2.1** and **Figure 2.1**, the 2018 data reflects an increase in population and single-family households, and a very slight decline in multi-family households. Employment grew substantially overall, with significant growth in industrial employment, largely attributable to the rapid expansion of warehousing and logistics facilities in Western Riverside County. In contrast, there was a notable decline in government and public sector employment in the region from 2012 to 2018

Table 2.1 - Base Year Socioeconomic Estimates for Western Riverside County

SED Type	2016 Update (2012)	2024 Update (2018)	Change	Percent
Total Population	1,773,935	1,905,440	131,505	7%
Total Households	525,149	554,573	29,424	6 %
Single-Family	366,588	397,407	30,819	8%
Multi-Family	158,561	157,166	-1,395	-1%
Total Employment	460,787	570,420	109,633	24%
Industrial	120,736	169,334	48,598	40%
Retail	65,888	73,814	7,926	12%
Service	253,372	308,703	55,331	22%
Government/Public Sector	20,791	18,569	-2,222	-11%

Source: SCAG 2016 RTP/SCS; SCAG 2020 RTP/SCS

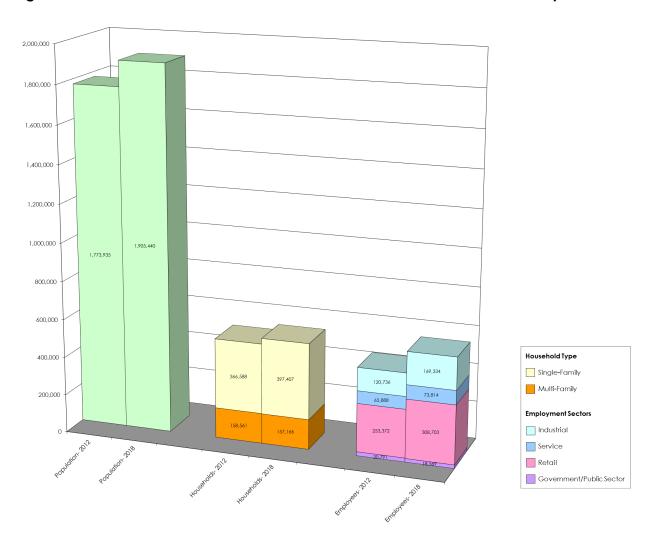


Figure 2.1 – Base Year Socioeconomic Estimates for Western Riverside County

Table 2.2 and **Figure 2.2** compare the socioeconomic forecasts for the program horizon year of 2045 used in the TUMF Nexus Study 2016 Update and 2045 for this study. The most recent forecasts reflect an increase in the horizon year population and households, and a decrease in overall employment in Western Riverside County. The change in employment was not, however, consistent across sectors. The retail employment forecast has decreased approximately 15% from 2040 to 2045, while the industrial employment forecast has increased over 20%. This shift is consistent with the emergence of e-commerce as an alternative to traditional "brick and mortar" retail.

Table 2.2 - Horizon Year Socioeconomic Estimates for Western Riverside County

SED Type	2016 Update (2040)	2024 Update (2045)	Change	Percent
Total Population	2,429,633	2,533,876	104,243	4%
Total Households	775,231	812,399	37,168	5%
Single-Family	539,631	564,898	25,267	5%
Multi-Family	235,600	247,501	11,901	5%
Total Employment	861,455	846,442	-15,013	-2%
TUMF Industrial	201,328	245,915	44,587	22%
TUMF Retail	101,729	86,929	-14,800	-15%
TUMF Service	528,092	482,958	-45,134	-9%
TUMF Government/Public Sector	30,306	30,640	334	1%

Source: SCAG 2016 RTP/SCS; SCAG 2020 RTP/SCS

Figure 2.2 - Horizon Year Socioeconomic Estimates for Western Riverside County

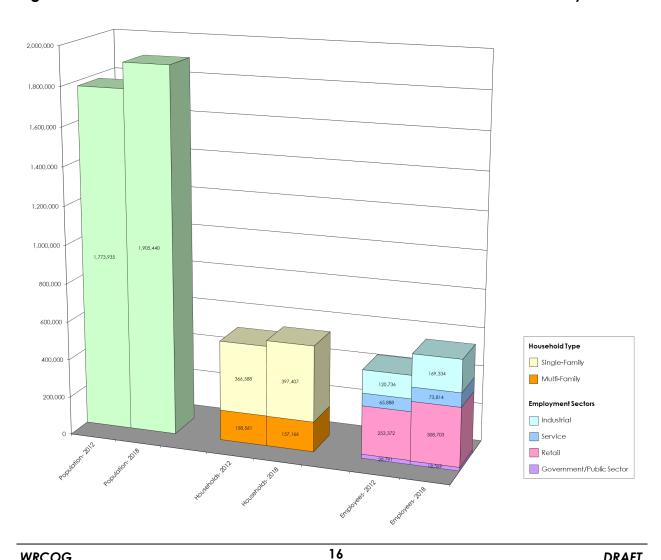


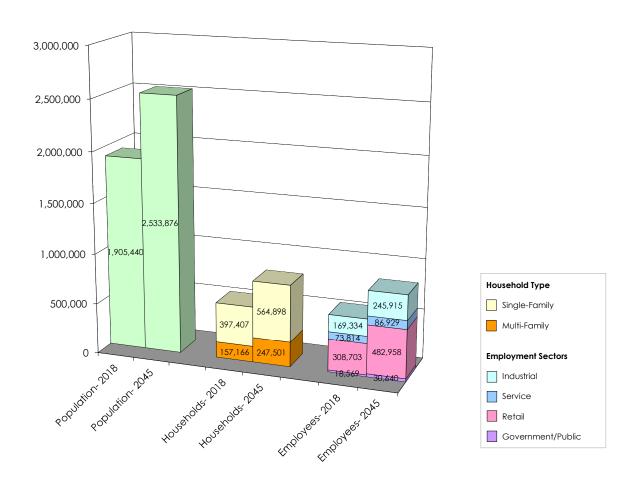
Table 2.3 and Figure 2.3 summarize the socioeconomic data obtained from SCAG and used as the basis for completing this Nexus Study analysis. The SCAG employment data for 2018 and 2045 was provided for thirteen employment sectors consistent with the California Employment Development Department (EDD) Major Groups including: Farming, Natural Resources and Mining; Construction; Manufacturing; Wholesale Trade; Retail Trade; Transportation, Warehousing and Utilities; Information; Financial Activities; Professional and Business Service; Education and Health Service; Leisure and Hospitality; Other Service; and Government. For the purposes of the Nexus Study, the EDD Major Groups were aggregated to Industrial (Farming, Natural Resources and Mining; Construction; Manufacturing; Wholesale Trade; Transportation, Warehousing and Utilities), Retail (Retail Trade), Service (Information; Financial Activities; Professional and Business Service; Education and Health Service; Leisure and Hospitality; Other Service) and Government/Public Sector (Government). These four aggregated sector types were used as the basis for calculating the fee as described in Section 6.2. Appendix B provides a table detailing the EDD Major Groups and corresponding North American Industry Classification System (NAICS) Categories that are included in each nonresidential sector type.

Table 2.3 - Population, Households and Employment in Western Riverside County (2018 to 2045)

SED Type	2018	2045	Change	Percent
Total Population	1,905,440	2,533,876	628,436	33%
Total Households	554,573	812,399	257,826	46%
Single-Family	397,407	564,898	167,491	42%
Multi-Family	157,166	247,501	90,335	57%
Total Employment	570,420	846,442	276,022	48%
TUMF Industrial	169,334	245,915	76,581	45%
TUMF Retail	73,814	86,929	13,115	18%
TUMF Service	308,703	482,958	174,255	56%
TUMF Government/Public Sector	18,569	30,640	12,071	65%

Source: SCAG 2020 RTP/SCS

Figure 2.3 - Population, Households and Employment in Western Riverside County (2018 to 2045)



The combined effects of the changes in the base year and horizon year socioeconomic data are modest reductions in the total growth in population and single-family households, but a notable increase in multi-family households. The change in total employment is reduced by 31%, with the most significant reduction in employment growth in the retail sector (-63%), while the industrial sector saw only a slight reduction in total employment growth compared to the 2016 Nexus Update (5%). The Government/public sector employment growth has increased by 27% from the 2016 Nexus Study to the 2024 Nexus Study, although the total number of jobs increased is relatively small as a share of the total employment. Table 2.4 and Figure 2.4 provide a comparison of the changes in population, households and employment between the 2016 Nexus Update and the 2024 Nexus Update. The table and figure clearly illustrate the reduction in the rate of growth in Western Riverside County largely attributable to the effects of the economic recession. This reduced rate of growth in the region will serve as the basis for reevaluating the level of impact of new development on the transportation system in the next section, as well as providing the basis for the determination of the fair share fee for each land use type.

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July 25, 2024

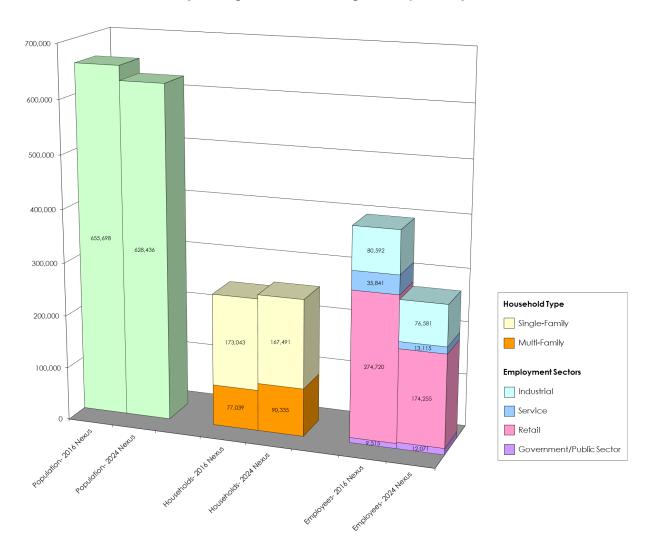
transportation system in the next section, as well as providing the basis for the determination of the fair share fee for each land use type.

Table 2.4 - Population, Households and Employment in Western Riverside County (Existing to Future Change Comparison)

SED Type	2016 Update (2012-2040)	2024 Update (2018-2045)	Difference	Percent
Total Population	655,698	628,436	-27,262	-4%
Total Households	250,082	257,826	7,744	3%
Single-Family	173,043	167,491	-5,552	-3%
Multi-Family	77,039	90,335	13,296	17%
Total Employment	400,668	276,022	-124,646	-31%
TUMF Industrial	80,592	76,581	-4,011	-5%
TUMF Retail	35,841	13,115	-22,726	-63%
TUMF Service	274,720	174,255	-100,465	-37%
TUMF Government/Public Sector	9,515	12,071	2,556	27%

Source: SCAG 2016 RTP/SCS; SCAG 2020 RTP/SCS

Figure 2.4 - Population, Households and Employment in Western Riverside County (Existing to Future Change Comparison)



3.0 NEED FOR THE TUMF

All new developments have some effect on the transportation infrastructure in a community, city or county due to an increase in travel demand. Increasing usage of the transportation facilities leads to more traffic, progressively increasing VMT, traffic congestion and decreasing the level of service (LOS)³. To meet the increased travel demand and keep traffic flowing, improvements to transportation facilities become necessary to sustain pre-development traffic conditions.

The projected growth in Western Riverside County (33% growth in population and 48% growth in employment in 27 years) and the related growth in VMT can be expected to increase congestion and degrade mobility if substantial investments are not made in the transportation infrastructure. This challenge is especially critical for arterial highways and roadways that carry a significant number of the trips between cities, since traditional sources of transportation improvement funding (such as the gasoline tax and local general funds) will not be nearly sufficient to fund the improvements needed to serve new development. Development exactions generally provide only a fraction of the improvements with those being confined to the area immediately adjacent to the respective development, and the broad-based county-level funding sources (i.e., Riverside County's half-cent sales tax known as Measure A) designate only a small portion of their revenues for arterial roadway improvements.

This section documents the existing and future congestion levels that demonstrate the need for future improvements to the transportation system to specifically mitigate the cumulative regional transportation impacts of new development. It then describes the TUMF concept that has been developed to fund future new developments' fair share of needed improvements.

The forecast of future congestion levels is derived from Year 2045 No-Build travel demand forecasts for Western Riverside County developed using RivCoM. The Year 2045 No-Build scenario evaluates the effects of 2045 population, employment and resultant traffic generation on the 2021 existing arterial highway network.

3.1 Future Highway Congestion Levels

To support the evaluation of the cumulative regional impacts of new development on the existing arterial highway system in Western Riverside County, existing (2018) and future (2045) SED were modeled on the existing (2021) arterial highway network using RivCoM. To quantify traffic growth impacts, various traffic measures of effectiveness were calculated for the AM and PM peak periods for each of the two scenarios. The

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³ The <u>Highway Capacity Manual 6th Edition – A Guide for Multimodal Mobility Analysis</u> (Transportation Research Board, National Academy of Sciences, Washington, D.C., 2016, Volume 1 – Concepts, pp 5-3) describes LOS as a "quantitative stratification of performance measure or measures representing quality of service....HCM defines six levels of service, ranging from A to F, for each service measure or combination of measures. LOS A represents the best operating conditions from the traveler's perspective and LOS F the worst."

WRCOG TUMF study area was extracted from the greater regional model network for the purpose of calculating measures for Western Riverside County only. Peak period performance measures for the Western Riverside County TUMF study area included total VMT, total vehicle hours of travel (VHT), total combined vehicle hours of delay (VHD), and total VMT experiencing unacceptable level of service (LOS E). These results were tabulated in **Table 3.1**. Plots of the Network Extents are attached in **Appendix C**.

Total Arterial VMT, VHD and LOS E Threshold VMT were calculated to include all principal arterials, minor arterials and major connectors, respectively. Regional values for each threshold were calculated for a total of all facilities including arterials, freeways, freeway ramps and High-Occupancy Vehicle (HOV) lanes.

Table 3.1 - Regional Highway System Measures of Performance (2018 Existing to 2045 No-Build)

	Peak Periods (Total)						
Measure of Performance*	2018 Existing	2045 No-Build	% Change	% Annual			
VMT - Total ALL FACILITIES	23,284,724	29,897,254	28%	0.9%			
VMT - FREEWAYS	13,514,522	15,490,284	15%	0.5%			
VMT - ALL ARTERIALS	9,770,202	14,406,970	47%	1.4%			
TOTAL - TUMF ARTERIAL VMT	6,216,985	8,597,200	38%	1.2%			
VHT - TOTAL ALL FACILITIES	541,350	915,439	69%	2.0%			
VHT - FREEWAYS	263,792	399,128	51%	1.5%			
VHT - ALL ARTERIALS	277,558	516,311	86%	2.3%			
TOTAL TUMF ARTERIAL VHT	174,455	320,869	84%	2.3%			
VHD - TOTAL ALL FACILITIES	108,900	338,056	210%	4.3%			
VHD - FREEWAYS	66,156	170,649	158%	3.6%			
VHD - ALL ARTERIALS	42,745	167,407	292%	5.2%			
TOTAL TUMF ARTERIAL VHD	33,249	124,863	276%	5.0%			
VMT LOS E - TOTAL ALL FACILITIES	5,605,070	13,369,483	139%	3.3%			
VMT LOS E - FREEWAYS	4,725,471	9,316,891	97%	2.5%			
VMT LOS E & F - ALL ARTERIALS	879,599	4,052,592	361%	5.8%			
TOTAL TUMF ARTERIAL VMT w/ LOS E or worse	765,782	3,184,133	316%	5.4%			
% of TUMF ARTERIAL VMT w/ LOS E or worse	12%	37%					

^{*} Based on RivCoM 2018 base network and SCAG 2020 RTP/SCS SED with updated 2021 arterial network as existing in December 2021

NOTES:

Volume is adjusted by PCE factor

VMT = vehicle miles of travel (the total combined distance that all vehicles travel on the system)

VHT = vehicle hours of travel (the total combined time that all vehicles are traveling on the system)

VHD = vehicle hours of delay (the total combined time that all vehicles have been delayed on the system based on the difference between forecast travel time and free-flow (ideal) travel time)

LOS = level of service (based on forecast volume to capacity ratios).

LOS E or Worse was determined by V/C ratio that exceeds 0.9 thresholds as indicated in the Riverside County General Plan.

The following formulas were used to calculate the respective values:

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VMT = Link Distance * Total Daily Volume
VHT = Average Loaded (Congested) Link Travel Time * Total Daily Volume
VHD = VHT - (Free-flow (Uncongested) Link Travel Time * Total Daily Volume)
VMT LOS E or F = VMT (on links where Daily V/C exceeded 0.90)
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Note: Volume to capacity (v/c) ratio thresholds for LOS E are based on the Transportation Research Board 2010 Edition of the <u>Highway Capacity Manual</u> (HCM 2010) LOS Maximum V/C Criteria for Multilane Highways with 45 mph Free Flow Speed (Exhibit 14-5, Chapter 14, Page 14-5).

The calculated values were compared to assess the total change between 2018 Existing and 2045 No-Build scenarios, and the average annual change between 2018 Existing and 2044 No-Build. As can be seen from the RivCoM outputs summarized in Table 3.1, the additional traffic generated by new development will cause peak period VMT on the arterial highway network to increase by approximately 47% by the year 2045 (approximately 1.4% per year). In the absence of additional improvements to the transportation network in Western Riverside County, the growth in VMT will cause congestion on the highway system to increase almost exponentially, with the most significant increase in congestion observed on the arterial highway system that includes the TUMF Network. Many facilities will experience a significant increase in vehicle delay and deterioration in LOS to unacceptable levels because of new development and the associated growth in traffic. According to the Highway Capacity Manual 6th Edition - A Guide for Multimodal Mobility Analysis (Transportation Research Board, National Academy of Sciences, Washington, D.C., 2016), "LOS E describes operation at or near capacity. Operations...at this level are highly volatile because there are virtually no usable gaps within the traffic stream, leaving little room to maneuver within the traffic stream. Any disruption to the traffic stream, such as vehicles entering...or a vehicle changing lanes, can establish a disruption wave that propagates throughout the upstream traffic stream....the physical and psychological comfort afforded drivers is poor."

The <u>Congestion Management Program for Riverside County</u> (CMP) published by the Riverside County Transportation Commission (RCTC) in 2011 designates LOS E as the "traffic standards must be set no lower than LOS E for any segment or intersection along the CMP System of Highways and Roadways" in Riverside County. "The intent of the CMP is to more directly link land use, transportation, and air quality, thereby prompting reasonable growth management programs that will effectively utilize new transportation funds, alleviate traffic congestion and related impacts, and improve air quality." ⁴ The CMP provides a mechanism for monitoring congestion on the highway system and, where congestion is observed, establishes procedures for developing a deficiency plan to address improvement needs. The reactive nature of the CMP to identify and remediate existing congestion differs from the proactive nature of the TUMF program to anticipate and provide for future traffic needs. For this reason, the TUMF

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⁴ Congestion Management Program for Riverside County – Executive Summary (Riverside County Transportation Commission, 2011) Page ES-3, ES-1

program follows the guidance of the <u>Highway Capacity Manual</u> in establishing LOS E as the threshold for unacceptable level of service, and subsequently as the basis for measuring system performance and accounting for existing needs. This approach ensures a more conservative accounting of existing system needs as part of the determination of the "fair share" of mitigating the cumulative regional impacts of future new development on the transportation system.

The continuing need for a mitigation fee on new development is shown by the adverse impact that new development will have on Western Riverside County's transportation infrastructure, and particularly the arterial highway network. As a result of the new development and associated growth in population and employment in Western Riverside County, additional pressure will be placed on the transportation infrastructure with the total peak period VMT on the Western Riverside County Regional System of Highways and Arterials (RSHA; also referred to as the TUMF Network) estimated to increase by approximately 38% or 1.2% compounded annually.

As shown in **Table 3.1**, the peak period VMT on arterial facilities within the TUMF Network experiencing LOS E or worse will increase by approximately 316% or 5.4% compounded annually in Western Riverside County in the period between 2018 and 2045. By 2045, 37% of the total VMT on the TUMF arterial highway system is forecast to be traveling on facilities experiencing daily LOS E or worse. Without improvements to the TUMF arterial highway system, the total vehicle hours of delay (VHD) experienced by area motorists on TUMF arterial highways during the peak periods will increase by approximately 5.0% per year. The combined influences of increased travel demand and worsened LOS that manifest themselves in severe congestion and delay highlighting the continuing need to complete substantial capacity expansion on the TUMF arterial highway system to mitigate the cumulative regional impact of increased travel demand resulting from new development.

The RivCoM outputs summarized in **Table 3.1** clearly demonstrate that the travel demands generated by future new development in the region will lead to increasing levels of traffic congestion, especially on the arterial roadways. The need to improve these roadways to accommodate the anticipated growth in VMT and relieve future congestion is therefore directly linked to the future development which generates the additional travel demand.

3.2 Future Transit Utilization Levels

In addition to the roadway network, public transportation will play a role in serving future travel demand in the region. Transit represents a critical component of the transportation system by providing an alternative mode choice for those not wanting to use an automobile, and particularly for those who do not readily have access to an automobile. As population and employment in Western Riverside County grows because of new development, demand for regional transit services in the region is also expected to grow.

While some future transit trips will be accommodated by inter-regional transit services such as Metrolink, a substantial number of the trips within Western Riverside County will be served by bus transit services and for this reason the provision of regional bus transit service is considered integral to addressing the cumulative regional transportation impacts of new developments. Regional bus transit services within Western Riverside County are primarily provided by RTA.

In 2023, RTA reported average weekday daily ridership of 16,575 on their network of buses⁵. The SCAG 2020 RTP/SCS forecasts for RTA average weekday daily ridership in 2045 is 57,282. These values were used to represent the existing and future transit trips consistent with the analysis of highway trips described in **Section 3.1**. The existing and future transit ridership were compared to assess the impact of new development on transit demand. Average weekday daily ridership would be expected to grow by 40,707 between 2023 and 2045, or an average increase of 1,850 weekday daily riders each year. Average weekday daily system ridership is summarized in **Appendix D**.

The future growth in demand for public transit services is reflective of the cumulative regional impacts of new development, and the associated increase in demand for all types of transportation infrastructure and services to accommodate this growth. Furthermore, bus transit ridership is expected to grow as the improved services being planned and implemented by RTA attract new riders and encourages existing riders to use transit more often as an alternative to driving. Attracting additional riders to bus transit services contributes to the mitigation of the cumulative regional transportation impacts of new development by reducing the number of trips that need to be served on the highway system. The need to provide additional bus transit services within Western Riverside County to satisfy this future demand is therefore directly linked to the future development that generates the demand.

3.3 The TUMF Concept

A sizable percentage of trip-making for any given local community extends beyond the bounds of the individual community as residents pursue employment, education, shopping and entertainment opportunities elsewhere. As new development occurs within a particular local community, this dispersal of trips of all purposes by new residents and the new business that serve them generates additional travel demand and contributes to the need for transportation improvements within their community and in the other communities of Western Riverside County. The idea behind a uniform mitigation fee is to have new development throughout the region contribute uniformly to paying the fair share cost of improving the transportation facilities that serve these trips between communities. Thus, the fee is intended to be used primarily to improve

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⁵ RTA, like most public transportation agencies, have seen significant short-term declines in transit ridership resulting from changes in travel demands, mode choice and trip distribution following the COVID-19 pandemic. RTA's 2016 actual average weekday daily ridership was 30,700. Post COVID-19, the RTA actual average weekday daily ridership in 2023 was 16,575, a decline of almost 50% of pre-pandemic ridership levels. These levels would be expected to continue to recover toward pre-pandemic levels as potential riders resume more regular work schedules, and apprehension toward the use of transit services for public health reasons wane.

transportation facilities that serve trips between communities within the region (in particular, arterial roadways and regional bus transit services).

Some roadways serve trips between adjacent communities, while some also serve trips between more distant communities within the region. The differing roadway functions led to the concept of using a portion of the fee revenues for a backbone system of arterial roadways that serve the longer-distance trips (i.e. using TUMF revenues from the entire region), while using a second portion of the fee revenues for a secondary system of arterials that serve inter-community trips within a specific subregion or zone (i.e. using TUMF revenues from the communities most directly served by these roads – to some extent, a return-to-source of that portion of the funds). Reflecting the importance of public transit to provide an alternative to highway travel as part of a balanced regional transportation strategy, a third portion of fee revenues was reserved for improvements to regional bus transit services (i.e. using TUMF revenues from the entire region).

Much, but not all, of the new trip-making in each area is generated by residential development (i.e. when people move into new homes, they create new trips on the transportation system as they travel to work, school, shopping or entertainment). Some of the new trips are generated simply by activities associated with new businesses (i.e. new businesses will create new trips through the delivery of goods and services, etc.). Apart from commute trips by residents coming to and from work, and the trips of residents coming to and from new businesses to get goods and services, the travel demands of new businesses are not considered to be directly attributable to residential development. The consideration of different sources of new travel demand is therefore reflected in the concept of assessing both residential and non-residential development for their related transportation impacts.

In summary, the TUMF concept includes the following:

- A uniform fee that is levied on new development throughout Western Riverside County.
- > The fee is assessed roughly proportionately on new residential and non-residential development based on the relative impact of each new use on the transportation system.
- A portion of the fee is used to fund capacity improvements on a backbone system of arterial roadways that serve longer-distance trips within the region; a portion of the fee is returned to the subregion or zone in which it was generated to fund capacity improvements on a secondary system of arterial roadways that link the communities in that area; and a portion of the fee is used to fund improvements to regional bus transit services that serve trips between the communities within the region.

4.0 THE TUMF NETWORK

4.1 Identification of the TUMF Roadway Network

An integral element of the initial Nexus Study was the designation of the Western Riverside County Regional System of Highways and Arterials. This network of regionally significant highways represents those arterial and collector highway and roadway facilities that primarily support inter-community trips in Western Riverside County and supplement the regional freeway system. As a result, this system also represents the extents of the network of highways and roadways that would be eligible for TUMF funded improvements. The TUMF Network does *not* include the freeways of Western Riverside County as these facilities primarily serve longer distance inter-regional trips and a significant number of pass-through trips that have no origin or destination in Western Riverside County⁶.

The TUMF Network is the system of roadways that serve inter-community trips within Western Riverside County and therefore are eligible for improvement funding with TUMF funds. The RSHA for Western Riverside County was identified based on several transportation network and performance guidelines as follows:

- 1. Arterial highway facilities proposed to have a minimum of four lanes at ultimate build-out (not including freeways).
- 2. Facilities that serve multiple jurisdictions and/or provide connectivity between communities both within and adjoining Western Riverside County.
- 3. Facilities with forecast traffic volumes exceeding 20,000 vehicles per day in the future horizon year.
- 4. Facilities with forecast volume to capacity ratio of 0.90 (LOS E) or greater in the future horizon year.
- 5. Facilities that accommodate regional fixed route transit services.
- 6. Facilities that provide direct access to major commercial, industrial, institutional, recreational or tourist activity centers, and multi-modal transportation facilities (such as airports, railway terminals and transit centers).

Appendix E includes exhibits illustrating the various performance measures assessed during the definition of the RSHA.

Transportation facilities in Western Riverside County that generally satisfied these guidelines were initially identified, and a skeletal regional transportation framework evolved from facilities where several guidelines were observed. Representatives of all WRCOG constituent jurisdictions reviewed this framework in the context of current local transportation plans to define the TUMF Network, which was subsequently endorsed by

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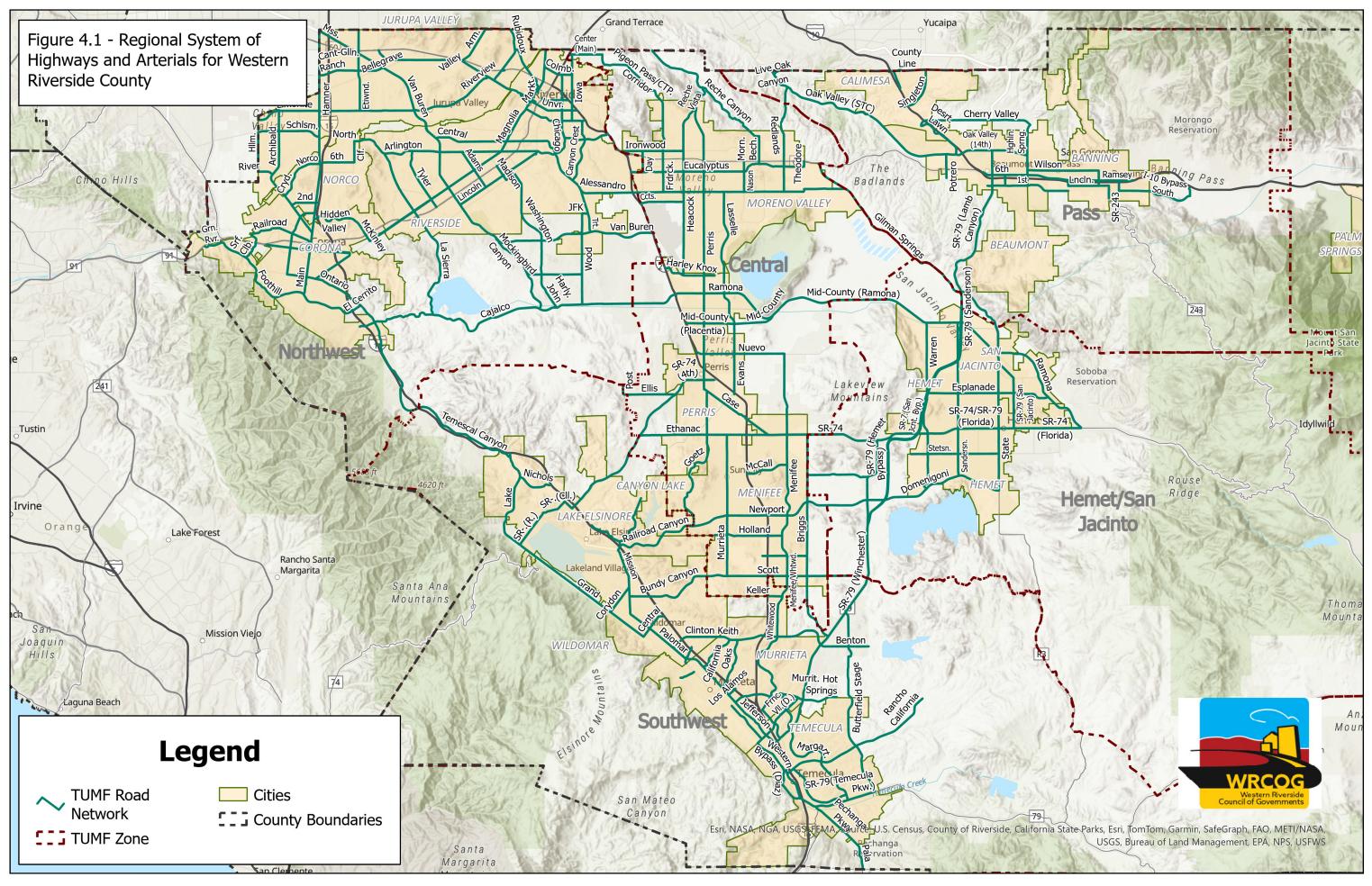
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⁶ Since pass-through trips have no origin or destination in Western Riverside County, new development within Western Riverside County cannot be considered responsible for mitigating the impacts of pass-through trips. The impact of pass-through trips and the associated cost to mitigate the impact of pass-through trips (and other inter-regional freeway trips) is addressed in the Riverside County Transportation Commission (RCTC) Western Riverside County Freeway Strategic Plan, Phase II – Detailed Evaluation and Impact Fee Nexus Determination, Final Report dated May 31, 2008.

the WRCOG Public Works Committee, WRCOG Technical Advisory Committee, TUMF Policy Committee and the WRCOG Executive Committee.

The RSHA is illustrated in **Figure 4.1**. As stated previously, the RSHA represents those regional significant highway facilities that primarily serve inter-community trips in Western Riverside County and therefore also represents the extents of the network of highways and roadways that would be eligible for TUMF funded improvements.

The TUMF Network was reviewed as part of the 2024 Nexus Update to ensure facilities generally still met the previously described performance guidelines, and/or that the scope and magnitude of specific improvements to the TUMF Network were roughly proportional to the impacts needing to be mitigated. This review process resulted in the removal of various facilities from the TUMF Network, as well as various changes in the scope and magnitude of specific improvements to the TUMF Network. The resulting TUMF Network used as the basis for this Nexus Update is discussed in **Section 4.3** of this report.



4.2 Backbone Network and Secondary Network

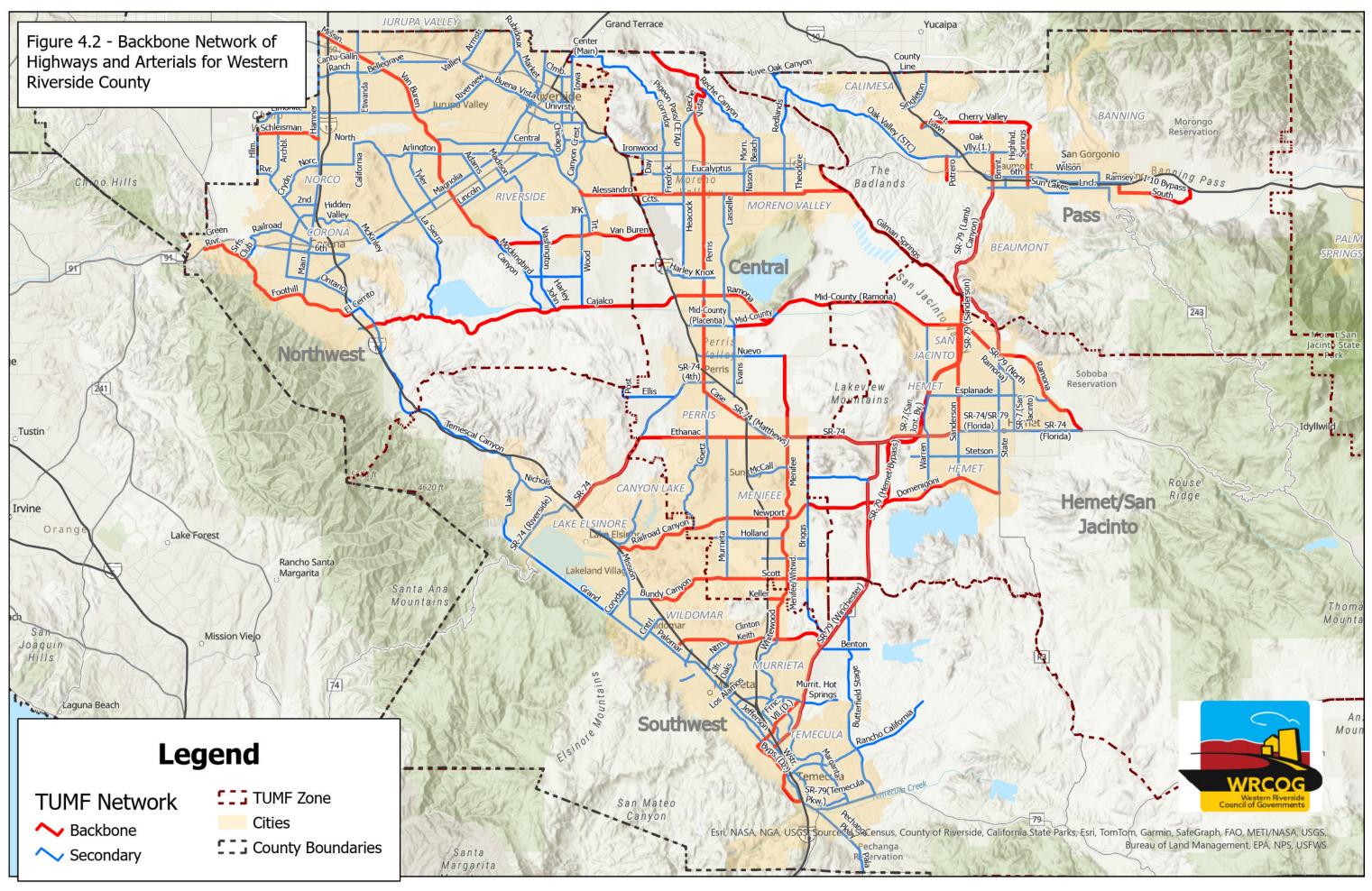
As indicated previously, the TUMF roadway network was refined to distinguish between facilities of "Regional Significance" and facilities of "Zonal Significance." Facilities of Regional Significance were identified as those that typically are proposed to have a minimum of six lanes at general plan build-out⁷, extend across and/or between multiple Area Planning Districts⁸, and are forecast to carry at least 25,000 vehicles per day in 2045. The Facilities of Regional Significance have been identified as the "backbone" highway network for Western Riverside County. A portion of the TUMF fee is specifically designated for improvement projects on the backbone system. The backbone network is illustrated in **Figure 4.2**.

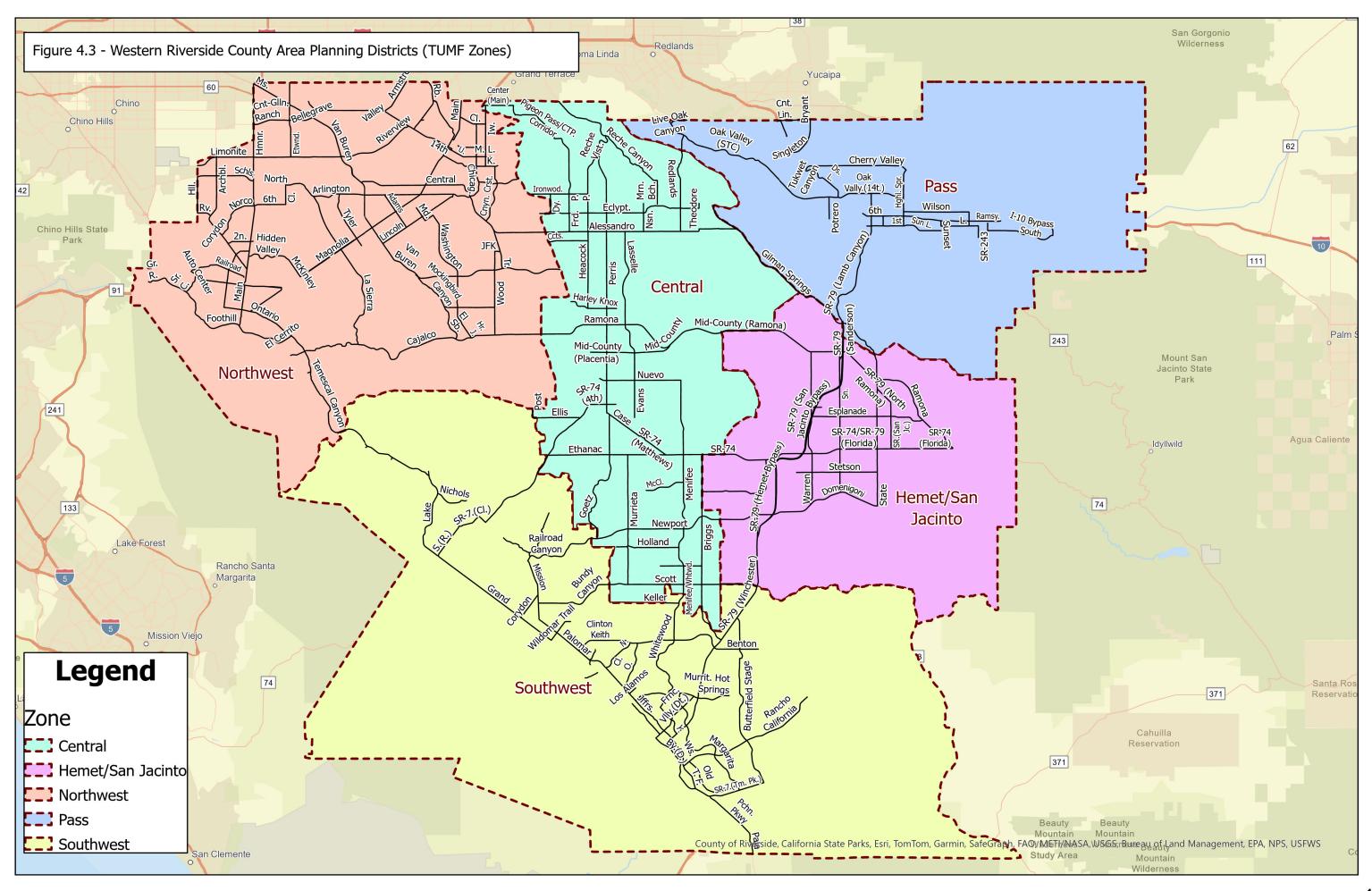
Facilities of Zonal Significance (the "secondary" network) represent the balance of the RSHA for Western Riverside County. These facilities are typically within one zone and carry comparatively lesser traffic volumes than the backbone highway network, although they are considered significant for circulation within the respective zone. A portion of the TUMF is specifically designated for improvement projects on the secondary network within the zone in which it is collected. The WRCOG APD or zones are illustrated in **Figure 4.3**.

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⁷ Although facilities were identified based on the minimum number of lanes anticipated at general plan buildout, in some cases it was determined that there was not sufficient demand for all additional lanes on some facilities until beyond the current timeframe of the TUMF Program (2045). As a result, only a portion of the additional lanes on these facilities have currently been identified for funding with TUMF revenues, reflecting the cumulative impact of new development through the current duration of the TUMF Program.

⁸ Area Planning Districts (APD) are the five aggregations of communities used for regional planning functions within the WRCOG area. Area Planning Districts are interchangeably referred to as TUMF Zones.





4.3 Future Roadway Transportation Needs

To calculate a "fair share" fee for new development, it is necessary to estimate the cost of improvements on the TUMF system that will be needed to mitigate the cumulative regional impacts of future transportation demands created by new development. Estimates of the cost to improve the network to mitigate the cumulative impacts of new development were originally developed based on unit costs prepared for the Coachella Valley Association of Governments (CVAG) Regional Arterial Cost Estimate (RACE), and the WRCOG Southwest District SATISFY 2020 Summary of Cost Estimates (TKC/WRCOG 2000). The RACE cost estimates were developed based on a summary of actual construction costs for projects constructed in Riverside County in 1998.

The initial unit cost estimates for the TUMF (based on inflated RACE cost estimates) were reviewed in the context of the SATISFY 2020 Draft Cost Estimates and were consolidated to provide typical improvement costs for each eligible improvement type. The refinement of unit costs was completed to simplify the process of estimating the cost to improve the entire TUMF network. Based on RACE and SATISFY 2020, consolidated cost estimates included typical per mile or lump sum costs for each of the improvement types eligible under the TUMF Program. The resultant revised unit cost estimates were used as the basis for estimating the cost to complete the necessary improvements to the TUMF network to mitigate the cumulative regional transportation impacts of new development.

Variations in the consolidated cost estimates for specific improvement types were provided to reflect differences in topography and land use across the region. Unit costs for roadway construction were originally varied to account for variations in construction cost (in particular, roadway excavation and embankment cost) associated with construction on level (code 1) rolling (code 2) and mountainous (code 3) terrain, respectively. Right-of-way acquisition costs which originally included consideration for land acquisition, documentation and legal fees, relocation and demolition costs, condemnation compensation requirements, utility relocation, and environmental mitigation costs were also varied to account for variations in right-of-way costs associated with urban (developed commercial/residential mixed uses – code 1), suburban (developed residential uses – code 2) and rural (undeveloped uses – code 3) land uses, respectively. Lump sum costs for interchange improvements were originally varied to account for variations in cost associated with new complex, new standard (or fully reconstructed), or major (or partially reconstructed) or minor (individual ramp improvements) interchange improvements.

As part of the 2024 TUMF Nexus Update, the original unit cost categories were revised to generate entirely new unit cost values based on the most recent available construction cost, labor cost and land acquisition cost values for comparable projects within Riverside County. The recalculation of the TUMF unit cost components was completed

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⁹ Parsons Brinckerhoff/Coachella Valley Association of Governments, 1999, <u>Regional Arterial Cost Estimate</u> (RACE)

¹⁰ TKC/Western Riverside Council of Governments, 2000, <u>SATISFY 2020 Summary of Cost Estimates</u>

as part of the 2024 Nexus Update to reflect the effects of significant changes in materials, labor and land acquisition costs including the influences of supply chain disruptions during and following the COVID-19 pandemic, and the elevated rates of inflation prevailing in the past few years. **Appendix F** provides a detailed outline of the assumptions and methodology leading to the revised TUMF unit cost assumptions developed as part of the 2024 Nexus Update. A new category was also added to the cost assumptions to facilitate the use of intelligent transportation systems (ITS) to enhance traffic flows in arterial corridors that require mitigation but cannot accommodate construction of addition lane capacity.

Section 8.5.1 of the Riverside County Integrated Project (RCIP) Multiple Species Habitat Conservation Plan (MSHCP) adopted by the Riverside County Board of Supervisors on June 17, 2003, states that "each new transportation project will contribute to Plan Historically, these projects have budgeted 3% - 5% of their implementation. construction costs to mitigate environmental impacts." This expectation is reiterated in the Western Riverside County Multiple Species Habitat Conservation Plan Nexus Fee Study Update (Economic & Planning Systems, Inc., October 2020) Section 6 which indicates that "about 44% of the revenue for the program" is expected to be derived from non-fee sources, including "the Measure A sales tax which is authorized through 2039 and other transportation funding sources such as the Transportation Uniform Mitigation Fees (TUMF)." Consistent with the MSHCP Nexus Report, an amount equal to 5% of the construction cost for new TUMF network lanes, bridges and railroad grade separations will be specifically included as part of TUMF Program with revenues to be provided to the Western Riverside County Regional Conservation Authority (RCA) for the acquisition of land identified in the MSHCP. The relevant sections of the MSHCP document and the most recent MSHCP Nexus Report are included in Appendix F.

Table 4.1 summarizes the unit cost estimate assumptions used to develop the TUMF network cost estimate as part of the current Nexus Update. **Table 4.1** also includes a comparison of the original TUMF unit cost assumptions and the 2016 Nexus Study unit cost assumptions that demonstrates the significant increases in unit costs observed during recent years. In most cases the unit cost assumptions have more than doubled from those used for the 2016 Nexus Study. Cost estimates are provided in current year values as indicated.

To estimate the cost of improving the regional network to provide for traffic growth from new development, the network characteristics and performance guidelines (outlined in **Section 4.1**) were initially used as a basis for determining the needed improvements. The initial list of improvements was then compared with local General Plan Circulation Elements to ensure that the TUMF network included planned arterial roadways of regional significance. A consolidated list of proposed improvements and the unit cost assumptions were then used to establish an initial estimate of the cost to improve the network to mitigate for future traffic growth associated with new development. This initial list of proposed improvements has since been revised and updated as part of each subsequent Nexus Update to reflect the completion of projects, changing levels of development and associated changes in travel demand and transportation system impacts to be mitigated as part of the TUMF program.

Table 4.1 - Unit Costs for Arterial Highway and Street Construction

Component Type	Original Cost Assumptions as published October 18, 2002	Cost Assumptions per 2016 Nexus Study July 10, 2017	Cost Assumptions per 2024 Nexus Update	Description
Terrain 1	\$550,000	\$692,000	\$1,132,000	Construction cost per lane mile - level terrain
Terrain 2	\$850,000	\$878,000	\$1,740,000	Construction cost per lane mile - rolling terrain
Terrain 3	\$1,150,000	\$1,064,000	\$2,350,000	Construction cost per lane mile - mountainous terrain
Landuse 1	\$900,000	\$2,509,000	\$7,830,000	ROW cost factor per lane mile - urban areas
Landuse 2	\$420,000	\$2,263,000	\$5,440,000	ROW cost factor per lane mile - suburban areas
Landuse 3	\$240,000	\$287,000	\$490,000	ROW cost factor per lane mile - rural areas
Interchange 1	n/a	\$50,032,000	\$84,190,000	Complex new interchange/interchange/modification cost
Interchange 2	\$20,000,000	\$25,558,000	\$43,490,000	New interchange/interchange modification total cost
Interchange 3	\$10,000,000	\$12,343,000	\$22,550,000	Major interchange improvement total cost
Bridge 1	\$2,000	\$3,180	\$4,800	Bridge total cost per lane per linear foot
RRXing 1	\$4,500,000	\$6,376,000	\$18,200,000	New Rail Grade Crossing per lane
RRXing 2	\$2,250,000	\$2,733,000	\$6,900,000	Existing Rail Grade Crossing per lane
ITS 1			\$686,400	Infrastructure for ITS of roadway segments per route mile
Planning	10%	10%	10%	Planning, preliminary engineering and environmental assessment costs based on construction cost only
Engineering	25%	25%	25%	Project study report, design, permitting and construction oversight costs based on construction cost only
Contingency	10%	10%	10%	Contingency costs based on total segment cost
Administration		4%	4%	TUMF program administration based on total TUMF eligible network cost
MSHCP		5%	5%	TUMF component of MSHCP based on total TUMF eligible construction cost

As indicated in **Table 2.4** and **Figure 2.4**, the anticipated rate of forecasted growth in Western Riverside County has been reduced by 4% for population, 3% for single-family residential and 31% for employment. This reduced rate of forecasted socioeconomic growth has a commensurate impact on the forecasted daily traffic in the region as demonstrated by the 2016 Nexus Study VMT compared to the 2024 Nexus Update VMT in **Table 4.2**. As shown in the table, the forecast peak period VMT on the TUMF arterial network in the year 2045 as the basis for the 2024 Nexus Update is more than 5% less than the comparable peak period VMT for 2040 used for the 2016 Nexus Study.

Table 4.2 – Forecasted Daily Traffic in Western Riverside County

	2024 Nex	us Update	2016 Nexus Study		
Measure of Performance	Peak	Period	Peak Period		
	2018 Existing	2045 No-Build	2012 Existing	2040 No-Build	
VMT - Total ALL FACILITIES	23,284,724	29,897,254	19,532,437	29,277,587	
VMT - FREEWAYS	13,514,522	15,490,284	11,019,155	14,487,570	
VMT - ALL ARTERIALS	9,770,202	14,406,970	8,513,282	14,790,016	
TOTAL - TUMF ARTERIAL VMT	6,216,985	8,597,200	5,585,202	9,089,495	

Source: RivCoM 2018 base network and SCAG 2020 RTP/SCS SED with updated 2021 arterial network as existing in December 2021; RivTAM 2012 network and SCAG 2016 RTP/SCS SED with updated 2015 arterial network completed by WSP, September 2016

As a result of the reduced forecast traffic growth in the region, it is anticipated that the cumulative regional impacts of new development on the arterial highway and transit systems in the region is also reduced necessitating a reduction in the projects identified on the TUMF Network to mitigate the impacts of new development. As part of the 2024 Nexus Update, the list of proposed improvements included in the initial Nexus Study and validated during the subsequent Nexus updates was reviewed for accuracy and, where necessary, amended to remove or modify projects that have changed in need to mitigate impacts based on changes in the patterns of growth and travel demand within the region. Projects completed since the adoption of the 2016 Nexus Update were also removed from the network to reflect the fact that mitigation at these locations is no longer required. The specific network changes were screened by the WRCOG Public Works Committee for consistency with TUMF network guidelines including travel demand and traffic performance.

Based on the findings of the network screening, elements of specific projects were revised to reflect necessary network corrections and modifications to project assumptions. A matrix summarizing the disposition of the requests received as part of the 2024 TUMF Nexus Update was developed and is included in **Appendix G**.

Eligible arterial highway and street improvement types to mitigate the cumulative regional transportation impacts of new development on Network facilities include:

- 1. Construction of additional Network roadway lanes
- 2. Construction of new Network roadway segments
- 3. Expansion of existing Network bridge structures
- 4. Construction of new Network bridge structures
- 5. Expansion of existing Network interchanges with freeways
- 6. Construction of new Network interchanges with freeways
- 7. Grade separation of existing Network at-grade railroad crossings
- 8. Installation of ITS along Network roadway segments

All eligible improvement types, except for ITS, provide additional capacity to Network facilities to accommodate future traffic growth generated by new development in Western Riverside County. ITS provides the ability to improve traffic flows along corridors

where capacity expansion is not possible. Following the comprehensive update of the TUMF Program, the estimated total cost to improve the RSHA for Western Riverside County is \$4.84 billion with this cost including all arterial highway and street planning, engineering, design, right-of-way acquisition and capital construction costs, but not including transit, MSHCP or program administration costs that will be subsequently described. It should be noted that the full cost to improve the TUMF Network cannot be entirely attributed to new development and must be adjusted to account for the previous obligation of other funds to complete necessary improvements and unfunded existing needs. **Sections 4.5** and **4.6** describe the adjustments to the total TUMF Network improvement need to account for existing needs and obligated funds.

In addition to the arterial highway and street improvement costs indicated above, the TUMF Nexus Update included specific consideration for the TUMF Program obligation to the MSHCP program to mitigate the impact of TUMF network improvements on species and habitat within Western Riverside County. The TUMF obligation to MSHCP was calculated at a rate of 5% of the total construction (capital) cost of new lane segments, bridges and railroad grade separations on the TUMF Network. The total obligation to the MSHCP as indicated in the TUMF Network cost fee table is approximately \$64.6 million, although the total obligation specific to the TUMF program is reduced to account for MSHCP obligations associated with improvements addressing existing needs and therefore excluded from TUMF.

The TUMF 2024 Nexus Update similarly includes specific consideration of the costs associated with WRCOG administration of the TUMF Program. The average cost for WRCOG to administer the TUMF Program was calculated at a rate of 4% of the total eligible cost of new lane segments (including interchanges, bridges and railroad grade separations) on the TUMF Network and new transit services. Administration costs incurred by WRCOG include direct salary, fringe benefit and overhead costs for WRCOG staff assigned to administer the program and support participating jurisdictions, and costs for consultant, legal and auditing services to support the implementation of the TUMF program. The total cost for WRCOG administration of the TUMF Program as indicated in the TUMF Network cost fee table is approximately \$161.2 million.

The detailed TUMF network cost calculations are provided in **Section 4.7**, including each of the individual segments and cost components considered as part of the TUMF Program, and the maximum eligible TUMF share for each segment following adjustments for obligated funding and unfunded existing needs as described in subsequent sections.

4.4 Public Transportation Component of the TUMF System

In addition to the roadway network, public transportation plays a key role in serving future travel demand in the region. Public transportation serving inter-community trips is generally provided in the form of public bus transit services and in particular express bus or other high frequency services between strategically located community transit centers. In Western Riverside County, these bus transit services are typically provided by

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RTA. Transit needs to serve future regional travel in Western Riverside County via bus transit include vehicle acquisitions, transit centers, express bus stop upgrades, maintenance facilities and other associated capital improvements to develop express bus or other high frequency inter-community transit bus services within the region. Metrolink commuter rail service improvements were not included in the TUMF Program as they typically serve longer inter-regional commute trips equivalent to freeway trips on the inter-regional highway system.

The network of regionally significant bus transit services represents those express bus and other high frequency transit bus services that primarily support inter-community trips in Western Riverside County and supplement the regional highway system and interregional commuter rail services. As a result, this portion of the bus transit system also represents the extents of the network of bus services that would be eligible for TUMF funded improvements.

The TUMF Bus Transit Network is the system of bus services that serve inter-community trips within Western Riverside County and therefore are eligible for improvement funding with TUMF funds. The Bus Transit Network for Western Riverside County was identified based on several transit network and performance guidelines as follows:

- 1. Bus transit routes (or corridors comprised of multiple overlapping routes) proposed to have a frequency of greater than three buses per direction during peak hours at ultimate build out.
- Routes or corridors that serve multiple jurisdictions and/or provide connectivity between communities, both within and adjoining western Riverside County.
- 3. Routes or corridors with forecast weekday bus ridership in excess of 1,000 person trips per day by 2040.
- 4. Routes or corridors that are proposed to provide timed interconnections with at least four other routes or corridors at ultimate build out.
- 5. Routes or corridors that utilize the majority of travel along the TUMF RSHA.
- 6. Routes or corridors that provide direct access to areas of forecast population and employment growth, major commercial, industrial, institutional, recreational or tourist activity centers, and multi-modal transportation facilities (such as airports, railway terminals and transit centers).

Express bus routes and other high-frequency bus transit routes and corridors in Western Riverside County that generally satisfied the respective guidelines were identified by RTA. Updated cost estimates for improving the infrastructure serving public transportation, including construction of transit centers and transfer facilities, express bus stop upgrades, and capital improvements needed to develop express bus and other high frequency bus transit service within the region were also provided by RTA. The updated transit unit cost data provided by RTA are shown in **Table 4.3**.

Table 4.3 - Unit Costs for Transit Capital Expenditures

Component Type*	Original Cost Assumptions as published October 18, 2002	Cost Assumptions per 2016 Nexus Study July 10, 2017	Cost Assumptions per 2024 Nexus Update	Description
Transit Center 1		\$6,000,000	\$7,465,000	Relocation/expansion of existing Regional Transit Center with up to 14 bus bays and park and ride
Transit Center 2	\$6,000,000	\$9,000,000	\$11,195,000	New Regional Transit Center with up to 14 bus bays and park and ride
Transfer Facility		\$1,000,000	\$1,245,000	Multiple route transfer hub
O & M Facility		\$50,000,000	\$62,186,000	Regional Operations and Maintenance Facility
Green Technology			\$100,000	ZEB technology enhancements
Bus Stop	\$10,000	\$40,000	\$50,000	Bus Stop Amenities Upgrade on TUMF Network
BRT Service Capital	\$540,000	\$60,000	\$75,000	BRT/Limited Stop Service Capital (per stop**)
Vehicle Fleet 1***			\$160,000	Small Sized Bus/Van Contract Operated
Vehicle Fleet 2		\$155,000	\$300,000	Medium Sized Bus Contract Operated
Vehicle Fleet 3	\$325,125	\$585,000	\$1,271,000	Large Sized Bus Directly Operated
COA Study		\$950,000	\$1,150,000	Comprehensive Operational Analysis Study component of Nexus Study Update

^{*} Transit Cost Component Types were restructured as part of the 2016 Nexus Update in accordance with the RTA Comprehensive Operational Analysis (January 2015)

The estimated total cost for future RTA bus transit services to accommodate forecast transit demand is approximately \$217.9 million with this cost including all planning, engineering, design and capital improvement costs. Detailed transit component cost estimates are included in **Section 4.7**. The full cost to improve RTA bus transit services cannot be entirely attributed to new development and must be adjusted to account for existing needs. **Section 4.6** describes the adjustments to the total transit cost to account for existing needs.

^{**} BRT Service Capital Cost Assumption was based on a per mile unit prior to the 2016 Nexus Update. 2016 Nexus Update uses a per stop unit cost for BRT Service Capital

^{***} Vehicle Fleet component was restructured as part of the 2024 Nexus Update with the inclusion of Small Sized Bus/Van Contract Operated as Vehicle Fleet 1 and subsequent renumbering of Vehicle Fleet 2 and 3, respectively

4.5 Existing Obligated Funding

For some of the facilities identified in the TUMF network, existing obligated funding has previously been secured through traditional funding sources to complete necessary improvements. Since funding has been obligated to provide for the completion of needed improvements to the TUMF system, the funded cost of these improvements will not be recaptured from future developments through the TUMF Program. As a result, the TUMF network cost was adjusted accordingly to reflect the availability of obligated funds.

To determine the availability of obligated funds, WRCOG staff, in conjunction with RCTC staff, completed a review of the current Federal Transportation improvement Program (FTIP) to identify TUMF eligible projects that were also programmed to receive funding from alternate sources. A table summarizing the obligated funds for segments of the TUMF network is included in **Appendix H**. A total of \$382.9 million in obligated funding was identified for improvements to the TUMF system. The estimated total TUMF network project cost was subsequently reduced by this amount.

4.6 Unfunded Existing Improvement Needs

A review of the existing traffic conditions on the TUMF network (as presented in **Table 3.1**) indicates that some segments of the roadways on the TUMF system currently experience congestion and operate at unacceptable levels of service. In addition, demand for inter-community transit service already exists and future utilization of proposed inter-community transit services will partially satisfy this existing demand. The need to improve these portions of the system is generated, at least in part, by existing demand, rather than solely the cumulative regional impacts of future new development, so future new development cannot be assessed for the equivalent cost share of improvements providing for this existing need.

To account for existing need in the TUMF Network, the cost for facilities identified as currently experiencing LOS E or F was adjusted. This was done by identifying the portion of any segment of the TUMF Network with a volume to capacity (v/c) ratio of greater than 0.9 (the threshold for LOS E) in the RivCoM 2018 Existing scenario and extracting the share of the overall facility cost to improve that portion. This cost adjustment provides for the mitigation of incremental traffic growth on those TUMF segments with an existing high level of congestion. The following approach was applied to account for incremental traffic growth associated with new development as part of the existing need methodology:

1. Facilities with an existing need were identified by reviewing the RivCoM 2018 Existing scenario assigned traffic on the 2021 existing network and delineating

those facilities included on the TUMF Cost Fee Summary Table that have an average directional v/c exceeding 0.9011.

- a. Weighted directional v/c values were used to determine existing need for network segments, which was calculated by:
 - Determining the length for the portion of each segment (model link), and calculating the ratio of link length to the overall segment length
 - ii. Generating the average directional v/c for each link, for both directions in AM and PM periods, and multiplying by link/segment length ratio
 - iii. Determining the maximum peak-period peak-direction v/c for each link, representing the highest directional v/c in either AM or PM
 - iv. Calculating weighted average v/c for each TUMF segment, based on the sum of all weighted max v/c values of each link within a segment
- b. A similar method was used to determine existing need for spot improvements including interchanges, railroad crossings and bridges. However, no weighting was used in the calculation of existing need for spot improvements. For these facilities, the peak-period peak-direction v/c values (highest directional v/c in either AM or PM) were utilized in the existing need calculation. This was based on the individual link within a network segment where a bridge or railroad crossing is located, or on-and off-ramps in the case of interchanges.
- 2. Initial costs of addressing the existing need were calculated by estimating the share of a particular roadway segments "new lane" cost, or individual spot improvement cost (including all associated ROW and soft costs).
- 3. Incremental growth in v/c was determined by comparing the average directional exisiting year v/c for the TUMF facilities (delineated under step one) with the horizon year v/c for the corresponding segments and spot improvements calculated based on the RivCoM 2045 No-Build scenario assigned traffic on the 2021 existing network using the same methodology as the existing year v/c.

¹¹ The RivCoM 2021 Existing Network used for the TUMF Nexus Study analyses reflects the RivCoM 2018 base year network augmented to include highways facilities on the TUMF Network as they existed in December 2021. A second version of the base network was also developed adding only those facilities that had been identified on the 2016 TUMF Nexus study 2040 Build scenario that did not currently exist in December 2021 and therefore were not represented by a link(s) in the RivCoM base network. The Supplemental 2021 Existing Network was utilized as the basis for determining existing and future v/c for only those projects that did not currently exist on the 2021 TUMF Network.

- 4. The proportion of the incremental growth attributable to new development was determined by dividing the result of step three with the total 2045 No-Build scenario v/c exceeding LOS E.
- 5. For those segments experiencing a net increase in v/c over the base year, TUMF will 'discount' the cost of existing need improvements by the proportion of the incremental v/c growth through 2045 No-Build compared to the 2018 Baseline v/c (up to a maximum of 100%).

The unfunded cost of existing highway improvement needs (including the related MSHCP obligation) totals \$582.6 million. **Appendix H** includes a detailed breakdown of the existing highway improvement needs on the TUMF network, including the associated unfunded improvement cost estimate for each segment and spot improvement experiencing unacceptable LOS.

For transit service improvements, the cost to provide for existing demand was determined by multiplying the total transit component cost by the share of future transit trips representing existing demand. The cost of existing transit service improvement needs is \$63.0 million representing 28.9% of the TUMF transit component. **Appendix H** includes tables reflecting the calculation of the existing transit need share and the existing transit need cost.

4.7 Maximum TUMF Eligible Cost

A total of \$382.9 million in obligated funding was identified for improvements to the TUMF system. Since these improvements are already funded with other available revenue sources, the funded portion of these projects cannot also be funded with TUMF revenues. Furthermore, the total cost of the unfunded existing improvement need is \$646.9 million. These improvements are needed to mitigate existing transportation deficiencies and therefore their costs cannot be assigned to new development through TUMF.

Based on the estimated costs described in **Sections 4.3** and **4.4**, the total value to complete the identified TUMF network and transit improvements, and administer the program is \$5.28 billion. Having accounted for obligated funds and unfunded existing needs as described in **Sections 4.5** and **4.6**, respectively, the estimated maximum eligible value of the TUMF Program is \$4.24 billion. The maximum eligible value of the TUMF Program includes approximately \$3.87 billion in eligible arterial highway and street related improvements and \$154.8 million in eligible transit related improvements. An additional \$53.9 million is eligible as part of the TUMF Program to mitigate the impact of eligible TUMF related arterial highway and street projects on critical native species and wildlife habitat, while \$161.2 million is provided to cover the costs incurred by WRCOG to administer the TUMF Program.

Figure 4.4 illustrates the various improvements to the RSHA included as part of the TUMF network cost calculation. **Table 4.4** summarizes the TUMF network cost calculations for each of the individual segments. This table also identifies the maximum eligible TUMF share for each segment having accounted for obligated funding and unfunded

existing need. A detailed breakdown of the individual cost components and values for the various TUMF Network segments is included in **Appendix H**. **Table 4.5** outlines the detailed transit component cost estimates. It should be noted that the detailed cost tables (and fee levels) are subject to regular review and updating by WRCOG and therefore WRCOG should be contacted directly to obtain the most recently adopted version of these tables (and to confirm the corresponding fee level).

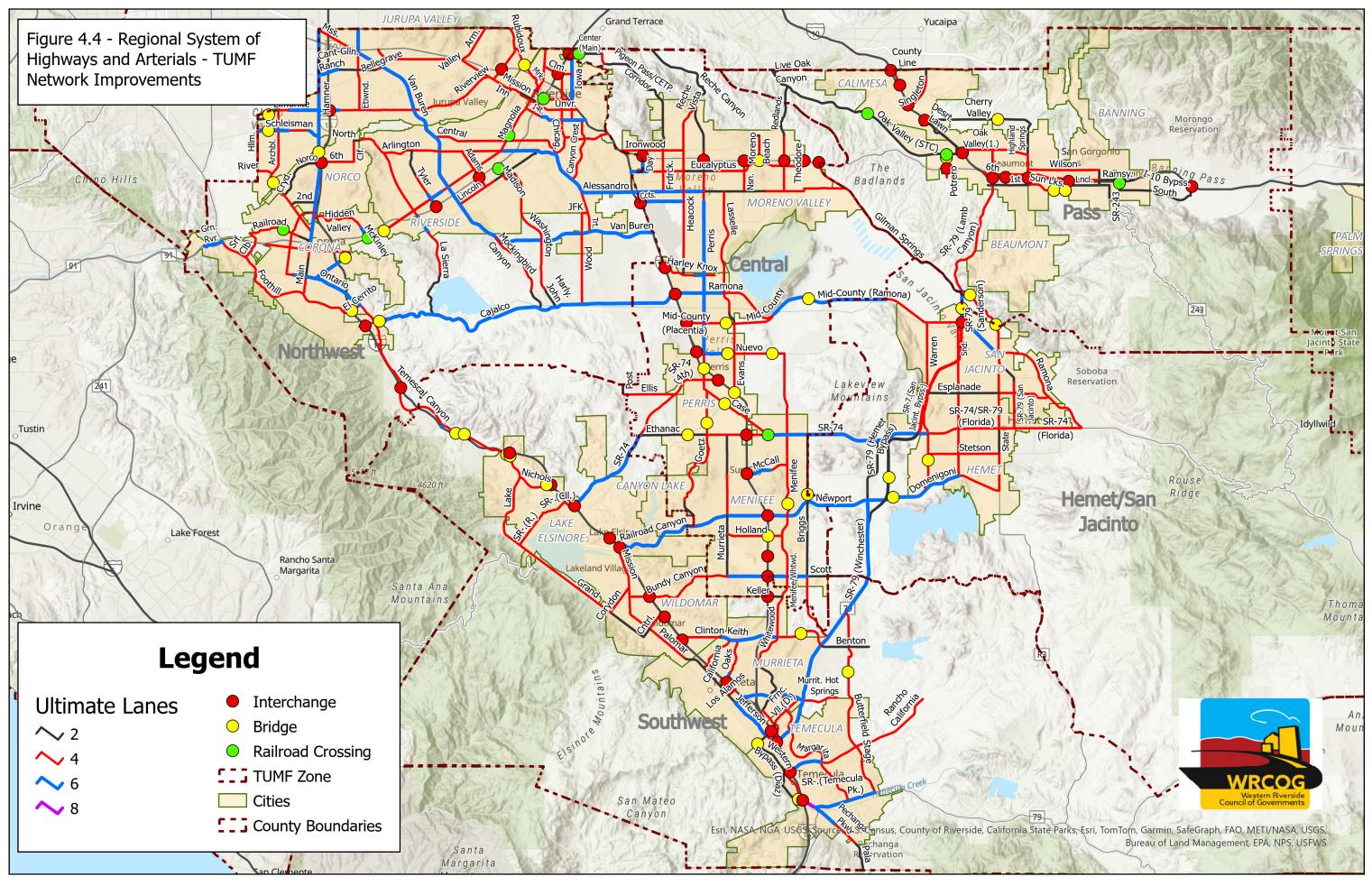


Table 4.4 - TUMF Network Cost Estimates

AREA PLAN DIS		STREETNAME	SEGMENTFROM	SEGMENTTO		XIMUM TUMF SHARE
Central	Menifee	Ethanac	Goetz	Murrieta	\$0 \$0	\$0
Central	Menifee	Ethanac	Murrieta	I-215	\$0	\$0
Central	Menifee	Ethanac	I-215	interchange	\$32,698,000	\$32,698,000
Central	Menifee	Ethanac	Sherman	Matthews	\$2,674,000	\$2,674,000
Central	Menifee	Ethanac	BNSF San Jacinto Branch	railroad crossing	\$105,560,000	\$105,560,000
Central	Menifee	Menifee	SR-74 (Pinacate)	Simpson	\$1,307,000	\$1,307,000
Central	Menifee	Menifee	Salt Creek	bridge	\$4,384,000	\$4,384,000
Central	Menifee	Menifee	Simpson	Aldergate	\$0	\$0
Central	Menifee	Menifee	Aldergate	Newport	\$0	\$0
Central	Menifee	Menifee	Newport	Holland	\$0	\$0
Central	Menifee	Menifee	Holland	Garbani	\$0	\$0
Central	Menifee	Menifee	Garbani	Scott	\$4,353,000	\$4,353,000
Central	Menifee	Menifee/Whitewood	Scott	Murrieta City Limit	\$0	\$0
Central	Menifee	Newport	Goetz	Murrieta	\$0	\$0
Central	Menifee	Newport	Murrieta	I-215	\$1,130,000	\$1,130,000
Central	Menifee	Newport	I-215	Menifee	\$0	\$0
Central	Menifee	Newport	Menifee	Lindenberger	\$0	\$0
Central	Menifee	Newport	Lindenberger	SR-79 (Winchester)	\$0	\$0
Central	Menifee	Scott	I-215		\$8,635,000	
				Briggs		\$8,635,000
Central	Menifee	Scott	I-215	interchange	\$0	\$0
Central	Menifee	Scott	Sunset	Murrieta	\$4,388,000	\$4,388,000
Central	Menifee	Scott	Murrieta	I-215	\$16,949,000	\$12,949,000
Central	Menifee	SR-74	Matthews	Briggs	\$8,254,000	\$8,254,000
Central	Moreno Valley	Alessandro	I-215	Perris	\$13,420,000	\$13,420,000
Central	Moreno Valley	Alessandro	Perris	Nason	\$0	\$0
Central	Moreno Valley	Alessandro	Nason	Moreno Beach	\$0	\$0
Central	Moreno Valley	Alessandro	Moreno Beach	Gilman Springs	\$18,019,000	\$18,019,000
Central	Moreno Valley	Gilman Springs	SR-60	Alessandro	\$7,291,000	\$7,291,000
Central	Moreno Valley	Gilman Springs	SR-60	interchange	\$0	\$0
Central	Moreno Valley	Perris	Reche Vista	Ironwood	\$0	\$0
Central	Moreno Valley	Perris	Ironwood	Sunnymead	\$0 \$0	\$0 \$0
Central	Moreno Valley	Perris	SR-60	interchange	\$32,698,000	\$11,192,000
Central	Moreno Valley	Perris	Sunnymead	Cactus	\$0	\$0
Central	Moreno Valley	Perris	Cactus	Harley Knox	\$0	\$0
Central	Moreno Valley	Reche Vista	Country	Heacock	\$7,486,000	\$3,799,000
Central	Perris	11th/Case	Perris	Goetz	\$4,582,000	\$4,582,000
Central	Perris	Case	Goetz	I-215	\$20,876,000	\$20,876,000
Central	Perris	Case	San Jacinto River	bridge	\$1,740,000	\$1,235,000
Central	Perris	Ethanac	Keystone	Goetz	\$6,056,000	\$6,056,000
Central	Perris	Ethanac	San Jacinto River	bridge	\$5,568,000	\$5,568,000
Central	Perris	Ethanac	I-215	Sherman	\$5,316,000	\$5,316,000
Central	Perris	Goetz	Case	Ethanac	\$1,507,000	\$999,000
Central	Perris	Goetz	San Jacinto River	bridge	\$5,568,000	\$3,398,000
Central	Perris	Mid-County (Placentia)	I-215	Perris	\$15,655,000	\$15,655,000
Central	Perris	Mid-County (Placentia)	I-215	interchange	\$0	\$0
Central	Perris	Mid-County (Placentia)	Perris	Evans	\$22,985,000	\$22,985,000
Central	Perris	Mid-County (Placentia)	Perris Valley Storm Channel	bridge	\$8,352,000	\$8,352,000
Central	Perris	Perris	Harley Knox	Ramona	\$0	\$0
Central	Perris	Perris	Ramona	Citrus	\$7,063,000	\$7,063,000
Central	Perris	Perris	Citrus	Nuevo	\$0	\$0
Central	Perris	Perris	Nuevo	11th	\$6,927,000	\$6,927,000
Central	Perris	Perris	I-215 overcrossing	bridge	\$0	\$0
Central	Perris	Ramona	I-215	Perris	\$5,039,000	\$5,039,000
Central	Perris	Ramona	I-215	interchange	\$32,698,000	\$7,725,000
Central	Perris	Ramona	Perris	Evans	\$0	\$0
Central	Perris	Ramona	Evans	Mid-County (2,800 ft E of Rider)	\$0	\$0
Central	Perris	SR-74 (4th)	Ellis	I-215	\$0	\$0
Central	Unincorporated		SR-74	Keystone	\$4,666,000	\$4,666,000
Central	Unincorporated		Alessandro	Bridge Road	\$30,601,000	\$30,601,000
Central	Unincorporated		Nuevo	SR-74 (Pinacate)	\$16,684,000	\$16,684,000
			Evans			
Central	Unincorporated			Ramona (2,800 ft E of Rider)	\$12,156,000	\$12,156,000
Central		Mid-County (Ramona)	Ramona (2,800 ft E of Rider)	Pico Avenue	\$0	\$0
Central		Mid-County (Ramona)	Pico Avenue	Bridge Road	\$47,769,000	\$47,769,000
Central		Mid-County (Ramona)	San Jacinto River	bridge	\$36,192,000	\$36,192,000
Central	Unincorporated		San Bernardino County	Reche Vista	\$0	\$0
Central	Unincorporated	Reche Vista	Reche Canyon	Country	\$0	\$0
Central	Unincorporated		Briggs	SR-79 (Winchester)	\$0	\$0
Central	Unincorporated		Ethanac	Ellis	\$0	\$0
Northwest	Corona	Cajalco	I-15	Temescal Canyon	\$0	\$0
Northwest	Corona	Cajalco	I-15	interchange	\$0 \$0	\$0
Northwest	Corona	Foothill	Paseo Grande	Lincoln	\$0	\$0
Northwest	Corona	Foothill	Wardlow Wash		\$0 \$0	\$0
Northwest	Corona	Foothill	Lincoln	bridge California	\$0 \$0	\$0 \$0
Northwest	Corona	Foothill	California	I-15	\$0	\$0
Northwest	Corona	Green River	SR-91	Dominguez Ranch	\$0	\$0
Northwest	Corona	Green River	Dominguez Ranch	Palisades	\$0	\$0
Northwest	Corona	Green River	Palisades	Paseo Grande	\$0	\$0
Northwest	Eastvale	Schleisman	San Bernardino County	600' e/o Cucamonga Creek	\$648,000	\$648,000
Northwest	Eastvale	Schleisman	Cucamonga Creek	bridge	\$0	\$0
	Eastvale	Schleisman	600' e/o Cucamonga Creek	Harrison	\$866,000	\$866,000
				Sumner	\$488,000	
Northwest		Schleisman				
Northwest Northwest	Eastvale	Schleisman Schleisman	Harrison			\$488,000
Northwest Northwest Northwest	Eastvale Eastvale	Schleisman	Sumner	Scholar	\$7,625,000	\$7,625,000
Northwest Northwest	Eastvale					

Table 4.4 - TUMF Network Cost Estimates (continued)

AREA PLAN DIST		STREETNAME	SEGMENTFROM	SEGMENTTO		MAXIMUM TUMF SHAR
	Jurupa Valley	Van Buren	SR-60	Bellegrave	\$23,928,000	\$10,461,00
	Jurupa Valley	Van Buren	Bellegrave	Santa Ana River	\$60,900,000	\$
	Riverside	Alessandro	Arlington	Trautwein	\$2,410,000	\$2,410,00
	Riverside	Arlington	La Sierra	Magnolia	\$0	\$
	Riverside	Arlington	Magnolia	Alessandro	\$46,465,000	\$46,465,00
	Riverside	Van Buren	Santa Ana River	SR-91	\$5,230,000	\$4,392,00
Northwest	Riverside	Van Buren	SR-91	Mockingbird Canyon	\$39,493,000	\$21,292,00
Northwest	Riverside	Van Buren	Wood	Trautwein	\$0	\$
Northwest	Riverside	Van Buren	Trautwein	Orange Terrace	\$7,574,000	\$7,574,00
Northwest	Unincorporated	Alessandro	Trautwein	Vista Grande	\$0	\$
Northwest	Unincorporated	Alessandro	Vista Grande	I-215	\$0	\$
Northwest	Unincorporated	Cajalco	El Sobrante	Harley John	\$10,580,000	\$9,817,00
Northwest	Unincorporated	Cajalco	Harley John	Harvil	\$166,492,000	\$166,492,00
	Unincorporated		Harvil	I-215	\$1,238,000	\$1,238,00
	Unincorporated		Temescal Canyon	La Sierra	\$49,596,000	\$35,953,00
	Unincorporated		Temescal Wash	bridge	\$4,872,000	\$1,907,00
	Unincorporated		La Sierra	El Sobrante	\$96,453,000	\$96,453,00
	Unincorporated		Mockingbird Canyon	Wood	\$67,429,000	\$67,429,00
	Unincorporated		Orange Terrace	I-215	\$0	\$
	Banning	Highland Springs	Wilson (8th)	Sun Lakes	\$0	\$ \$
	Banning	Highland Springs	I-10	interchange	\$63,061,000	\$32,516,00
	Banning	Highland Springs	Oak Valley (14th)	Wilson (8th)	\$0	\$
	Banning	Highland Springs	Cherry Valley	Oak Valley (14th)	\$0	\$50.110.00
	Banning	I-10 Bypass South	I-10	Morongo Trail (Apache Trail)	\$50,110,000	\$50,110,00
	Banning	I-10 Bypass South	I-10	interchange	\$63,061,000	\$63,061,00
	Banning	I-10 Bypass South	San Gorgonio	bridge	\$4,176,000	\$4,176,00
	Banning	I-10 Bypass South	UP/Hargrave	railroad crossing	\$52,780,000	\$52,780,00
ass	Beaumont	Beaumont	Oak Valley (14th)	I-10	\$0	\$
'ass	Beaumont	Potrero	Oak Valley (San Timoteo Canyon)	SR-60	\$1,100,000	\$1,100,00
ass	Beaumont	Potrero	SR-60	interchange	\$63,061,000	\$29,561,00
'ass	Beaumont	Potrero	UP	railroad crossing	\$40,020,000	\$40,020,00
ass	Beaumont	Potrero	Noble Creek	bridge	\$0	9
Pass	Beaumont	Potrero	SR-60	4th	\$0	Š
	Beaumont	SR-79 (Beaumont)	I-10	California	\$0	9
	Beaumont	SR-79 (Beaumont)	I-10	interchange	\$63,061,000	\$7,408,00
	Calimesa	Cherry Valley	I-10	interchange	\$63,061,000	\$59,773,00
	Calimesa	Cherry Valley	Roberts St	Roberts Rd	\$3,053,000	\$3,053,00
	Unincorporated		Bellflower	Noble	\$6,411,000	\$6,411,00
	Unincorporated		Highland Springs	Bellflower	\$0,411,000	\$6,411,00
			Noble	Roberts St	\$0 \$0	9
	Unincorporated					3
	Unincorporated		San Timoteo Wash	bridge	\$0	
		SR-79 (Lamb Canyon)	California	Gilman Springs	\$0	
	Hemet	Domenigoni	Warren	Sanderson	\$7,726,000	\$7,726,00
	Hemet	Domenigoni	Sanderson	State	\$0	. 4
	Hemet	SR-74	Winchester	Warren	\$35,208,000	\$35,208,00
an Jacinto	San Jacinto	Mid-County (Ramona)	Warren	Sanderson	\$0	
an Jacinto	San Jacinto	Mid-County (Ramona)	Sanderson/SR-79 (Hemet Bypass)	interchange	\$0	5
an Jacinto	San Jacinto	Ramona	Sanderson	State	\$0	5
an Jacinto	San Jacinto	Ramona	State	Main	\$0	
an Jacinto	San Jacinto	Ramona	Main	Cedar	\$31,518,000	\$26,928,00
an Jacinto	San Jacinto	Ramona	Cedar	SR-74	\$0	
an Jacinto	Unincorporated	Domeniaoni	SR-79 (Winchester)	Warren	\$13,508,000	\$13,508,0
	Unincorporated		San Diego Aqueduct	bridge	\$4,176,000	\$4,176,0
	Unincorporated		Bridge	Sanderson	\$0	ψ1,170,0
		Mid-County (Ramona)	Bridge	Warren	\$9,221,000	\$9,221,0
	Unincorporated		Briggs	SR-79 (Winchester)	\$15,417,000	\$15,417,0
		SR-79 (Hemet Bypass)	SR-74 (Florida)	Domenigoni	\$13,901,000	\$13,901,0
		SR-79 (Hemet Bypass)	San Diego Aqueduct	bridge	\$4,176,000	\$4,176,0
		SR-79 (Hemet Bypass)	Domenigoni	Winchester	\$6,542,000	\$6,542,0
		SR-79 (San Jacinto Bypass)	Mid-County (Ramona)	SR-74 (Florida)	\$56,690,000	\$56,690,0
an Jacinto		SR-79 (Sanderson)	Gilman Springs	Ramona	\$6,899,000	\$2,555,0
an Jacinto	Unincorporated	SR-79 (Sanderson) SR-79 (Winchester)	San Jacinto River	bridge Keller	\$19,488,000 \$65,022,000	\$7,651,00 \$65,022,00

Table 4.4 - TUMF Network Cost Estimates (continued)

area plan dist			MENTFROM	SEGMENTTO	TOTAL COST	MAXIMUM TUMF SHAR
Southwest	Canyon Lake	Goetz	Railroad Canyon	Newport	\$0	\$
Southwest	Canyon Lake	Railroad Canyon	Canyon Hills	Goetz	\$0	\$
Southwest	Lake Elsinore	Railroad Canyon	I-15	Canyon Hills	\$0	\$
Southwest	Lake Elsinore	Railroad Canyon	I-15	interchange	\$0	\$
Southwest	Lake Elsinore	SR-74	I-15	interchange	\$63,061,000	\$24,162,00
Southwest	Murrieta	Clinton Keith	Copper Craft	Toulon	\$0	\$
Southwest	Murrieta	Clinton Keith	Toulon	I-215	\$2,076,000	\$2,076,00
Southwest	Murrieta	Clinton Keith	I-215	Whitewood	\$0	\$
Southwest	Murrieta	French Valley (Date)	Murrieta Hot Springs	Winchester Creek	\$7,321,000	\$7,321,00
Southwest	Murrieta	French Valley (Date)	Winchester Creek	Margarita	\$0	\$
Southwest	Murrieta	Whitewood	Menifee City Limit	Keller	\$0	\$
Southwest	Murrieta	Whitewood	Keller	Clinton Keith	\$0	\$
Southwest	Temecula	French Valley (Cherry)	Jefferson	Diaz	\$3,929,000	\$3,929,00
Southwest	Temecula	French Valley (Cherry)	Murrieta Creek	bridge	\$5,846,000	\$5,846,00
Southwest	Temecula	French Valley (Date)	Margarita	Ynez	\$0	\$
Southwest	Temecula	French Valley (Date)	Ynez	Jefferson	\$5,010,000	\$5,010,00
Southwest	Temecula	French Valley (Date)	I-15	interchange	\$122,076,000	\$122,076,00
Southwest	Temecula	SR-79 (Winchester)	Murrieta Hot Springs	Jefferson	\$2,697,000	\$2,697,00
Southwest	Temecula	SR-79 (Winchester)	I-15	interchange	\$0	\$
Southwest	Temecula	Western Bypass (Diaz)	Cherry	Rancho California	\$2,285,000	\$2,285,00
Southwest	Temecula	Western Bypass (Vincent Moroga)	Rancho California	SR-79 (Front)	\$23,629,000	\$23,629,00
Southwest	Temecula	Western Bypass (Vincent Moroga)	I-15	interchange	\$0	\$
Southwest	Temecula	Western Bypass (Vincent Moroga)	Murrieta Creek	bridge	\$4,176,000	\$4,176,00
Southwest	Unincorporated	Benton	SR-79	Eastern Bypass	\$0	\$
Southwest	Unincorporated	Clinton Keith	Whitewood	SR-79	\$5,539,000	\$5,539,00
Southwest	Unincorporated	Clinton Keith	Warm Springs Creek	bridge	\$0	\$
Southwest	Unincorporated	SR-74	I-15	Ethanac	\$27,699,000	\$26,347,00
Southwest	Unincorporated	SR-79 (Winchester)	Keller	Thompson	\$34.213.000	\$34,213,00
Southwest		SR-79 (Winchester)	Thompson	La Alba	\$27,699,000	\$27,699,00
Southwest		SR-79 (Winchester)	La Alba	Hunter	\$7,854,000	\$3,042,00
Southwest		SR-79 (Winchester)	Hunter	Murrieta Hot Sprinas	\$595,000	\$442,00
Southwest	Wildomar	Bundy Canyon	I-15	Monte Vista	\$1,362,000	\$1,362,00
Southwest	Wildomar	Bundy Canyon	Monte Vista	Sunset	\$24.818.000	\$24.818.00
Southwest	Wildomar	Bundy Canyon	I-15	interchange	\$32,698,000	\$24,613,00
Southwest	Wildomar	Clinton Keith	Palomar	I-15	\$0	\$
Southwest	Wildomar	Clinton Keith	I-15	Copper Craft	\$5,030,000	\$
Subtotal			×		\$2.331,921,000	\$1,961,707,00

Table 4.4 - TUMF Network Cost Estimates (continued)

AREA PLAN DIS			SEGMENTFROM	SEGMENTTO	TOTAL COST	MAXIMUM TUMF SHARE
Central	Menifee	Briggs	Newport	Scott	\$0 \$2,991,000	\$0
Central	Menifee	Briggs	SR-74 (Pinacate)	Simpson		\$2,991,000
Central	Menifee	Briggs	Simpson	Old Newport	\$5,430,000	\$5,430,000
Central	Menifee	Briggs	Salt Creek	bridge	\$8,352,000	\$8,352,000
Central	Menifee	Garbani	I-215	interchange	\$63,061,000	\$42,483,000
Central	Menifee	Goetz	Juanita	Lesser Lane	\$11,378,000	\$11,378,000
Central	Menifee	Goetz	Newport	Juanita	\$0	\$0
Central	Menifee	Holland	Murrieta	Bradley	\$15,708,000	\$15,708,000
Central	Menifee	Holland	Bradley	Haun	\$11,439,000	\$11,439,000
Central	Menifee	Holland	Haun	Antelope	\$9,456,000	\$9,456,000
Central	Menifee	Holland	I-215 overcrossing	bridge	\$9,744,000	\$9,744,000
Central	Menifee	Holland	Antelope	Menifee	\$3,844,000	\$3,844,000
Central	Menifee	McCall	I-215		\$5,354,000	
				Aspel		\$5,354,000
Central	Menifee	McCall	I-215	interchange	\$0	\$0
Central	Menifee	McCall	Aspel	Menifee	\$2,288,000	\$2,288,000
Central	Menifee	Murrieta	Ethanac	McCall	\$0	\$0
Central	Menifee	Murrieta	McCall	Newport	\$7,967,000	\$7,967,000
Central	Menifee	Murrieta	Newport	Bundy Canyon	\$0	\$0
Central	Moreno Valley	Cactus	I-215	Heacock	\$5,617,000	\$5,617,000
Central	Moreno Valley	Cactus	I-215	interchange	\$0	\$0
Central	Moreno Valley	Day	Ironwood	SR-60	\$0	\$0
Central	Moreno Valley	Day	SR-60	interchange	\$0	\$0
Central	Moreno Valley	Day	SR-60	Eucalyptus	\$0	\$0
Central	Moreno Valley	Eucalyptus	I-215	Towngate	\$8,843,000	\$8,843,000
Central	Moreno Valley	Eucalyptus	Towngate	Frederick	\$0	\$0
Central	Moreno Valley	Eucalyptus	Frederick	Heacock	\$0	\$0
Central	Moreno Valley	Eucalyptus	Heacock	Kitching	\$0	\$0
Central	Moreno Valley	Eucalyptus	Kitching	Moreno Beach	\$0	\$0
Central	Moreno Valley	Eucalyptus	Moreno Beach	Theodore	\$0	\$0
Central	Moreno Valley	Frederick	SR-60	Alessandro	\$0	\$0
Central	Moreno Valley	Heacock	Cactus	San Michele	\$0	\$0
	,					
Central	Moreno Valley	Heacock	Reche Vista	Cactus	\$0	\$0
Central	Moreno Valley	Heacock	San Michele	Harley Knox	\$0	\$0
Central	Moreno Valley	Ironwood	SR-60	Day	\$0	\$0
Central	Moreno Valley	Ironwood	Day	Heacock	\$0	\$0
Central	Moreno Valley	Lasselle	Alessandro	John F Kennedy	\$0	\$0
Central	Moreno Valley	Lasselle	John F Kennedy	Oleander	\$0	\$0
Central	Moreno Valley	Moreno Beach	Reche Canyon	SR-60	\$18,797,000	\$18,797,000
Central	Moreno Valley	Moreno Beach	SR-60 overcrossing	bridge	\$0	\$0
Central	Moreno Valley	Nason	SR-60	Alessandro	\$0	\$0
		Pigeon Pass		SR-60	\$0	
Central	Moreno Valley		Ironwood			\$0
Central	Moreno Valley	Pigeon Pass/CETAP Corridor	Hidden Springs	Ironwood	\$0	\$0
Central	Moreno Valley	Reche Canyon	Moreno Valley City Limit	Locust	\$0	\$0
Central	Moreno Valley	Redlands	Locust	Alessandro	\$39,789,000	\$39,789,000
Central	Moreno Valley	Redlands	SR-60	interchange	\$32,698,000	\$32,698,000
Central	Moreno Valley	Theodore	SR-60	Eucalyptus	\$3,966,000	\$3,966,000
Central	Moreno Valley	Theodore	SR-60	interchange	\$32,698,000	\$32,698,000
Central	Perris	Ellis	Goetz	Evans	\$9,526,000	\$9,526,000
Central	Perris	Evans	Oleander	Ramona	\$0	\$0
Central	Perris	Evans	Ramona			
				Morgan	\$0	\$0
Central	Perris	Evans	Morgan	Rider	\$0	\$0
Central	Perris	Evans	Rider	Placentia	\$0	\$0
Central	Perris	Evans	Placentia	Nuevo	\$6,492,000	\$6,492,000
Central	Perris	Evans	Nuevo	Ellis	\$17,705,000	\$17,705,000
Central	Perris	Evans	San Jacinto River	bridge	\$11,136,000	\$11,136,000
Central	Perris	Evans	I-215	bridge	\$8,352,000	\$8,352,000
Central	Perris	Goetz	Lesser	Ethanac	\$7,845,000	\$7,845,000
Central	Perris	Harley Knox	I-215	Indian	\$7,843,000	\$7,843,000
Central	Perris	Harley Knox	I-215	interchange	\$0	\$0
Central	Perris	Harley Knox	Indian	Perris	\$0	\$0
Central	Perris	Harley Knox	Perris	Redlands	\$0	\$0
Central	Perris	Nuevo	I-215	Murrieta	\$16,971,000	\$16,971,000
Central	Perris	Nuevo	I-215	interchange	\$32,698,000	\$19,736,000
Central	Perris	Nuevo	Murrieta	Dunlap	\$4,367,000	\$4,367,000
Central	Perris	Nuevo	Perris Valley Storm Channel	bridge	\$0	\$0
Central	Perris		I-215	Ethanac		
		SR-74 (Matthews)			\$0	\$0
Central		SR-74 (Matthews)	I-215	interchange	\$32,698,000	\$21,835,000
Central	Unincorporated		I-215	Mt Vernon	\$0	\$0
Central	Unincorporated		I-215	interchange	\$32,698,000	\$11,912,000
Central	Unincorporated		BNSF	railroad crossing	\$20,010,000	\$20,010,000
Central	Unincorporated		Post	SR-74	\$11,550,000	\$11,550,000
Central		Mount Vernon/CETAP Corridor		Pigeon Pass	\$2,582,000	\$2,582,000
	Unincorporated		Dunlap	Menifee		
Central					\$8,737,000	\$2,505,000
Central	Unincorporated		San Jacinto River	bridge	\$5,568,000	\$5,568,000
Central		Pigeon Pass/CETAP Corridor	Hidden Springs	Mount Vernon	\$8,106,000	\$8,106,000
O I I	Unincorporated	Post	Santa Rosa Mine	Ellis	\$0	\$0
Central						
Central Central	Unincorporated	Reche Canyon	Reche Vista	Moreno Valley City Limit	\$0	\$0

Table 4.4 - TUMF Network Cost Estimates (continued)

AREA PLAN DI	IST CITY	STREETNAME	SEGMENTFROM	SEGMENTTO		AXIMUM TUMF SHARE
Northwest	Corona	6th	SR-91	Magnolia	\$0	\$0
Northwest	Corona	Auto Center	Railroad	SR-91	\$0	\$0
Northwest	Corona	Cajalco	Bedford Canyon	I-15	\$0	\$0
Northwest	Corona	Hidden Valley	Norco Hills	McKinley	\$0	\$0
Northwest	Corona	Lincoln	Parkridge	Ontario	\$0	\$0
Northwest	Corona	Magnolia	6th	Sherborn	\$7,054,000	\$6,419,000
Northwest	Corona	Magnolia	Temescal Creek	bridge	\$4,176,000	\$3,580,000
Northwest	Corona	Magnolia	Sherborn	Rimpau	\$0	\$0
Northwest	Corona	Magnolia	Rimpau	Ontario	\$0	\$0
Northwest	Corona	Main	Grand	Ontario	\$0	\$0
Northwest	Corona	Main	Ontario	Foothill	\$0	\$0
Northwest		Main			\$5,314,000	\$4,389,000
	Corona	Main	Hidden Valley	Parkridge SR-91	\$5,314,000	
Northwest	Corona		Parkridge			\$0
Northwest	Corona	Main	SR-91	S. Grand	\$0	\$0
Northwest	Corona	McKinley	Hidden Valley	Promenade	\$0	\$0
Northwest	Corona	McKinley	Promenade	SR-91	\$0	\$0
Northwest	Corona	McKinley	SR-91	Magnolia	\$0	\$0
Northwest	Corona	McKinley	Arlington Channel	bridge	\$0	\$0
Northwest	Corona	McKinley	BNSF	railroad crossing	\$105,560,000	\$0
Northwest	Corona	Ontario	I-15	El Cerrito	\$13,451,000	\$13,451,000
Northwest	Corona	Ontario	Lincoln	Buena Vista	\$0	\$0
Northwest	Corona	Ontario	Buena Vista	Main	\$0	\$0
Northwest	Corona	Ontario	Main	Kellogg	\$0	\$0
Northwest	Corona	Ontario	Kellogg	Fullerton	\$0	\$0
Northwest	Corona	Ontario	Fullerton	Rimpau	\$0	\$0
Northwest	Corona	Ontario	Rimpau	I-15	\$0	\$0
Northwest	Corona	Railroad	Auto Club	Buena Vista	\$0	\$0
Northwest	Corona	Railroad	BNSF	railroad crossing	\$40,020,000	\$40,020,000
Northwest	Corona	Railroad	Buena Vista	Main (at Grand)	\$0	\$0
Northwest	Corona	River	Corydon	Main	\$0	\$0
Northwest	Corona	Serfas Club	SR-91	Green River	\$0	\$0
Northwest	Eastvale	Archibald	Remington	River	\$3,382,000	\$3,382,000
Northwest	Eastvale	Hamner	Mission	Bellegrave	\$0	\$0
Northwest	Eastvale	Hamner	Bellegrave	Amberhill	\$199,000	\$199,000
Northwest	Eastvale	Hamner	Amberhill	Limonite	\$2,787,000	\$2,787,000
		Hamner		Schleisman		
Northwest	Eastvale		Limonite		\$991,000	\$991,000
Northwest	Eastvale	Hamner	Schleisman	Santa Ana River	\$5,533,000	\$3,675,000
Northwest	Eastvale	Hellman	Schleisman	Walters	\$419,000	\$419,000
Northwest	Eastvale	Hellman	Walters	River	\$21,503,000	\$21,503,000
Northwest	Eastvale	Hellman	Cucamonga Creek	bridge	\$3,828,000	\$3,828,000
Northwest	Eastvale	Limonite	I-15	Eastvale Gateway	\$289,000	\$289,000
Northwest	Eastvale	Limonite	I-15	interchange	\$0	\$0
Northwest	Eastvale	Limonite	Eastvale Gateway	Hamner	\$255,000	\$255,000
Northwest	Eastvale	Limonite	Hamner	Sumner	\$1,094,000	\$1,094,000
Northwest	Eastvale	Limonite	Sumner	Harrison	\$497,000	\$497,000
Northwest	Eastvale	Limonite	Harrison	Archibald	\$0	\$0
	Eastvale	Limonite	Archibald			\$2,208,000
Northwest				Hellman (Keller SBD Co.)	\$2,208,000	
Northwest	Eastvale	Limonite	Cucamonga Creek	bridge	\$13,920,000	\$0
Northwest	Eastvale	River	Hellman	Archibald	\$5,948,000	\$5,948,000
Northwest	Jurupa Valley	Armstrong	San Bernardino County	Valley	\$6,192,000	\$6,192,000
Northwest	Jurupa Valley	Bellegrave	Cantu-Galleano Ranch	Van Buren	\$464,000	\$464,000
Northwest	Jurupa Valley	Cantu-Galleano Ranch	Wineville	Bellegrave	\$793,000	\$793,000
Northwest	Jurupa Valley	Etiwanda	Philadelphia	SR-60	\$1,515,000	\$989,000
Northwest	Jurupa Valley	Etiwanda	SR-60	Limonite	\$0	\$0
Northwest	Jurupa Valley	Limonite	I-15	Wineville	\$0	\$0
Northwest	Jurupa Valley	Limonite	Wineville	Etiwanda	\$0	\$0
Northwest	Jurupa Valley	Limonite	Etiwanda	Van Buren	\$2,981,000	\$2,981,000
Northwest	Jurupa Valley	Limonite	Van Buren	Clay	\$2,761,000	\$0
Northwest	Jurupa Valley	Limonite	Clay	Riverview	\$0 \$0	\$0
	Jurupa Valley	Market				
Northwest Northwest			Rubidoux	Santa Ana River	\$5,181,000	\$0 \$6,204,000
	Jurupa Valley	Market	Santa Ana River	bridge	\$13,920,000	
Northwest	Jurupa Valley	Mission	Milliken	SR-60	\$0	\$0
Northwest	Jurupa Valley	Mission	SR-60	Santa Ana River	\$0	\$0
Northwest	Jurupa Valley	Riverview	Limonite	Mission	\$0	\$0
Northwest	Jurupa Valley	Rubidoux	Pine	Mission	\$0	\$0
Northwest	Jurupa Valley	Rubidoux	SR-60	interchange	\$32,698,000	\$9,051,000
Northwest	Jurupa Valley	Valley	Armstrong	Mission	\$0	\$0
Northwest	Norco	1st	Parkridge	Mountain	\$0	\$0
Northwest	Norco	1st	Mountain	Hamner	\$0 \$0	\$0
Northwest	Norco	2nd	River	I-15		\$0 \$0
			Hamner		\$0 \$0	
Northwest	Norco	6th		California	\$0	\$0
Northwest	Norco	6th	I-15	interchange	\$32,698,000	\$3,489,000
Northwest	Norco	Arlington	Crestview	Fairhaven	\$4,342,000	\$4,342,000
Northwest	Norco	California	Arlington	6th	\$15,237,000	\$12,525,000
Northwest	Norco	Corydon	River	5th	\$0	\$0
Northwest	Norco	Hamner	Santa Ana River	bridge	\$33,408,000	\$11,455,000
Northwest	Norco	Hamner	Santa Ana River	Hidden Valley	\$49,591,000	\$49,591,000
Northwest	Norco	Hidden Valley	I-15	Norco Hills	\$0	\$0
Northwest	Norco	Hidden Valley	Hamner	I-15	\$0 \$0	\$0
Northwest	Norco	Norco	Corydon	Hamner	\$0 \$0	\$0 \$0
				Crestview		
Northwest	Norco	North	California		\$0 \$1.742.000	\$0
Northwest	Norco	River	Archibald	Corydon	\$1,743,000	\$1,109,000

Table 4.4 - TUMF Network Cost Estimates (continued)

m tumf sha		SEGMENTTO	SEGMENTFROM	STREETNAME		AREA PLAN DIS
	\$0	Martin Luther King	Market	14th	Riverside	Vorthwest
£1.041	\$0	Main	Market SR-91	1st 3rd	Riverside	Vorthwest
\$1,941,0	\$1,941,000	I-215	011 7 1		Riverside	Vorthwest
\$30,560,	\$105,560,000	railroad crossing	BNSF	3rd	Riverside	Vorthwest
	\$0	SR-91	Arlington	Adams	Riverside	Vorthwest
# 0.040	\$0	Lincoln	SR-91	Adams	Riverside	Vorthwest
\$3,262,	\$32,698,000	interchange	SR-91	Adams	Riverside	Vorthwest
	\$0	La Sierra	Fairhaven	Arlington	Riverside	Vorthwest
	\$0	Redwood	Santa Ana River	Buena Vista	Riverside	Vorthwest
	\$0	Central	Martin Luther King	Canyon Crest	Riverside	Vorthwest
	\$0	Country Club	Central	Canyon Crest	Riverside	Vorthwest
\$1,593,0	\$4,996,000	Via Vista	Country Club	Canyon Crest	Riverside	Vorthwest
	\$0	Alessandro	Via Vista	Canyon Crest	Riverside	Vorthwest
	\$0	I-215/SR-60	Chicago	Central	Riverside	Vorthwest
	\$0	Magnolia	SR-91	Central	Riverside	Vorthwest
	\$0	SR-91	Alessandro	Central	Riverside	Northwest
	\$0	Magnolia	Van Buren	Central	Riverside	Vorthwest
	\$0	Spruce	Alessandro	Chicago	Riverside	Vorthwest
	\$O	Columbia	Spruce	Chicago	Riverside	Northwest
	\$O	lowa	Main	Columbia	Riverside	Vorthwest
\$9,050,0	\$32,698,000	interchange	I-215	Columbia	Riverside	Northwest
\$30,272,0	\$30,272,000	3rd	Center	lowa	Riverside	Vorthwest
400,2,2,	\$00,272,000	University	3rd	lowa	Riverside	Vorthwest
	\$0	Martin Luther King	University	lowa	Riverside	Vorthwest
\$1,880,0	\$1,880,000	Wood	Trautwein	JFK	Riverside	Vorthwest
φ1,000,1		SR-91		La Sierra		
#100	\$0		Arlington		Riverside	Northwest
\$192,0	\$192,000	Indiana	SR-91	La Sierra	Riverside	Vorthwest
\$778,0	\$778,000	Victoria	Indiana	La Sierra	Riverside	Vorthwest
	\$0	University	Mission Inn	Lemon (NB One way)	Riverside	Vorthwest
	\$0	Jefferson	Van Buren	Lincoln	Riverside	Vorthwest
	\$0	Washington	Jefferson	Lincoln	Riverside	Vorthwest
	\$0	Victoria	Washington	Lincoln	Riverside	Vorthwest
\$853,	\$853,000	Victoria	SR-91	Madison	Riverside	Vorthwest
\$20,010,0	\$20,010,000	railroad crossing	BNSF	Madison	Riverside	Vorthwest
	\$0	Tyler	BNSF Railroad	Magnolia	Riverside	Northwest
	\$0	railroad crossing	BNSF	Magnolia	Riverside	Vorthwest
	\$0	Harrison	Tyler	Magnolia	Riverside	Vorthwest
	\$0	14th	Harrison	Magnolia	Riverside	Vorthwest
	\$0	San Bernardino County	1st	Main	Riverside	Vorthwest
\$9,491,0	\$9,491,000	Santa Ana River	14th	Market	Riverside	Vorthwest
\$24,031,	\$24,031,000	I-215/SR-60	14th	Martin Luther King	Riverside	Vorthwest
\$24,031,1						
	\$0	Lemon	Redwood	Mission Inn	Riverside	Vorthwest
	\$0	University	Mission Inn	Redwood (SB One way)	Riverside	Vorthwest
	\$0	Van Buren	Alessandro	Trautwein	Riverside	Vorthwest
	\$0	Magnolia	SR-91	Tyler	Riverside	Vorthwest
\$21,814,0	\$63,061,000	interchange	SR-91	Tyler	Riverside	Vorthwest
	\$0	Hole	Magnolia	Tyler	Riverside	Vorthwest
	\$0	Wells	Hole	Tyler	Riverside	Vorthwest
	\$0	Arlington	Wells	Tyler	Riverside	Vorthwest
\$859,0	\$859,000	SR-91	Redwood	University	Riverside	Northwest
\$2,067,0	\$2,067,000	I-215/SR-60	SR-91	University	Riverside	Northwest
,	\$0	Arlington	Lincoln	Victoria	Riverside	Vorthwest
	\$0	Washington	Madison	Victoria	Riverside	Vorthwest
\$27,018,0	\$27,018,000	Hermosa	Victoria	Washington	Riverside	Vorthwest
\$3,053,	\$3,053,000	Van Buren	JFK	Wood	Riverside	Vorthwest
ψυ,υυυ,			Van Buren	Wood	Riverside	Vorthwest
	\$0 \$0	Bergamont Krameria		Wood	Riverside Riverside	vortnwest Vorthwest
			Bergamont			
	\$0	Wineville	Hamner	Cantu-Galleano Ranch		Northwest
	\$0	I-15	Temescal Canyon	Dos Lagos (Weirick)		Vorthwest
	\$0	Ontario	I-15		Unincorporated	Vorthwest
	\$0	Cajalco	Mockingbird Canyon		Unincorporated	Vorthwest
	\$0	Scottsdale	Washington		Unincorporated	Vorthwest
	\$0	Cajalco	Scottsdale	Harley John	Unincorporated	Vorthwest
	\$0	El Sobrante	Victoria	La Sierra	Unincorporated	Northwest
	\$0	Cajalco	El Sobrante	La Sierra	Unincorporated	Northwest
\$20,871,0	\$20,871,000	El Sobrante	Van Buren	Mockingbird Canyon		Northwest
, -,	\$3,168,000	Tuscany	El Cerrito	Temescal Canyon		Vorthwest
	\$0	Dos Lagos	Tuscany	Temescal Canyon		Vorthwest
	\$0 \$0	Leroy	Dos Lagos	Temescal Canyon		Vorthwest
	\$0 \$0	Dawson Canyon	Lerov	Temescal Canyon		Northwest
			/			
#00 to-	\$0	I-15	Dawson Canyon	Temescal Canyon		Vorthwest
\$32,698,	\$32,698,000	interchange	I-15	Temescal Canyon		Vorthwest
\$14,329,0	\$14,329,000	Park Canyon	I-15	Temescal Canyon		Northwest
	\$0	Indian Truck Trail	Park Canyon	Temescal Canyon		Vorthwest
\$12,787,0 \$12,537,0	\$12,787,000 \$12,537,000	Harley John Cajalco	Hermosa Krameria		Unincorporated Unincorporated	Northwest Northwest

Table 4.4 - TUMF Network Cost Estimates (continued)

AREA PLAN DIST	CITY CITY	STREETNAME	SEGMENTFROM	SEGMENTTO	TOTAL COST	MAXIMUM TUMF SHARE
Pass	Banning	8th	Wilson	I-10	\$0	\$0
Pass	Banning	Lincoln	Sunset	SR-243	\$0	
Pass	Banning	Ramsey	I-10	8th	\$0	
Pass	Banning	Ramsey	8th	Highland Springs	\$0	
Pass	Banning	SR-243	I-10	Wesley	\$0	
Pass	Banning	Sun Lakes	Highland Home	Sunset	\$30,502,000	\$30,502,000
Pass	Banning	Sun Lakes	Smith Creek	bridge	\$8,352,000	\$8,352,000
Pass	Banning	Sun Lakes	Montgomery Creek	bridge	\$5,568,000	\$5,568,000
Pass	Banning	Sun Lakes	Highland Springs	Highland Home	\$0	
Pass	Banning	Sunset	Ramsey	Lincoln	\$0	\$0
Pass	Banning	Sunset	I-10	interchange	\$32,698,000	\$32,698,000
Pass	Banning	Wilson	Highland Home	8th	\$0	
Pass	Banning	Wilson	Highland Springs	Highland Home	\$0	
Pass	Beaumont	1st	Viele	Pennsylvania	\$0	
Pass	Beaumont	1st	Pennsylvania	Highland Springs	\$0	
Pass	Beaumont	6th	I-10	Highland Springs	\$0	
Pass	Beaumont	Desert Lawn	Champions	Oak Valley (STC)	\$0	
Pass	Beaumont	Oak Valley (14th)	Highland Springs	Pennsylvania	\$0	\$0
Pass	Beaumont	Oak Valley (14th)	Pennsylvania	Oak View	\$0	\$0
Pass	Beaumont	Oak Valley (14th)	Oak View	I-10	\$0	\$0
Pass	Beaumont	Oak Valley (14th)	I-10	interchange	\$63,061,000	\$62,401,000
Pass	Beaumont	Oak Valley (STC)	UP Railroad	Tukwet Canyon	\$0	
Pass	Beaumont	Oak Valley (STC)	Tukwet Canyon	I-10	\$0	
Pass	Beaumont	Pennsylvania	6th	lst	\$6,588,000	\$6,588,000
Pass	Beaumont	Pennsylvania	I-10	interchange	\$0	
Pass	Calimesa	Bryant	County Line	Avenue L	\$0	
Pass	Calimesa	Calimesa	County Line	I-10	\$0	
Pass	Calimesa	Calimesa	I-10	interchange	\$63,061,000	\$63,061,000
Pass	Calimesa	County Line	7th	Bryant	\$00,001,000	
Pass	Calimesa	County Line	I-10	interchange	\$32,698,000	\$32,698,000
Pass	Calimesa	Desert Lawn	Palmer	Champions	\$32,676,000	
Pass	Calimesa		Avenue L	Condit	\$0 \$0	
		Singleton				\$12,972,000
Pass Pass	Calimesa Calimesa	Singleton Singleton	Condit I-10	Roberts interchange	\$12,972,000 \$63,061,000	\$12,972,000
Pass	Calimesa		Roberts Rd			
		Tukwet Canyon		Palmer	\$0	
Pass		Live Oak Canyon	Oak Valley (STC)	San Bernardino County	\$0	
Pass		San Timoteo Canyon	San Bernardino County	UP Railroad	\$0	
Pass		San Timoteo Canyon	UP Railroad	railroad crossing	\$52,780,000	\$52,780,000
San Jacinto	Hemet	Sanderson	Acacia	Menlo	\$0	
San Jacinto	Hemet	Sanderson	Domenigoni	Stetson	\$0	
San Jacinto	Hemet	Sanderson	RR Crossing	Acacia	\$0	
San Jacinto	Hemet	Sanderson	Stetson	RR Crossing	\$0	
San Jacinto	Hemet	Sanderson	Menlo	Esplanade	\$0	
San Jacinto		SR-74 (Florida)	Warren	Cawston	\$0	
San Jacinto	Hemet	SR-74 (Florida)	Columbia	Ramona	\$0	
San Jacinto	Hemet	SR-74/SR-79 (Florida)	Cawston	Columbia	\$0	
San Jacinto	Hemet	State	Domenigoni	Chambers	\$0	
San Jacinto		State	Chambers	Stetson	\$0	
San Jacinto	Hemet	State	Florida	Esplanade	\$0	
San Jacinto	Hemet	State	Stetson	Florida	\$0	
San Jacinto	Hemet	Stetson	Cawston	State	\$0	\$0
San Jacinto	Hemet	Stetson	Warren	Cawston	\$4,357,000	\$4,357,000
San Jacinto	Hemet	Warren	Esplanade	Domenigoni	\$19,926,000	\$19,926,000
San Jacinto	Hemet	Warren	Salt Creek	bridge	\$4,176,000	\$4,176,000
San Jacinto	San Jacinto	Esplanade	Mountain	State	\$0	\$0
San Jacinto	San Jacinto	Esplanade	State	Warren	\$0	\$0
San Jacinto	San Jacinto	Sanderson	Ramona	Esplanade	\$0	
San Jacinto	San Jacinto	SR-79 (North Ramona)	State	San Jacinto	\$0	
San Jacinto	San Jacinto	SR-79 (San Jacinto)	North Ramona Blvd	7th	\$0	
San Jacinto	San Jacinto	SR-79 (San Jacinto)	7th	SR-74	\$0	1 .
San Jacinto	San Jacinto	State	Ramona	Esplanade	\$0	
San Jacinto	San Jacinto	State	Gilman Springs	Quandt Ranch	\$3,317,000	\$3,317,000
San Jacinto	San Jacinto	State	San Jacinto River	bridge	\$0,517,666	
San Jacinto	San Jacinto	State	Quandt Ranch	Ramona	\$0	
San Jacinto	San Jacinto	Warren	Ramona	Esplanade	\$13,469,000	\$13,469,000
	Juli Jucillio					
	Unincorporated	Gilman Springs	Sanderson	State	\$11,007,000	\$11 097 000
San Jacinto San Jacinto	Unincorporated Unincorporated		Sanderson Massacre Canyon Wash	State bridge	\$11,097,000 \$1,392,000	\$11,097,000 \$1,392,000

Table 4.4 - TUMF Network Cost Estimates (continued)

AREA PLAN DIS		STREETNAME	SEGMENTFROM	SEGMENTTO		XIMUM TUMF SHA
Southwest	Lake Elsinore	Corydon	Mission	Grand	\$3,336,000	\$3,336,0
Southwest	Lake Elsinore	Diamond	Mission	I-15	\$0	
Southwest	Lake Elsinore	Franklin (integral to Railroad	I-15	interchange	\$32,698,000	\$32,698,0
Southwest	Lake Elsinore	Canyon Interchange)	Lincoln	Toft	\$0	
		Grand				
Southwest	Lake Elsinore	Grand	Toft	SR-74 (Riverside)	\$3,512,000	\$3,512,0
outhwest	Lake Elsinore	Lake	I-15	Lincoln	\$39,817,000	\$32,726,0
outhwest	Lake Elsinore	Lake	I-15	interchange	\$32,698,000	\$15,771,0
Southwest	Lake Elsinore	Lake	Temescal Wash	bridge	\$2,506,000	\$1,150,0
Southwest	Lake Elsinore	Mission	Railroad Canyon	Bundy Canyon	\$0	
outhwest	Lake Elsinore	Nichols	I-15	Lake	\$7,850,000	\$7,850,0
outhwest	Lake Elsinore	Nichols	Temescal Wash	bridge	\$4,176,000	\$4,176,0
outhwest	Lake Elsinore	Nichols	I-15	interchange	\$63,061,000	\$63,061,0
outhwest	Lake Elsinore	SR-74 (Collier/Riverside)	I-15	Lakeshore	\$24,303,000	\$24,303,0
outhwest	Lake Elsinore	SR-74 (Grand)	Riverside	SR-74 (Ortega)	\$9,733,000	\$3,691,0
outhwest	Lake Elsinore	SR-74 (Riverside)	Lakeshore	Grand	\$20,175,000	\$20,175,0
Southwest	Lake Elsinore	Temescal Canyon	I-15	Lake	\$7,411,000	\$7,411,0
Southwest	Lake Elsinore	Temescal Canyon	Temescal Wash	bridge	\$3,480,000	\$3,480,0
outhwest	Murrieta	California Oaks	Jefferson	I-15	\$0	
outhwest	Murrieta	California Oaks	I-15	Jackson	\$0	
outhwest	Murrieta	California Oaks	Jackson	Clinton Keith	\$0	
outhwest	Murrieta	Jackson	Whitewood	Ynez	\$0	
outhwest	Murrieta	Jefferson	Palomar	Nutmeg	\$1,562,000	\$1,562,0
outhwest	Murrieta	Jefferson	Nutmeg	Murrieta Hot Springs	\$0	
outhwest	Murrieta	Jefferson	Murrieta Hot Springs	Cherry	\$30,634,000	\$30,634,0
outhwest	Murrieta	Keller	I-215	Whitewood	\$0	φου,σο 1,σ
outhwest	Murrieta	Keller	I-215	interchange	\$0 \$0	
outhwest	Murrieta	Los Alamos	Jefferson	I-215	\$0 \$0	
outhwest	Murrieta	Murrieta Hot Springs	Jefferson	I-215	\$0	
outhwest	Murrieta	Murrieta Hot Springs	I-215	Margarita	\$0	
outhwest	Murrieta	Murrieta Hot Springs	Margarita	SR-79 (Winchester)	\$4,057,000	\$3,899,0
outhwest	Murrieta	Nutmeg	Jefferson	Clinton Keith	\$O	
outhwest	Murrieta	Whitewood	Clinton Keith	Los Alamos	\$2,708,000	\$2,708,0
outhwest	Murrieta	Whitewood	Los Alamos	Murrieta Hot Springs	\$0	,
outhwest	Murrieta	Whitewood	Murrieta Hot Springs	Jackson	\$4,629,000	\$4,629,0
outhwest	Murrieta	Ynez	Jackson	SR-79 (Winchester)	\$0	ψ+,027,0
outhwest	Temecula					
		Butterfield Stage	Murrieta Hot Springs	Calle Chapos	\$816,000	\$816,0
outhwest	Temecula	Butterfield Stage	Calle Chapos	La Serena	\$696,000	\$696,0
outhwest	Temecula	Butterfield Stage	La Serena	Rancho California	\$904,000	\$904,0
outhwest	Temecula	Butterfield Stage	Rancho California	Pauba	\$846,000	\$846,0
outhwest	Temecula	Butterfield Stage	Pauba	SR-79 (Temecula Pkwy)	\$725,000	\$725,0
Southwest	Temecula	Jefferson	Cherry	Rancho California	\$2,285,000	\$2,285,0
Southwest	Temecula	Margarita	Murrieta Hot Springs	SR-79 (Temecula Pkwy)	\$7,644,000	\$7,644,0
Southwest	Temecula	Old Town Front	Rancho California	I-15/SR-79 (Temecula Pkwy)	\$0	,
Southwest	Temecula	Pechanga Pkwy	SR-79 (Temecula Pkwy)	Via Gilberto	\$0	
Southwest	Temecula	Pechanga Pkwy	Via Gilberto	Pechanga Pkwy	\$0	
outhwest	Temecula	Rancho California	Jefferson	Margarita	\$18,254,000	\$18,181,0
outhwest	Temecula	Rancho California	I-15	interchange	\$32,698,000	
outhwest	Temecula	Rancho California	Margarita	Butterfield Stage	\$0	
outhwest	Temecula	SR-79 (Temecula Pkwy)	I-15	Pechanga Pkwy	\$0	
outhwest	Temecula	SR-79 (Temecula Pkwy)	Pechanga Pkwy	Butterfield Stage	\$3,065,000	\$3,065,0
outhwest	Unincorporated	Briggs	Scott	SR-79 (Winchester)	\$6,509,000	\$6,509,0
outhwest		Butterfield Stage	Tucalota Creek	bridge	\$0	,
outhwest		Butterfield Stage (Pourroy)	Auld	Murrieta Hot Springs	\$23,076,000	\$23,076,0
outhwest	Unincorporated		Ortega	Corydon	\$68,025,000	\$68,025,0
outhwest		Horsethief Canyon	Temescal Canyon	I-15	\$00,025,000	\$60,023,0
outhwest		Indian Truck Trail	Temescal Canyon	I-15	\$0	
outhwest		Murrieta Hot Springs	SR-79 (Winchester)	Pourroy	\$0	
outhwest	Unincorporated		Pechanga	San Diego County	\$0	
outhwest	Unincorporated		SR-79 (Winchester)	Auld	\$2,236,000	\$2,236,0
outhwest	Unincorporated	Rancho California	Butterfield Stage	Glen Oaks	\$87,369,000	\$87,369,0
outhwest	Unincorporated	Temescal Canyon	Horsethief Canyon Wash	bridge	\$3,340,000	\$3,340,0
outhwest		Temescal Canyon	Indian Truck Trail	I-15	\$15,739,000	\$15,739,0
outhwest		Temescal Canyon	Indian Wash	bridge	\$1,462,000	\$1,462,0
outhwest	Wildomar	Bundy Canyon	Mission	I-15	\$9,704,000	\$9,704,0
						φ7,/04,(
outhwest	Wildomar	Grand	Corydon	Wildomar Trail	\$0 \$0	
outhwest	Wildomar	Mission	Bundy Canyon	Palomar	\$0	
outhwest	Wildomar	Palomar	Clinton Keith	Washington	\$3,227,000	\$3,227,0
outhwest	Wildomar	Palomar	Mission	Clinton Keith	\$13,493,000	\$13,493,0
outhwest	Wildomar	Wildomar Trail	I-15	Baxter	\$1,281,000	\$1,281,0
outhwest	Wildomar	Wildomar Trail	I-15	interchange	\$32,698,000	\$27,858,0
outhwest	Wildomar	Wildomar Trail	Baxter	Palomar	\$11,316,000	\$11,316,0
outhwest	Wildomar	Wildomar Trail	Palomar	Grand	\$11,510,000	φ11,510,0
ubtotal	maomai	gorriar iraii	. Giornai	Sidild	\$2,508,329,000	
DDIOIGI					φ∠,5∪0,5∠7,0∪0	\$1,913,028,0
Totals	Network				\$4.840.350.000	\$3,874,735,00
Totals	Network				\$4,840,250,000	
	Transit				\$217,870,000	\$154,831,00
	Administration				\$161,183,000	\$161,183,0
	MSHCP				\$64,606,000	\$53,859,0
	TOTAL				\$5,283,909,000	\$4,244,608,00

Table 4.5 – TUMF Transit Cost Estimates

AREA PLAN DIST	LEAD AGENCY	PROJECT NAME	LOCATION	UNITS (number/ length in miles)	UNIT COST	TOTAL	MAXIMUM TUMF SHARE
Central	RTA	Menifee Mobility Hub	Menifee	1	\$7,465,000	\$7,465,000	\$5,305,000
Northwest	RTA	Riverside Mobility Hub at Vine Street	Riverside	1	\$11,195,000	\$11,195,000	\$7,956,000
Central	RTA	Moreno Valley Mobility Hub(s)	Moreno Valley	1	\$11,195,000	\$11,195,000	\$7,956,000
Northwest	RTA	Jurupa Valley Mobility Hub(s)	Jurupa Valley	1	\$11,195,000	\$11,195,000	\$7,956,000
Pass	RTA	Pass Area Mobility Hub(s)	Banning	1	\$11,195,000	\$11,195,000	\$7,956,000
Southwest	RTA	Lake Elsinore / Canyon Lake Mobility Hub(s)	Lake Elsinore	1	\$11,195,000	\$11,195,000	\$7,956,000
San Jacinto	RTA	Hemet Mobility Hub	Hemet	1	\$11,195,000	\$11,195,000	\$7,956,000
San Jacinto	RTA	San Jacinto Mobility Hub	San Jacinto	1	\$11,195,000	\$11,195,000	\$7,956,000
San Jacinto	RTA	MSJC Mobility Hub	San Jacinto	1	\$1,245,000	\$1,245,000	\$885,000
Regional	RTA	ZEB Technology Enhancements	Various locations region wide	10	\$100,000	\$1,000,000	\$711,000
Northwest	RTA	Regional Operations and Maintenance Facility	Riverside	1	\$62,186,000	\$62,186,000	\$44,192,000
Regional	RTA	Annual Transit Enhancements Program	Various locations region wide	290	\$50,000	\$14,500,000	\$10,304,000
Northwest	RTA	HQTC Improvements	UCR, Riverside to Perris	42	\$75,000	\$3,150,000	\$2,239,000
Regional	RTA	Vehicle Fleet Small Buses/Vans	Various locations region wide	30	\$160,000	\$4,800,000	\$3,411,000
Regional	RTA	Vehicle Fleet Medium Buses	Various locations region wide	20	\$300,000	\$6,000,000	\$4,264,000
Regional	RTA	Vehicle Fleet Large Buses	Various locations region wide	29	\$1,271,000	\$36,859,000	\$26,194,000
Regional	RTA	COA Study	Various locations region wide	2	\$1,150,000	\$2,300,000	\$1,634,000
TOTAL						\$217,870,000	\$154,831,000

4.8 TUMF Network Evaluation

To assess the effectiveness of the proposed TUMF Network improvements to mitigate the cumulative regional impact of new development in Western Riverside County, the proposed network improvements were added to the 2021 existing network in RivCoM and the model was run with 2045 socioeconomic data to determine the relative impacts on horizon year traffic conditions. To quantify the impacts of the TUMF Network improvements, the various traffic measures of effectiveness described in **Section 3.1** for the 2018 Existing and 2045 No-Build scenarios were again calculated for the 2045 TUMF Build scenario. The results for VMT, VHT, VHD, and total VMT experiencing unacceptable level of service (LOS E) were then compared to the results presented in **Table 3.1** for the no-build conditions. The 2045 TUMF Build comparison results are provided in **Table 4.6**. Plots of the Network Extents are attached in **Appendix H**.

As shown in **Table 4.6**, the 2045 peak period VMT on all arterial facilities experiencing LOS of E or worse will decrease with the addition of the TUMF Network improvements while the share of VMT on the TUMF arterial network experiencing LOS E or worse during the peak periods will be reduced to 32% (which is still above the level experienced in 2018). It should be noted that the total VMT on the arterial system **increases** because of freeway trips being diverted to the arterial system to benefit from the proposed TUMF improvements.

Despite a greater share of the total peak period VMT in 2045, the arterial system can more efficiently accommodate the increased demand with the proposed TUMF improvements. Although peak period VMT on the TUMF improved arterial system increases by approximately 6% in 2045 compared to the No Build condition, VHT on the arterial system remains almost constant. Additionally, a benefit is observed on the

freeway system with VMT and VHT being reduced following TUMF Network improvements. By completing TUMF improvements, the total VHD experienced by all area motorists would be reduced during the peak period by over 7% from the levels that would be experienced under the 2045 No-Build scenario. These results highlight the effectiveness of the TUMF Program to mitigate the cumulative regional transportation impacts of new development commensurate with the level of impact being created.

Table 4.6 – Regional Highway System Measures of Performance (2018 Existing and 2045 No-Build Scenarios to 2045 TUMF Build Scenario)

	Peak Periods (Total)		
Measure of Performance*	2018 Existing	2045 No-Build	2045 Build
VMT - Total ALL FACILITIES	23,284,724	29,897,254	30,160,328
VMT - FREEWAYS	13,514,522	15,490,284	15,418,548
VMT - ALL ARTERIALS	9,770,202	14,406,970	14,741,781
TOTAL - TUMF ARTERIAL VMT	6,216,985	8,597,200	9,096,417
VHT - TOTAL ALL FACILITIES	541,350	915,439	895,725
VHT - FREEWAYS	263,792	399,128	388,847
VHT - ALL ARTERIALS	277,558	516,311	506,878
TOTAL TUMF ARTERIAL VHT	174,455	320,869	321,062
VHD - TOTAL ALL FACILITIES	108,900	338,056	313,288
VHD - FREEWAYS	66,156	170,649	161,528
VHD - ALL ARTERIALS	42,745	167,407	151,760
TOTAL TUMF ARTERIAL VHD	33,249	124,863	114,451
VMT LOS E - TOTAL ALL FACILITIES	5,605,070	13,369,483	12,788,016
VMT LOS E - FREEWAYS	4,725,471	9,316,891	9,115,937
VMT LOS E & F - ALL ARTERIALS	879,599	4,052,592	3,672,079
TOTAL TUMF ARTERIAL VMT w/ LOS E or worse	765,782	3,184,133	2,929,288
% of TUMF ARTERIAL VMT w/ LOS E or worse	12%	37%	32%

^{*} Source: RivCoM 2018 base network and SCAG 2020 RTP/SCS SED with updated 2021 arterial network as existing in December 2021 and RivCoM 2018 base network and SCAG 2020 RTP/SCS SED with updated 2021 arterial network plus future TUMF network projects.

NOTES:

Volume is adjusted by PCE factor

VMT = vehicle miles of travel (the total combined distance that all vehicles travel on the system)

VHT = vehicle hours of travel (the total combined time that all vehicles are traveling on the system)

VHD = vehicle hours of delay (the total combined time that all vehicles have been delayed on the system based on the difference between forecast travel time and free-flow (ideal) travel time)

LOS = level of service (based on forecast volume to capacity ratios).

LOS E or Worse was determined by V/C ratio that exceeds 0.9 thresholds as indicated in the Riverside County General Plan.

5.0 TUMF NEXUS ANALYSIS

The objective of this section is to evaluate and document the rational nexus (or reasonable relationship) between the proposed fee and the transportation system improvements it will be used to help fund. The analysis starts by documenting the correlation between future development and the need for transportation system improvements on the TUMF network to mitigate the cumulative regional impacts of this new development, followed by analysis of the nexus evaluation of the key components of the TUMF concept.

5.1 Future Development and the Need for Improvements

Previous sections of this report documented the projected population, household and employment growth in Western Riverside County, the expected increases in traffic congestion and travel delay, and the identification of the transportation system improvements that will serve these future inter-community travel demands. The following points coalesce this information in a synopsis of how the future growth relates to the need for improvements to the TUMF system.

- Western Riverside County is expected to continue growing.

 Development in Western Riverside County is expected to continue at a robust rate of growth into the foreseeable future. Current projections estimate the population is projected to grow from a level of approximately 1.91 million in 2018 to a future level of about 2.53 million in 2045, while employment is projected to grow from a level of about 570,000 in 2018 to approximately 846,000 in 2045 (as shown in **Table 2.3**).
- Continuing growth will result in increasing congestion on arterial roadways. Traffic congestion and delay on arterial roadways are projected to increase dramatically in the future (as shown in **Table 3.1**). Without improvements to the transportation system, congestion levels will grow rapidly and travelers will experience unacceptable travel conditions with slow travel speeds and lengthy delays.
- > The future arterial roadway congestion is directly attributable to future development in Western Riverside County.

Traffic using arterial roadways within Western Riverside County is virtually all generated within or attracted to Western Riverside County, since longer-distance trips passing through the region typically use the freeway system, not arterial roadways. Therefore, the future recurring congestion problems on these roadways will be attributable to new trips that originate in, terminate in, or travel within Western Riverside County.

Capacity improvements to the transportation system will be needed to alleviate the future congestion caused by new development.

To maintain transportation service closer to current levels of efficiency, capacity enhancements will need to be made to the arterial roadway system. These enhancements could include new or realigned roads, additional lanes on existing

roads, new or expanded bridges, new or upgraded freeway interchanges, grade separation of at-grade rail crossings, or the installation of new ITS to improve traffic flows. The completion of improvements to the arterial roadway system would enhance regional mobility and reduce the total peak period vehicles hours of travel (VHT) by over 2%, reduce peak period vehicle hours of delay (VHD) by over 7%, and reduce the share of traffic experiencing congestion in the peak periods by over 4% (as shown in **Table 4.6**). The specific needs and timing of implementation will depend on the location and rate of future development, so the specific improvements to be funded by the TUMF and their priority of implementation will be determined during future project programming activities as improvement needs unfold and as TUMF funds become available.

Roads on the TUMF network are the facilities that merit improvement through this fee program.

The criteria used to identify roads for the TUMF network (future number of lanes, future traffic volume, future congestion level, and roadway function linking communities and activity centers and serving public transportation) were selected to ensure that these are the roadways that will serve inter-community travel and will require future improvement to alleviate congestion.

Improvements to the public transportation system will be needed to provide adequate mobility for transit-dependent travelers and to provide an alternative to automobile travel.

Since a portion of the population does not own an automobile and depends on public transportation for mobility, public transportation infrastructure and service will need to be enhanced and expanded to ensure continued mobility for this segment of the population. In addition, improvements to the public transportation system will be required to ensure that transit service can function as a viable option for future new Western Riverside County residents and employees who choose to avoid congestion by using public transportation.

For the reasons cited above, it can be readily concluded that there is a rational nexus between the future need for transportation improvements on the TUMF system and the future development upon which the proposed TUMF would be levied. The following sections evaluate the rational nexus in relation to the system components and the types of uses upon which the fee is assessed.

5.2 Application of Fee to System Components

As noted in **Section 3.2**, the TUMF concept includes splitting the fee revenues between the backbone system of arterials, the secondary system of arterials, and the public transportation system. This section evaluates the travel demands to determine the rational nexus between the future travel demands and the use of the fee to fund improvements to the future system components.

The split of fee revenues between the backbone and secondary highway networks is related to the proportion of highway vehicle trips that are relatively local (between

adjacent communities) and longer distance (between more distant communities but still within Western Riverside County). To estimate a rational fee split between the respective networks, the future combined AM and PM peak period travel forecast estimates were aggregated to a matrix of trips between zones to show the percentage of trips that remain within each zone in relation to the volume that travels to the other zones. This analysis was completed using the Year 2045 No-Build scenario trip tables from RivCoM.

The first step in the analysis was to create a correspondence table between the TAZs in the model and the five WRCOG TUMF zones (i.e. Northwest, Southwest, Central, Hemet/San Jacinto and Pass). The TAZs were then compressed into six districts (the five WRCOG zones and one for the rest of the SCAG region).

Table 5.1 shows the estimated peak period vehicle trips within and between each of the zones. **Table 5.2** shows the percentage of peak period vehicle trips within and between the respective zones. **Appendix I** includes the detailed RivCoM outputs used to develop the regional trip distribution profile shown in **Table 5.1** and **5.2**.

Table 5.1 - 2045 No-Build Peak Period Vehicle Trips by WRCOG Zone

To From	Central	Hemet/San Jacinto	Northwest	Pass	Southwest	Outside WRCOG	TOTAL
Central	417,608	23,474	89,780	6,301	55,101	57,558	649,822
Hemet/San Jacinto	29,401	209,005	8,647	8,432	16,081	18,078	289,645
Northwest	58,578	2,684	743,234	2,687	11,032	196,041	1,014,257
Pass	8,068	7,585	6,114	110,385	908	32,334	165,395
Southwest	55,812	16,232	32,852	1,976	667,255	62,713	836,839
Outside WRCOG	33,907	7,574	192,712	24,490	33,867		292,550
TOTAL	603,375	266,554	1,073,340	154,271	784,244	366,724	3,248,507

Based on RivCoM Year 2045 No-Build scenario

Table 5.2 – 2045 No-Build Percent Peak Period Vehicle Trips By WRCOG Zone

From	Central	Hemet/San Jacinto	Northwest	Pass	Southwest	Outside WRCOG	TOTAL
Central	64.3%	3.6%	13.8%	1.0%	8.5%	8.9%	100%
Hemet/San Jacinto	10.2%	72.2%	3.0%	2.9%	5.6%	6.2%	100%
Northwest	5.8%	0.3%	73.3%	0.3%	1.1%	19.3%	100%
Pass	4.9%	4.6%	3.7%	66.7%	0.5%	19.5%	100%
Southwest	6.7%	1.9%	3.9%	0.2%	79.7%	7.5%	100%

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Based on RivCoM Year 2045 No-Build scenario

Table 5.3 summarizes the calculation of the split between the backbone and secondary highway networks as derived from the peak period trip values provided in **Table 5.1**. Peak period vehicle trips to and from areas outside Western Riverside County were subtracted from the calculation, on the presumption that most of their interregional travel would occur on the freeway system. Peak period trips <u>between</u> zones (regional) were assigned to the backbone network, since these trips are primarily served by the arterial roadways that provide connections between the zones. Peak period trips <u>within</u> zones (local) were split between the backbone network and the secondary network in proportion to their lane-miles, since roadways on both networks serve intra-zonal trips. The backbone network includes approximately 41.1% of the lane-miles on the future TUMF system, and the secondary network includes approximately 58.9% of the lane-miles.

The backbone network is therefore assigned all the inter-zonal peak period trips plus 41.1% of the intra-zonal peak period trips. The secondary network is assigned 58.9% of the intra-zonal peak period trips and none of the inter-zonal peak period trips. The overall result is that 51.1% of the regional travel is assigned to the backbone network and 48.9% is assigned to the secondary network.

Table 5.3 - Backbone-Secondary Network Share Calculation

Calculation Value Description	Input Values	Backbone Value	Backbone Share	Secondary Value	Secondary Share
Total Western Riverside County Peak Period Vehicle Trips	3,248,507				
Less Internal/External Peak Period Vehicle Trips	-659,273				
Total Peak Period Vehicle Trips Internal to Western Riverside County	2,589,234				
Peak Period Vehicle Trips Between TUMF Zones	441,747				
Peak Period Vehicle Trips Within TUMF Zones	2,147,487				
TUMF Future Network Lane-Miles	3,029.9	1,243.9	41.1%	1,786.0	58.9%
Peak Period Vehicle Trips Between TUMF Zones	441,747	441,747	100.0%	0	0.0%
Peak Period Vehicle Trips Within TUMF Zones (as share of intra- zonal trips)	2,147,487	882,332	41.1%	1,265,155	58.9%
Total Peak Period Vehicle Trips Assigned	2,589,234	1,324,079	51.1%	1,265,155	48.9%

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Based on RivCoM Year 2045 No-Build scenario: TUMF Nexus Study Exhibit H-1

5.3 Application of Fee to Residential and Non-Residential Developments

In order to establish the approximate proportionality of the future traffic impacts associated with new residential development and new non-residential development, the growth in daily VMT between the 2018 Existing and 2045 No-Build Scenarios from RivCoM were aggregated by trip purpose. RivCoM produces person trips (irrespective of mode choice) on the basis of five trip purposes: home-based-work (HBW), home-based-other (HBO), home-based-school (HBS), non-home-based (NHB), and home-based-university (HBU).

NCHRP Report #187 Quick Response Urban Travel Estimation Techniques and Transferable Parameters User's Guide (Transportation Research Board, 1978) details operational travel estimation techniques that are universally used for the travel demand modeling. Chapter 2 of this report, which details trip generation estimation, states that "HBW (Home Based Work) and HBNW (Home Based Non-Work) trips are generated at the households, whereas the NHB (Non-Home Based) trips are generated elsewhere." In accordance with NCHRP Report #187, growth in daily VMT was aggregated into home-based growth in daily VMT (combining the four home-based purposes: HBW, HBO, HBSC and HBU) and non-home-based growth in daily VMT. The home-based growth in daily VMT represents 77.7% of the total future growth in daily VMT and the non-home-based growth in daily VMT represent 22.3% of the total future growth in daily VMT, as shown in Table 5.4. Appendix J includes the RivCoM outputs used to develop the trip purpose summary in Table 5.4.

Table 5.4 - Daily VMT Growth by Trip Purpose for Western Riverside County (2018 - 2045)

VEHICLE TRIP PURPOSE	2018 EXISTING DAILY VMT	2045 NO-BUILD DAILY VMT	DAILY VMT GROWTH	DAILY VMT GROWTH SHARE
Home-Based-Work	81,121,525	98,818,811	17,697,286	31.8%
Home-Based-Other	114,840,696	138,710,519	23,869,822	42.9%
Home-Based-School (K-12)	8,592,941	9,230,272	637,331	1.1%
Non-Home-Based	61,534,566	73,907,099	12,372,533	22.3%
Home-Based-University	5,377,197	6,400,662	1,023,465	1.8%
TOTAL	271,466,925	327,067,363	55,600,437	100.00%
Home-Based Trips (Residential Uses)			43,227,904	77.7%
Non-Home-Based Trips (Non-Residential Uses)			12,372,533	22.3%

Based on RivCoM Year 2018 Existing Scenario, November 2023 and RivCoM Year 2045 No Build Scenario, November 2023

6.0 FAIR-SHARE FEE CALCULATION

The fee amounts, by type of development, that are justified to mitigate the cumulative regional impacts of new development on transportation facilities in Western Riverside County are quantified in this section. The total cost of improving the TUMF system is \$5.28 billion. Existing funding obligated for improvements to the TUMF system totals \$382.9 million while unfunded improvement needs generated by existing development represent \$646.9 million of the total cost. The balance of the unfunded TUMF system improvement needs is \$4.24 billion which is the maximum value attributable to the mitigation of the cumulative regional transportation impacts of future new development in the WRCOG region and will be captured through the TUMF Program. By levying the uniform fee directly on future new developments (and indirectly on new residents and new employees to Western Riverside County), these transportation system users are assigned their "fair share" of the costs to address the cumulative impacts of additional traffic they will generate on the regional transportation system.

Of the \$4.24 billion in unfunded future improvement needs, 77.7% (\$3.30 billion) will be assigned to future new residential development and 22.3% (\$946.5 million) will be assigned to future new non-residential development.

6.1 Residential Fees

The portion of the unfunded future improvement cost allocable to new residential development through the TUMF is \$3.30 billion. Since this future transportation system improvement need is generated by new residential development anticipated through the Year 2045, the fee will be spread between the residential developments projected to be constructed between 2018 and 2045. The projected residential growth from year 2018 to 2045 is 257,826 households (or dwelling units) as is indicated in **Table 2.3**.

Different household types generate different numbers of trips. To reflect the difference in trip generation between lower density "single-family" dwelling units and higher density "multi-family" dwelling units, the TUMF was weighted based on the respective trip generation rates of these different dwelling unit types. For the purposes of the TUMF Program, single family dwelling units are those housing units with a density of less than 8 units per acre while multi-family units are those with a density of 8 or more units per acre. According to the SCAG 2020 RTP/SCS forecasts included in **Table 2.3** and **Appendix B**, single family dwelling units (including mobile homes) are forecast to constitute 65.0% of the growth in residential dwelling units in the region between 2018 and 2045.

Data provided in the Institute of Transportation Engineers (ITE) <u>Trip Generation</u> Manual, 11th Edition (2021) show that, on average, single-family dwelling units generate 0.99 vehicle trips per dwelling unit per hour in the PM peak hour, whereas apartments, condominiums and townhouses (considered to be representative of higher density multi-family dwelling units) generate a median of 0.50 vehicle trips per unit per hour in the PM peak hour. The growth in dwelling units for single-family and multi-family, respectively, were multiplied by the corresponding trip generation rates to determine

the weighted proportion of the change in trips attributable to each use type as the basis for determining the per unit fee required to levy the necessary \$3.20 billion to mitigate the cumulative regional transportation impacts of future new residential development. **Table 6.1** summarizes the calculation of the fee for single-family and multi-family dwelling units. **Appendix K** includes worksheets detailing the calculation of the residential (and non-residential) TUMF for Western Riverside County.

Table 6.1 - Fee Calculation for Residential Share

Residential Sector	2018 Dwelling Units	2045 Dwelling Units	Dwelling Unit Change	Trip Generation Rate	Trip Change	Percentage of Trip Change	Fee/DU
Single-Family	397,407	564,898	167,491	0.99	165,816	78.6%	\$15,476
Multi-Family	157,166	247,501	90,335	0.50	45,168	21.4%	\$7,816
Total	554,573	812,399	257,826		210,984	100.0%	

Household data based on SCAG 2020 RTP/SCS; Trip Generation based on ITE <u>Trip Generation</u> (2021).

6.2 Non-Residential Fees

The portion of the unfunded future improvement cost allocable to new non-residential development through the TUMF is \$946.5 million. Estimates of employment by sector were obtained from the SCAG 2020 RTP/SCS socioeconomic data included in **Table 2.3** and **Appendix B**. From the 2045 employment forecast, the amount of employee growth in each sector was calculated. The employment figures were then translated into square footage of new development using typical ratios of square feet per employee derived from four sources including: Cordoba Corporation/Parsons Brinckerhoff Quade and Douglas (PBQD), Land Use Density Conversion Factors For Long Range Corridor Study San Bernardino and Riverside Counties, August 20, 1990; Orange County Transportation Authority (OCTA), Orange County Subarea Model Guidelines Manual, June 2001; SCAG, Employment Density Study, October 31, 2001; and the County of Riverside, General Plan, as amended December 15, 2015. Worksheets showing the development of the TUMF employee conversion factors and the application of the conversion factors to calculate the square footage of future new non-residential development in Western Riverside County are included in **Appendix L**.

To account for the differences in trip generation between various types of non-residential uses, the new non-residential development was weighted by trip generation rate for each sector. Typical trip generation rates per employee were obtained from the Institute of Transportation Engineers (ITE) <u>Trip Generation – 11th Edition</u> (2021), and were weighted based on a calculated value of trips per employee as derived from the employee conversion factors and ITE typical trip generation rates per square foot of development, before being assigned to the non-residential categories as follows: Industrial – 0.6 PM peak hour trips per employee, Retail – 1.8 PM peak hour trips per employee, Service – 1.2 PM peak hour trips per employee, and Government/Public –

2.1 PM peak hour trips per employee¹². These rates were applied to the employment growth in each sector to determine the relative contribution of each sector to new tripmaking, and the \$946.5 million was then allocated among the non-residential categories based on the percentage of new trips added. This proportionate non-residential fee share by sector was then divided by the estimated square footage of future new development to obtain the rate per square foot for each type of use. The calculation of the non-residential fee by sector is shown in **Table 6.2**.

Table 6.2 - Fee Calculation for Non-Residential Share

Non-Residential Sector	Employment Change	Trip Generation Rate per Employee	Trip Change	Percentage of Trip Change	Change in Square Feet of Gross Floor Area	Fee/SF
Industrial	76,581	0.6	45,949	15.1%	61,489,565	\$2.33
Retail	13,115	1.8	23,607	7.8%	6,557,500	\$11.21
Service	174,255	1.2	209,106	68.8%	66,735,957	\$9.76
Government/Public	12,071	2.1	25,349	8.3%	3,420,665	\$23.07
Total	276,022		304,011	100.0%	138,203,688	

Employment Change data based on SCAG 2020 RTP/SCS; Trip Generation based on ITE (2021); Change in Square Feet conversion factor based on Cordoba (1990), OCTA (2001), SCAG (2001) and County of Riverside (2015).

¹² The median trip generation rate for 'Retail' and 'Service' was reduced to reflect the influence of pass-by trips using the weekday PM peak median pass-by trip rate for select uses as derived from the ITE <u>Trip Generation Manual (11th Edition)</u> (September 2021).

7.0 CONCLUSIONS

Based on the results of the Nexus Study evaluation, there is reasonable relationship between the cumulative regional transportation impacts of new land development projects in Western Riverside County and the need to mitigate these transportation impacts using funds levied through the ongoing TUMF Program. Factors that reflect this reasonable relationship include:

- Western Riverside County is expected to continue growing because of future new development.
- > Continuing new growth will result in increasing congestion on arterial roadways.
- > The future arterial roadway congestion is directly attributable to the cumulative regional transportation impacts of future development in Western Riverside County.
- Capacity improvements to the transportation system will be needed to mitigate the cumulative regional impacts of new development.
- Roads on the TUMF network are the facilities that merit improvement through this fee program.
- ➤ Improvements to the public transportation system will be needed to provide adequate mobility for transit-dependent travelers and to provide an alternative to automobile travel.

The Nexus Study evaluation has established a proportional "fair share" of the improvement cost attributable to new development based on the impacts of existing development and the availability of obligated funding through traditional sources. Furthermore, the Nexus Study evaluation has divided the fair share of the cost to mitigate the cumulative regional impacts of future new development in Western Riverside County in rough proportionality to the cumulative impacts of future residential and non-residential development in the region. The respective fee allocable to future new residential and non-residential development in Western Riverside County is summarized for differing use types in **Table 7.1**.

Table 7.1 - Transportation Uniform Mitigation Fee for Western Riverside County

Land Use Type	Units	Development Change	Fee Per Unit	Total Revenue (\$ million)
Single Family Residential	DU	167,491	\$15,476	\$2,592.0
Multi Family Residential	DU	90,335	\$7,816	\$706.1
Industrial	SF GFA	61,489,565	\$2.33	\$143.1
Retail	SF GFA	6,557,500	\$11.21	\$73.5
Service	SF GFA	66,735,957	\$9.76	\$651.1
Government/Public	SF GFA	3,420,665	\$23.07	\$78.9
MAXIMUM TUMF VALUE				\$4,244.6

8.0 APPENDICES

The following Appendices incorporate the extent of materials used to support the development of the WRCOG TUMF Nexus Study and, where appropriate, specifically the 2024 Update. The respective Appendices also incorporate an explanation of the methodology and assumptions used to develop the various elements of the Nexus Study.

These Appendices represent a compilation of materials derived from a variety of technical resources. Each of the following Appendices relate to the development of a specific element of the Nexus Study. These Appendices are as follows:

- **Appendix A List of WRCOG Committees**
- Appendix B Western Riverside County Population and Employment Growth 2018 2045
- Appendix C Western Riverside County Traffic Growth 2018 2045
- Appendix D Western Riverside County Transit System Ridership 2018 2045
- Appendix E Western Riverside County Regional System of Highways and Arterials Performance Measures
- Appendix F TUMF Network Cost Assumptions
- Appendix G TUMF 2024 Program Update Disposition of Network Change Requests
- Appendix H TUMF Network Cost Estimate and Evaluation
- Appendix I Western Riverside County Regional Trip Distribution
- Appendix J Western Riverside County Regional Trip Purpose
- Appendix K Residential Fee Calculation
- Appendix L Non-Residential Fee Calculation

Appendix A - List of WRCOG Committees

WRCOG Executive Committee

Sheri Flynn	City of Banning		
Mike Lara	City of Beaumont		
Wendy Hewitt	City of Calimesa		
Mark Terry	City of Canyon Lake		
Jacque Casillas (2nd Vice-Chair)	City of Corona		
Christian Dinco	City of Eastvale		
Jackie Peterson	City of Hemet		
Chris Barajas (Past Chair)	City of Jurupa Valley		
Brian Tisdale	City of Lake Elsinore		
Bob Karwin	City of Menifee		
Elena Baca-Santa Cruz	City of Moreno Valley		
Lisa DeForest	City of Murrieta		
Kevin Bash	City of Norco		
Rita Rogers (Chair)	City of Perris		
Chuck Conder	City of Riverside		
Crystal Ruiz	City of San Jacinto		
James Stewart	City of Temecula		
Joseph Morabito	City of Wildomar		
Kevin Jeffries	County of Riverside Dist. 1		
Karen Spiegel	County of Riverside Dist. 2		
Chuck Washington	County of Riverside Dist. 3		
Yxstian Gutierrez	County of Riverside Dist. 5		
Phil Paule	Eastern Municipal Water District		
Dr. Edwin Gomez	Riverside County Superintendent of		
DI. LUWIII GOITIEZ	Schools (ex-officio)		
Brenda Dennstedt (Vice-Chair)	Western Water		

WRCOG Technical Advisory Committee

Doug Schulze	City of Banning
Elizabeth Gibbs	City of Beaumont
Will Kolbow	City of Calimesa
Aaron Brown	City of Canyon Lake
Brett Channing	City of Corona
Mark Orme	City of Eastvale
Mark Prestwich	City of Hemet
Rod Butler (Past Chair)	City of Jurupa Valley
Jason Simpson	City of Lake Elsinore
Armando Villa	City of Menifee
Mike Lee	City of Moreno Valley
Kim Summers	City of Murrieta
Lori Sassoon	City of Norco
Clara Miramontes (Chair)	City of Perris
Mike Futrell	City of Riverside
Rob Johnson	City of San Jacinto
Aaron Adams	City of Temecula
Dan York	City of Wildomar
Jeff Van Wagenen	County of Riverside
Joe Mouawad	Eastern Municipal Water District
Grace Martin	March Joint Power Authority
Matt Snellings	Riverside County Office of Education
Craig Miller	Western Water

A-2

WRCOG Planning Directors' Committee

	1
no new appointment made (as of 07/24/24)	City of Banning
Carole Kendrick	City of Beaumont
Kelly Lucia	City of Calimesa
Jim Morrisey	City of Canyon Lake
Joanne Coletta	City of Corona
David Murray	City of Eastvale
Monique Alaniz-Flejter	City of Hemet
Joe Perez (Chair)	City of Jurupa Valley
Damaris Abraham	City of Lake Elsinore
Cheryl Kitzerow	City of Menifee
Sean Kelleher (2nd Vice-Chair)	City of Moreno Valley
David Chantarangsu	City of Murrieta
Alma Robles	City of Norco
Kenneth Phung (Vice-Chair)	City of Perris
Judy Eguez	City of Riverside
Travis Randel	City of San Jacinto
Matt Peters	City of Temecula
Matthew Bassi	City of Wildomar
John Hildebrand	County of Riverside
Jeffrey Smith	March Joint Powers Authority
Jennifer Nguyen	Riverside Transit Agency
Ryan Shaw	Western Water

WRCOG Public Works Committee

Art Vela	City of Banning
Robert Vestal	City of Beaumont
Michael Thornton	City of Calimesa
Stuart McKibben	City of Canyon Lake
Savat Khamphou (Vice-Chair)	City of Corona
Jimmy Chung	City of Eastvale
Noah Rau	City of Hemet
Paul Toor (Chair)	City of Jurupa Valley
Remon Habib	City of Lake Elsinore
Nick Fidler	City of Menifee
Melissa Walker	City of Moreno Valley
Bob Moehling	City of Murrieta
Sam Nelson	City of Norco
John Pourkazemi	City of Perris
Gil Hernandez	City of Riverside
Stuart McKibbin (Vice-Chair)	City of San Jacinto
Patrick Thomas	City of Temecula
Jason Farag	City of Wildomar
Patricia Romo	County of Riverside
Lauren Sotelo	March Joint Powers Authority
Jillian Guizado	Riverside County Transportation Commission
Mauricio Alvarez	Riverside Transit Agency

WRCOG Finance Directors' Committee

Lincoln Bogard	City of Banning
Jennifer Ustation	City of Beaumont
Celeste Reid	City of Calimesa
Terry Shea	City of Canyon Lake
Kim Sitton	City of Corona
Amanda Wells	City of Eastvale
vacant	City of Hemet
June Overholt	City of Jurupa Valley
Shannon Buckley	City of Lake Elsinore
Travis Hickey	City of Menifee
Launa Jimenez	City of Moreno Valley
Javier Carcamo (Past Chair)	City of Murrieta
Lisette Free	City of Norco
Ernie Reyna (Chair)	City of Perris
Kristie Thomas	City of Riverside
Erika Gomez (2nd Vice-Chair)	City of San Jacinto
Jennifer Hennessy	City of Temecula
Adam Jantz	City of Wildomar
Vacant	County of Riverside
John Adams	Eastern Municipal Water District
Grace Martin	March Joint Power Authority
Dr. Ruth Perez	Riverside County Office of Education
Kevin Mascaro	Western Water

Appendix B - Western Riverside County Population and Employment Growth 2008 – 2035

Although a variety of alternate demographic information is available for the purpose of quantifying population and household growth in Western Riverside County, it was determined that the data developed by SCAG to support the 2020 RTP/SCS represented the most comprehensive source of socioeconomic data (SED) for the six-county SCAG region that includes Riverside County. The SCAG 2020 RTP/SCS SED information is disaggregated to the level of traffic analysis zones (TAZ) that comprise inputs to RivCoM. These SED data by TAZ were extracted from RivCoM (specifically the TAZ_Data.CSV file located in the PopSyn output folder) and aggregated to correspond with the TUMF zones to support this update of the TUMF Nexus. The SCAG 2020 RTP/SCS SED data retrieved from RivCoM and used as the basis for the Nexus Update is summarized in this Appendix.

The SCAG employment data for 2018 and 2045 was provided for thirteen employment sectors consistent with the California Employment Development Department (EDD) Major Groups including: Farming, Natural Resources and Mining; Construction; Manufacturing; Wholesale Trade; Retail Trade; Transportation, Warehousing and Utilities; Information; Financial Activities; Professional and Business Service; Education and Health Service; Leisure and Hospitality; Other Service; and Government. For the purposes of the Nexus Study, the SCAG Employment Categories were aggregated to Industrial (Farming, Natural Resources and Mining; Construction; Manufacturing; Wholesale Trade; Transportation, Warehousing and Utilities), Retail (Retail Trade), Service (Information; Financial Activities; Professional and Business Service; Education and Health Service; Leisure and Hospitality; Other Service) and Government/Public Sector (Government). These four agaregated sector types were used as the basis for calculating the fee as described in **Section 6.2**. This Appendix includes tables detailing the SCAG RTP/SCS SED Employment Categories and corresponding North American Industry Classification System (NAICS) Categories that are included in each nonresidential sector type.

The page is a placeholder for:

EXHIBIT B-1

Western Riverside County 2018 Socioeconomic Data (SED) by TUMF Zone

Western Riverside County Population, Households and Employment (2018) - SCAG 2020 RTP/SCS Base Year

EXHIBIT B-1
Western Riverside County Population, Households and Employment (2018) - SCAG 2020 RTP/SCS Base Year

SED Type/Zone	Central	Northwest	Pass	San Jacinto	Southwest	Total
Population						
Total Population	408,260	777,900	98,688	187,677	432,915	1,905,440
Households						
Single-Family	83,142	152,897	24,937	38,888	97,543	397,407
Multi-Family	26,889	63,591	8,661	26,055	31,970	157,166
Total Households	110,031	216,488	33,598	64,943	129,513	554,573
Employment						
Farming, Natural Resources and Mining	799	3,431	559	1,625	2,080	8,494
Construction	6,245	31,914	1,807	2,067	13,290	55,323
Manufacturing	4,172	25,866	1,101	925	8,902	40,966
Wholesale Trade	8,428	9,269	268	546	6,490	25,001
Retail Trade	13,346	32,061	5,472	4,564	18,371	73,814
Transportation, Warehousing and Utilities	7,349	22,686	1,132	2,132	6,251	39,550
Information	425	2,073	496	177	863	4,034
Financial Activities	1,887	8,632	586	1,003	5,414	17,522
Professional and Business Service	7,834	32,973	3,434	1,630	13,532	59,403
Education and Health Service	20,423	76,884	6,092	13,659	29,192	146,250
Leisure and Hospitality	8,391	21,990	7,207	3,726	18,270	59,584
Other Service	2,834	10,603	1,244	1,891	5,338	21,910
Government	2,579	11,727	871	761	2,631	18,569
TUMF Industrial	26,993	93,166	4,867	7,295	37,013	169,334
TUMF Retail	13,346	32,061	5,472	4,564	18,371	73,814
TUMF Service	41,794	153,155	19,059	22,086	72,609	308,703
TUMF Government/Public Sector	2,579	11,727	871	761	2,631	18,569
Total Employment	84,712	290,109	30,269	34,706	130,624	570,420

EXHIBIT B-2
Western Riverside County Population, Households & Employment (2045) - SCAG 2020 RTP/SCS Horizon Year

SED Type/Zone	Central	Northwest	Pass	San Jacinto	Southwest	Total
Population						
Total Population	594,678	925,228	158,040	289,439	566,491	2,533,876
Households						
Single-Family	133,507	181,827	43,988	70,713	134,863	564,898
Multi-Family	53,555	79,359	14,362	43,654	56,571	247,501
Total Households	187,062	261,186	58,350	114,367	191,434	812,399
Employment						
Farming, Natural Resources and Mining	712	2,212	527	1,218	2,001	6,670
Construction	18,304	48,533	3,186	5,861	20,236	96,120
Manufacturing	6,836	24,624	1,393	1,149	10,335	44,337
Wholesale Trade	6,150	9,048	324	559	6,529	22,610
Retail Trade	16,310	33,656	7,136	6,338	23,489	86,929
Transportation, Warehousing and Utilities	18,227	38,043	2,705	4,771	12,432	76,178
Information	642	2,166	476	191	1,116	4,591
Financial Activities	2,906	9,889	1,229	1,536	6,665	22,225
Professional and Business Service	14,214	41,712	6,016	4,518	21,058	87,518
Education and Health Service	52,764	111,454	13,803	25,739	51,118	254,878
Leisure and Hospitality	13,197	27,739	10,540	8,424	24,641	84,541
Other Service	5,148	13,062	1,532	2,838	6,625	29,205
Government	6,229	18,222	1,176	1,471	3,542	30,640
TUMF Industrial	50,229	122,460	8,135	13,558	51,533	245,915
TUMF Retail	16,310	33,656	7,136	6,338	23,489	86,929
TUMF Service	88,871	206,022	33,596	43,246	111,223	482,958
TUMF Government/Public Sector	6,229	18,222	1,176	1,471	3,542	30,640
Total Employment	161,639	380,360	50,043	64,613	189,787	846,442

EXHIBIT B-3
Western Riverside County Population, Households and Employment (2018 to 2045 Change) - SCAG 2020 RTP/SCS

SED Type/Zone	Central	Northwest	Pass	San Jacinto	Southwest	Total
Population						
Total Population	186,418	147,328	59,352	101,762	133,576	628,436
Households						
Single-Family	50,365	28,930	19,051	31,825	37,320	167,491
Multi-Family	26,666	15,768	5,701	17,599	24,601	90,335
Total Households	77,031	44,698	24,752	49,424	61,921	257,826
Employment						
Farming, Natural Resources and Mining	-87	-1,219	-32	-407	-79	-1,824
Construction	12,059	16,619	1,379	3,794	6,946	40,797
Manufacturing	2,664	-1,242	292	224	1,433	3,371
Wholesale Trade	-2,278	-221	56	13	39	-2,391
Retail Trade	2,964	1,595	1,664	1,774	5,118	13,115
Transportation, Warehousing and Utilities	10,878	15,357	1,573	2,639	6,181	36,628
Information	217	93	-20	14	253	557
Financial Activities	1,019	1,257	643	533	1,251	4,703
Professional and Business Service	6,380	8,739	2,582	2,888	7,526	28,115
Education and Health Service	32,341	34,570	7,711	12,080	21,926	108,628
Leisure and Hospitality	4,806	5,749	3,333	4,698	6,371	24,957
Other Service	2,314	2,459	288	947	1,287	7,295
Government	3,650	6,495	305	710	911	12,071
TUMF Industrial	23,236	29,294	3,268	6,263	14,520	76,581
TUMF Retail	2,964	1,595	1,664	1,774	5,118	13,115
TUMF Service	47,077	52,867	14,537	21,160	38,614	174,255
TUMF Government/Public Sector	3,650	6,495	305	710	911	12,071
Total Employment	76,927	90,251	19,774	29,907	59,163	276,022

Exhibit B-4a - TUMF 2024 Nexus Update

Western Riverside County Population, Households and Employment (2018-2045)

SED Type/Zone	2018	2045	Change	Percent
Total Population	1,905,440	2,533,876	628,436	33%
Total Households	554,573	812,399	257,826	46%
Single-Family	397,407	564,898	167,491	42%
Multi-Family	157,166	247,501	90,335	57%
Total Employment	570,420	846,442	276,022	48%
TUMF Industrial	169,334	245,915	76,581	45%
TUMF Retail	73,814	86,929	13,115	18%
TUMF Service	308,703	482,958	174,255	56%
TUMF Government/Public Sector	18,569	30,640	12,071	65%

Source: SCAG 2020 RTP/SCS

Exhibit B-4b - TUMF 2016 Nexus Update

Western Riverside County Population, Households and Employment (2012-2040)

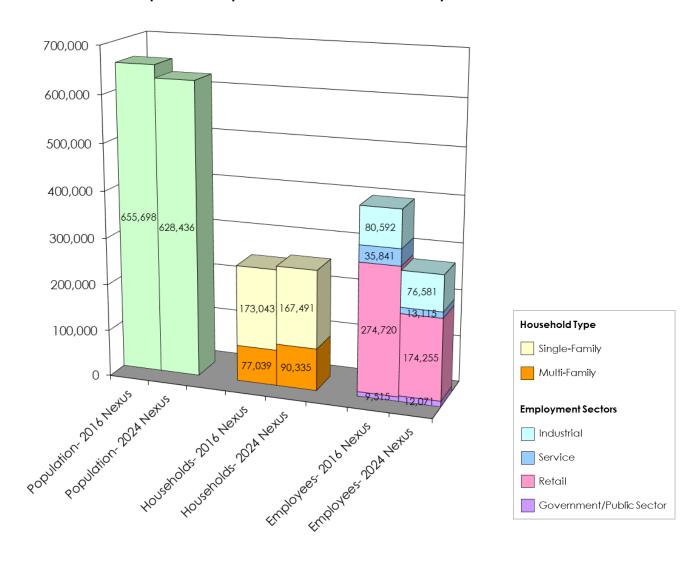
SED Type/Zone	2012	2040	Change	Percent
Total Population	1,773,935	2,429,633	655,698	37%
Total Households	525,149	775,231	250,082	48%
Single-Family	366,588	539,631	173,043	47%
Multi-Family	158,561	235,600	77,039	49%
Total Employment	460,787	861,455	400,668	87%
TUMF Industrial	120,736	201,328	80,592	67%
TUMF Retail	65,888	101,729	35,841	54%
TUMF Service	253,372	528,092	274,720	108%
TUMF Government/Public Sector	20,791	30,306	9,515	46%

Exhibit B-4c - TUMF 2016 Nexus Update to 2024 Nexus Update Comparison
Western Riverside County Population, Households and Employment (Existing to Future Change)

SED Type/Zone	2016 Update (2012-2040)	2024 Update (2018-2045)	Difference	Percent
Total Population	655,698	628,436	-27,262	-4%
Total Households	250,082	257,826	7,744	3%
Single-Family	173,043	167,491	-5,552	-3%
Multi-Family	77,039	90,335	13,296	17%
Total Employment	400,668	276,022	-124,646	-31%
TUMF Industrial	80,592	76,581	-4,011	-5%
TUMF Retail	35,841	13,115	-22,726	-63%
TUMF Service	274,720	174,255	-100,465	-37%
TUMF Government/Public Sector	9,515	12,071	2,556	27%

Source: SCAG 2016 RTP/SCS; SCAG 2020 RTP/SCS

EXHIBIT B-4d
Western Riverside County Population, Households and Employment Change (2012 to 2040 and 2018 to 2045)
TUMF 2016 Nexus Update Comparison to TUMF 2024 Nexus Update



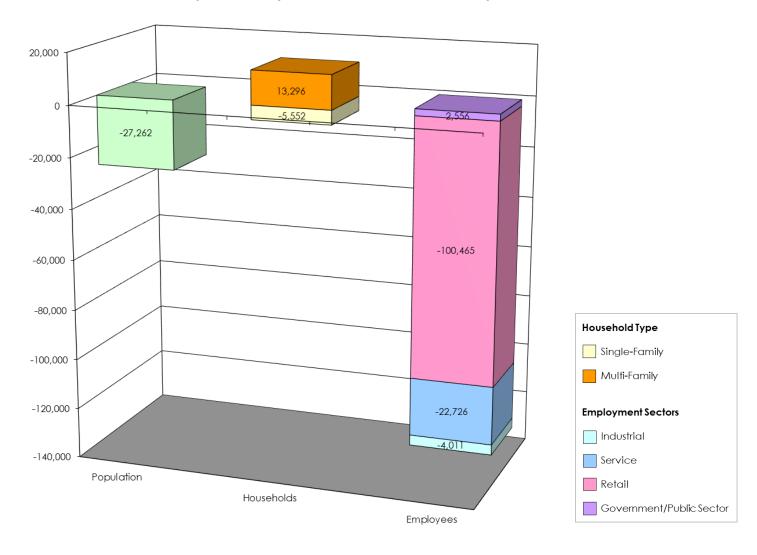
Sources:

Year 2012 to Year 2040 Growth (2016 Nexus Update): SCAG 2016 RTP/SCS; WSP, April 2016
Year 2018 to Year 2045 Growth (2024 Nexus Update): SCAG 2020 RTP/SCS

EXHIBIT B-4e

Difference in Population, Households and Employment Growth in Western Riverside County

TUMF 2016 Nexus Update Comparison to TUMF 2024 Nexus Update



Source:

Year 2012 to Year 2040 Growth (2016 Nexus Update): SCAG 2016 RTP/SCS; WSP, April 2016

Year 2018 to Year 2045 Growth (2024 Nexus Update): SCAG 2020 RTP/SCS

EXHIBIT B-5a
TUMF Non-Residential Category Detailed NAICS Correspondence Summary

	ential Category Detailed				
TUMF Category	SCAG RTP/SCS	NAICS Two D		NAICS Three	
	Employment Categories	NAICS Code	NAICS Title	NAICS Code	NAICS Title
dustrial	I				
	Farming, Natural Resour				
		11	Agriculture, Forestry, Fishing and	1 HUNTING	Const. December 25 and
					Crop Production
				112	Animal Production and Aquaculture
				113	Forestry and Logging
					Fishing, Hunting and Trapping
		21	Mining, Quarrying, and Oil and G	115	Support Activities for Agriculture and Forestry
		21	Mining, Quarrying, and Oil and G	211	Oil and Gas Extraction
				212	Mining (except Oil and Gas)
				213	Support Activities for Mining
	Construction			213	Support Activities for Mining
	Construction	23	Construction		
		23	Construction	236	Construction of Buildings
				237	Heavy and Civil Engineering Construction
				238	Specialty Trade Contractors
	Manufacturing			230	specially flude Conflucions
	Manufacturing	31-33	Manufacturing		
		31-33	Manuacioning	311	Food Manufacturing
				312	Beverage and Tobacco Product Manufacturing
				313	Textile Mills
				314	Textile Product Mills
				314	Apparel Manufacturing
				316	Leather and Allied Product Manufacturing
				321	Wood Product Manufacturing
				322	Paper Manufacturing
				323	Printing and Related Support Activities
				324	Petroleum and Coal Products Manufacturing
				325	Chemical Manufacturing
				326	Plastics and Rubber Products Manufacturing
				327	Nonmetallic Mineral Product Manufacturing
				331	Primary Metal Manufacturing
				332	Fabricated Metal Product Manufacturing
				333	Machinery Manufacturing
				334	Computer and Electronic Product Manufacturing
				335	Electrical Equipment, Appliance, and Component Manufacturing
				337	Furniture and Related Product Manufacturing
				339	Miscellaneous Manufacturing
	Wholesale Trade			337	Miscellar leous Marioracioning
	Wholesale hade	42	Wholesale Trade		
		72	Wholesale hade	423	Merchant Wholesalers, Durable Goods
				424	Merchant Wholesalers, Nondurable Goods
				425	Wholesale Trade Agents and Brokers
	Transportation, Warehou	ısina and Utilit	ies	720	miolesale frade / gerils and brokers
	,,	22	Utilities		
				221	Utilities
		48-49	Transportation and Warehousing		O IIIII O O
				481	Air Transportation
				482	Rail Transportation
				483	Water Transportation
		1		484	Truck Transportation
				485	
				485 486	Transit and Ground Passenger Transportation Pipeline Transportation
				486	Pipeline Transportation
				486 487	Pipeline Transportation Scenic and Sightseeing Transportation
				486 487 488	Pipeline Transportation Scenic and Sightseeing Transportation Support Activities for Transportation
				486 487 488 491	Pipeline Transportation Scenic and Sightseeing Transportation Support Activities for Transportation Postal Service
				486 487 488 491 492	Pipeline Transportation Scenic and Sightseeing Transportation Support Activities for Transportation Postal Service Couriers and Messengers
tail				486 487 488 491	Pipeline Transportation Scenic and Sightseeing Transportation Support Activities for Transportation Postal Service
etail	Retail Trade			486 487 488 491 492	Pipeline Transportation Scenic and Sightseeing Transportation Support Activities for Transportation Postal Service Couriers and Messengers
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etail	Retail Trade	44-45	Refail Trade	486 487 488 491 492 493	Pipeline Transportation Scenic and Sightseeing Transportation Support Activities for Transportation Postal Service Couriers and Messengers Warehousing and Storage
etail	Retail Trade	44-45	Retail Trade	486 487 488 491 492 493	Pipeline Transportation Scenic and Sightseeing Transportation Support Activities for Transportation Postal Service Couriers and Messengers Warehousing and Storage Motor Vehicle and Parts Dealers
etail	Retail Trade	44-45	Retail Trade	486 487 488 491 492 493	Pipeline Transportation Scenic and Sightseeing Transportation Support Activities for Transportation Postal Service Couriers and Messengers Warehousing and Storage Motor Vehicle and Parts Dealers Building Material and Garden Equipment and Supplies Dealers
∍tail	Refail Trade	44-45	Retail Trade	486 487 488 491 492 493 441 444 445	Pipeline Transportation Scenic and Sightseeing Transportation Support Activities for Transportation Postal Service Couriers and Messengers Warehousing and Storage Motor Vehicle and Parts Dealers Building Material and Garden Equipment and Supplies Dealers Food and Beverage Retailers
taii	Retail Trade	44-45	Retail Trade	486 487 488 491 492 493 493 441 444 445 449	Pipeline Transportation Scenic and Sightseeing Transportation Support Activities for Transportation Postal Service Couriers and Messengers Warehousing and Storage Motor Vehicle and Parts Dealers Building Material and Garden Equipment and Supplies Dealers Food and Beverage Retailers Furniture, Home Furnishings, Electronics, and Appliance Retailers
rtail .	Retail Trade	44-45	Retail Trade	486 487 488 491 492 493 493 441 444 445 449 455	Pipeline Transportation Scenic and Sightseeing Transportation Support Activities for Transportation Postal Service Couriers and Messengers Warehousing and Storage Motor Vehicle and Parts Dealers Building Material and Garden Equipment and Supplies Dealers Food and Beverage Retailers Furniture, Home Furnishings, Electronics, and Appliance Retailers General Merchandise Retailers
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etail	Retail Trade	44-45	Retail Trade	486 487 488 491 492 493 493 494 441 444 445 449 455 456 456	Pipeline Transportation Scenic and Sightseeing Transportation Support Activities for Transportation Postal Service Couriers and Messengers Warehousing and Storage Motor Vehicle and Parts Dealers Building Material and Garden Equipment and Supplies Dealers Food and Beverage Retailers Furniture, Home Furnishings, Electronics, and Appliance Retailers General Merchandise Retailers Health and Personal Care Retailers Gasoline Stations and Fuel Dealers
etail	Retail Trade	44-45	Retail Trade	486 487 488 491 492 493 493 441 444 445 449 455 456	Pipeline Transportation Scenic and Sightseeing Transportation Support Activities for Transportation Postal Service Couriers and Messengers Warehousing and Storage Motor Vehicle and Parts Dealers Building Material and Garden Equipment and Supplies Dealers Food and Beverage Retailers Furniture, Home Furnishings, Electronics, and Appliance Retailers General Merchandise Retailers Health and Personal Care Retailers

TUMF Non-Residential Category Detailed NAICS Correspondence Summary

AF Category	SCAG RTP/SCS	NAICS Two			e Digit Code
Culegory	Employment Categori	es NAICS Cod	e NAICS Title	NAICS Code	e NAICS Tifle
e					
	Information				
		51	Information		
			oiidiioii	512	Motion Picture and Sound Recording Industries
				513	Publishing Industries
				516	Broadcasting and Content Providers
				517	Telecommunications
				518	Computing Infrastructure Providers, Data Processing, Web Hosting, and Related Service
				519	Web Search Portals, Libraries, Archives, and Other Information Services
	Financial Activities				
		52	Finance and Insurance		
				521	Monetary Authorities-Central Bank
				522	Credit Intermediation and Related Activities
				523	Securities, Commodity Contracts, and Other Financial Investments and Related Activity
				524	Insurance Carriers and Related Activities
		<u></u>	Book Fatata and Book 1	525	Funds, Trusts, and Other Financial Vehicles
		53	Real Estate and Rental and Le		D. UELL
				531	Real Estate
				532	Rental and Leasing Services
				533	Lessors of Nonfinancial Intangible Assets (except Copyrighted Works)
	Professional and Busin	ess Services			
		54	Professional, Scientific, and To	echnical Services	
			,, colonimo, and i	541	Professional, Scientific, and Technical Services
		55	Management of Companies		Transportary serentifier, and recriminal services
		33	management of Companies		Management of Canananias and Enterprises
		<u> </u>		551	Management of Companies and Enterprises
		56	Administrative and Support a		ement and Remediation Services
				561	Administrative and Support Services
				562	Waste Management and Remediation Services
	Education and Health	Services			
		61	Educational Services		
				611	Educational Services
		62	Health Care and Social Assist		Edocumental services
		- 02	Healin Care and Social Assis	621	Ambulakan Hasilib Cara Sanjiana
					Ambulatory Health Care Services
				622	Hospitals
				623	Nursing and Residential Care Facilities
				624	Social Assistance
	Leisure and Hospitality				
	, ,	71	Arts, Entertainment, and Recr		
				reation	
			Alls, Ellicitalillicili, alla Reci		Performing Arts Spectator Sports and Related Industries
			Alla, Ellichallinieni, and Reci	711	Performing Arts, Spectator Sports, and Related Industries Museums, Historical Sites, and Similar Institutions
			And, Emeridamient, did kee	711 712	Museums, Historical Sites, and Similar Institutions
				711 712 713	
		72	Accommodation and Food S	711 712 713 Services	Museums, Historical Sites, and Similar Institutions Amusement, Gambling, and Recreation Industries
		72		711 712 713 Services 721	Museums, Historical Sites, and Similar Institutions Amusement, Gambling, and Recreation Industries Accommodation
		72		711 712 713 Services	Museums, Historical Sites, and Similar Institutions Amusement, Gambling, and Recreation Industries
	Other Service	72		711 712 713 Services 721	Museums, Historical Sites, and Similar Institutions Amusement, Gambling, and Recreation Industries Accommodation
	Other Service	72	Accommodation and Food S	711 712 713 Services 721 722	Museums, Historical Sites, and Similar Institutions Amusement, Gambling, and Recreation Industries Accommodation
	Other Service			711 712 713 Services 721 722	Museums, Historical Sites, and Similar Institutions Amusement, Gambling, and Recreation Industries Accommodation Food Services and Drinking Places
	Other Service		Accommodation and Food S	711 712 713 Services 721 722 ic Administration) 811	Museums, Historical Sites, and Similar Institutions Amusement, Gambling, and Recreation Industries Accommodation Food Services and Drinking Places Repair and Maintenance
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nment/Publi	ic Sector		Accommodation and Food S	711 712 713 Services 721 722 ic Administration) 811 812 813	Museums, Historical Sites, and Similar Institutions Amusement, Gambling, and Recreation Industries Accommodation Food Services and Drinking Places Repair and Maintenance Personal and Laundry Services Religious, Grantmaking, Civic, Professional, and Similar Organizations
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rnment/Publi	ic Sector	81	Accommodation and Food S Other Services (except Public	711 712 713 Services 721 722 ic Administration) 811 812 813 814	Museums, Historical Sites, and Similar Institutions Amusement, Gambling, and Recreation Industries Accommodation Food Services and Drinking Places Repair and Maintenance Personal and Laundry Services Religious, Grantmaking, Civic, Professional, and Similar Organizations Private Households
rnment/Publi	ic Sector	81	Accommodation and Food S Other Services (except Public	711 712 713 Services 721 722 ic Administration) 811 812 813 814	Museums, Historical Sites, and Similar Institutions Amusement, Gambling, and Recreation Industries Accommodation Food Services and Drinking Places Repair and Maintenance Personal and Laundry Services Religious, Grantmaking, Civic, Professional, and Similar Organizations Private Households Executive, Legislative, and Other General Government Support
rnment/Publi	ic Sector	81	Accommodation and Food S Other Services (except Public	711 712 713 Services 721 722 ic Administration) 811 812 813 814	Museums, Historical Sites, and Similar Institutions Amusement, Gambling, and Recreation Industries Accommodation Food Services and Drinking Places Repair and Maintenance Personal and Laundry Services Religious, Grantmaking, Civic, Professional, and Similar Organizations Private Households Executive, Legislative, and Other General Government Support Justice, Public Order, and Safety Activities
rnment/Publi	ic Sector	81	Accommodation and Food S Other Services (except Public	711 712 713 Services 721 722 6c Administration) 811 812 813 814	Museums, Historical Sites, and Similar Institutions Amusement, Gambling, and Recreation Industries Accommodation Food Services and Drinking Places Repair and Maintenance Personal and Laundry Services Religious, Grantmaking, Civic, Professional, and Similar Organizations Private Households Executive, Legislative, and Other General Government Support Justice, Public Order, and Safety Activities Administration of Human Resource Programs
rnment/Publi	ic Sector	81	Accommodation and Food S Other Services (except Public	711 712 713 Services 721 722 ic Administration) 811 812 813 814	Museums, Historical Sites, and Similar Institutions Amusement, Gambling, and Recreation Industries Accommodation Food Services and Drinking Places Repair and Maintenance Personal and Laundry Services Religious, Grantmaking, Civic, Professional, and Similar Organizations Private Households Executive, Legislative, and Other General Government Support Justice, Public Order, and Safety Activities Administration of Human Resource Programs Administration of Environmental Quality Programs
rnment/Publi	ic Sector	81	Accommodation and Food S Other Services (except Public	711 712 713 Services 721 722 ic Administration) 811 812 813 814 921 922 923 924 925	Museums, Historical Sites, and Similar Institutions Amusement, Gambling, and Recreation Industries Accommodation Food Services and Drinking Places Repair and Maintenance Personal and Laundry Services Religious, Grantmaking, Civic, Professional, and Similar Organizations Private Households Executive, Legislative, and Other General Government Support Justice, Public Order, and Safety Activities Administration of Human Resource Programs Administration of Environmental Quality Programs Administration of Environmental Quality Programs Administration of Housing Programs, Urban Planning, and Community Development
rnment/Publi	ic Sector	81	Accommodation and Food S Other Services (except Public	711 712 713 Services 721 722 ic Administration) 811 812 813 814	Museums, Historical Sites, and Similar Institutions Amusement, Gambling, and Recreation Industries Accommodation Food Services and Drinking Places Repair and Maintenance Personal and Laundry Services Religious, Grantmaking, Civic, Professional, and Similar Organizations Private Households Executive, Legislative, and Other General Government Support Justice, Public Order, and Safety Activities Administration of Human Resource Programs Administration of Environmental Quality Programs
rnment/Publi	ic Sector	81	Accommodation and Food S Other Services (except Public	711 712 713 Services 721 722 ic Administration) 811 812 813 814 921 922 923 924 925	Museums, Historical Sites, and Similar Institutions Amusement, Gambling, and Recreation Industries Accommodation Food Services and Drinking Places Repair and Maintenance Personal and Laundry Services Religious, Grantmaking, Civic, Professional, and Similar Organizations Private Households Executive, Legislative, and Other General Government Support Justice, Public Order, and Safety Activities Administration of Human Resource Programs Administration of Environmental Quality Programs Administration of Environmental Quality Programs Administration of Housing Programs, Urban Planning, and Community Development

Source:

SCAG 2020 RTP/SCS
California Employment Development Department (EDD)
US Census Bureau, North American Industry Classification System (NAICS), 2022

EXHIBIT B-5b

TUMF Non-Residential Category Detailed NAICS Correspondence
TUMF Category SCAG RTP/SCS NAICS Two Digit Code
Employment Categories NAICS Code NAICS Title NAICS Three Digit Code
NAICS Code NAICS Title NAICS Six Digit Code
NAICS Code NAICS Title Farming, Natural Resources and Mining

11 Agriculture, Forestry, Fishing and Hunling

111 Crop Production 111110 Soybean Farming 111120 Oliseed (except Soybean) Farming 111130 Dry Pea and Bean Farming 111140 Wheat Farming 111150 Corn Farming 111160 Rice Farming | 111331 | Apple Orchards | 111332 | Grape Vineyards | 111332 | Grape Vineyards | 111333 | Strowberry Forming | 111334 | Berry | Forming | 111334 | Berry | Forming | 111335 | Time Nut Forming | 111335 | Time Nut Forming | 111336 | Time Nut Forming | 111330 | Other Nonclins Fiul Forming | 111411 | Nutries and Production | 111412 | Nutries and Time Production | 111412 | Ridicalfure Production | 11142 | Ridicalfure Production | 111910 | Octobro Forming | 111910 | Octobro Forming | 111910 | Hoty Forming | 111910 | Hoty Forming | 111910 | Pogrape Red Forming | 111910 | 112 Animal Production and Aqua 113 Forestry and Logging
 113110
 Timber Tract Operations

 113210
 Forest Nurseries and Gathering of Forest Products

 113310
 Logging
 114 Fishing, Hunting and Trapping 114111 Finfish Fishing 114112 Shellfish Fishing 114119 Other Marine Fishing 114210 Hunting and Trapping 114210 Hunfing and Trapping
14 freestry
115111 Cotton Ginning
115112 Sol Preparation Planting, and Cultivaling
115112 Sol Preparation Planting, and Cultivaling
115113 Crop Harvesting, Primarily by Macchine
115114 Posthavest Crop Activities Revened Cotton Ginning)
115115 Form Labor Contractors and Crew Leaders
115116 Form Management Services
115210 Support Activities for Animal Production
115310 Support Activities for Forestry 115 Support Activities for Agricultu 21 Mining, Quarrying, and Oil and Gas Extraction 211 Oil and Gas Extraction 211120 Crude Petroleum Extraction 211130 Natural Gas Extraction 212 Mining (except Oil and Gas) 212114 Surface Coal Mining
212115 Underground Coal Mining
212115 Underground Coal Mining
212210 Ion Ore Mining
212220 Gold Ore and Silver Ore Mining
212220 Copper. Nickel, Lead, and Zinc Mining
212220 Other Meta Ore Mining 21229 Other Metal Ore Mining
21231 Dimension Stone Mining and Quarrying
212312 Crushed and Broken Limestone Mining and Quarrying
212313 Crushed and Broken Limestone Mining and Quarrying
212319 Other Crushed and Broken Stone Mining and Quarrying
212321 Construction Sand and Gravel Mining
212321 Industrial Sand Mining
212323 Koolin, Clay, and Ceramic and Refractory Minerals Mining
212330 Other Nonmetallic Mineral Mining and Quarrying 213 Support Activities for Mining 213111 Drilling Oil and Gas Wells
213112 Support Activities for Oil and Gas Operations
213113 Support Activities for Coal Mining
213114 Support Activities for Metal Mining
213115 Support Activities for Nonmetallic Minerals (except Fuels) Mining

ategory	SCAG RTP/SCS	NAICS Correspondence NAICS Two Digit Code NAICS Code NAICS Title	NAICS Three Digit Code	NAICS Six Di	
	Construction	NAICS Code NAICS Title	NAICS Code NAICS Tifle	NAICS Code	INANGA IIIRE
		23 Construction	236 Construction of Buildings		
			230 Construction of bolicings	236115	New Single-Family Housing Construction (except For-Sale Builders)
				236116 236117	New Multifamily Housing Construction (except For-Sale Builders) New Housing For-Sale Builders
				236117	Residential Remodelers
				236210	Industrial Building Construction
			237 Heavy and Civil Engineering C	236220 Construction	Commercial and Institutional Building Construction
				237110	Water and Sewer Line and Related Structures Construction
				237120 237130	Oil and Gas Pipeline and Related Structures Construction Power and Communication Line and Related Structures Construction
				237210	Land Subdivision
				237310	Highway, Street, and Bridge Construction
			238 Specialty Trade Contractors	237990	Other Heavy and Civil Engineering Construction
				238110	Poured Concrete Foundation and Structure Contractors
				238120 238130	Structural Steel and Precast Concrete Confractors Framing Confractors
				238140	Masonry Contractors
				238150	Glass and Glazing Contractors
				238160 238170	Roofing Contractors Siding Contractors
				238190	Other Foundation, Structure, and Building Exterior Contractors
				238210	Electrical Contractors and Other Wiring Installation Contractors Plumbing, Heating, and Air-Conditioning Contractors
				238290	Other Building Equipment Contractors
				238310	Drywall and Insulation Contractors
				238320 238330	Painting and Wall Covering Contractors Flooring Contractors
				238340	Tile and Terrazzo Contractors
				238350 238390	Finish Carpentry Contractors Other Building Finishing Contractors
				238910	Other Building Finishing Contractors Site Preparation Contractors
	Manufacture 1			238990	All Other Specialty Trade Contractors
ŀ	Manufacturing	31-33 Manufacturing			
			311 Food Manufacturing		
				311111	Dog and Cat Food Manufacturing Other Asimal Food Manufacturing
				311211	Other Animal Food Manufacturing Flour Milling
				311212	Rice Milling
				311213 311221	Malt Manufacturing Wet Corn Milling and Starch Manufacturing
				311224	Soybean and Other Oilseed Processing
				311225	Fats and Oils Refining and Blending
				311230 311313	Breakfast Cereal Manufacturing Beet Sugar Manufacturina
				311314	Cane Sugar Manufacturing
				311340 311351	Nonchocolate Confectionery Manufacturing Chocolate and Confectionery Manufacturing from Cacao Beans
				311352	Confectionery Manufacturing from Purchased Chocolate
				311411	Frozen Fruit, Juice, and Vegetable Manufacturing
				311412 311421	Frazen Specialty Food Manufacturing Fruit and Vegetable Canning
				311422	Specialty Canning
				311423	Dried and Dehydrated Food Manufacturing
				311511 311512	Fluid Milk Manufacturing Creamery Butter Manufacturing
				311513	Cheese Manufacturing
				311514 311520	Dry, Condensed, and Evaporated Dairy Product Manufacturing Ice Cream and Frozen Dessert Manufacturing
				311611	Animal (except Poultry) Slaughtering
				311612	Meat Processed from Carcasses
				311613 311615	Rendering and Meat Byproduct Processing Poultry Processing
				311710	Seafood Product Preparation and Packaging
				311811 311812	Retail Bakeries
				311813	Commercial Bakeries Frozen Cakes, Pies, and Other Pastries Manufacturing
				311821	Cookie and Cracker Manufacturing
				311824 311830	Dry Pasta, Dough, and Flour Mixes Manufacturing from Purchased Flour Tortilla Manufacturing
				311911	Roasted Nuts and Peanut Butter Manufacturing
				311919	Other Snack Food Manufacturing
				311920 311930	Coffee and Tea Manufacturing Flavoring Syrup and Concentrate Manufacturing
				311941	Mayonnaise, Dressing, and Other Prepared Sauce Manufacturing
				311942 311991	Spice and Extract Manufacturing Perishable Prepared Food Manufacturing
				311999	All Other Miscellaneous Food Manufacturing
			312 Beverage and Tobacco Produ		
				312111 312112	Soft Drink Manufacturing Bottled Water Manufacturing
				312113	Ice Manufacturing
				312120	Breweries Wiladian
				312130 312140	Wineries Distilleries
				312230	Tobacco Manufacturing
			313 Textile Mills	313110	Fiber, Yarn, and Thread Mills
				313210	Broadwoven Fabric Mills
				313220	Narrow Fabric Mills and Schiffli Machine Embroidery
				313230 313240	Nonwoven Fabric Mills Knit Fabric Mills
				313310	Textile and Fabric Finishing Mills
					Fabric Coating Mills
			314 Textile Product Mills	314110	Carpet and Rug Mills
				314120	Curtain and Linen Mills
				314910	Textile Bag and Canvas Mills
				314994 314999	Rope, Cordage, Twine, Tire Cord, and Tire Fabric Mills All Other Miscellaneous Textile Product Mills
			315 Apparel Manufacturing	314779	All of the Miscellating in textile Flodoct Mills
				315120	Apparel Knitting Mills
				315210 315250	Cut and Sew Apparel Contractors Cut and Sew Apparel Manufacturing (except Contractors)
		1	1		Apparel Accessories and Other Apparel Manufacturing
				315990	
			316 Leather and Allied Product Mo	anufacturing	
			316 Leather and Allied Product Mo	315990 anufacturing 316110 316210	Earther and Hide Tanning and Finishing

Section of the control of the contro		ntial Category Detailed	NAICS Correspondence				
10	TUMF Category	SCAG RTP/SCS Employment Categories	NAICS Two Digit Code NAICS Code NAICS Title				
Comment Comm		Linployment Calegories	HAICS CODE HAICS IIIIE			INAIC3 COUE	INACCS TIME
Column							Sawmills
1973 School Control Contro							
1.0 1.0							
Section Committee Commit							
132 Press Manufactures 132 Press Manufactures 133 Press Manufactures 134 Press Manufactures 134 Press Manufactures 135 Press Manufac						321219	Reconstituted Wood Product Manufacturing
Section Common and							
19 19 19 19 19 19 19 19							Other Millwork (including Flooring)
330 Prest Mancheching 331 Prest Mancheching 332 Prest Mancheching 333 Prest Mancheching 333 Prest Mancheching 334 Prest Mancheching 335 Prest Mancheching 336 Prest Mancheching 337 Prest Mancheching 338 Prest Mancheching 339 Prest Mancheching 330 Prest Mancheching 331 Prest Mancheching 332 Prest Mancheching 333 Prest Mancheching 334 Prest Mancheching 335 Prest Mancheching 336 Prest Mancheching 337 Prest Mancheching 338 Prest Mancheching 339 Prest Mancheching 330 Prest Mancheching 330 Prest Mancheching 330 Prest Mancheching 331 Prest Mancheching 332 Prest Mancheching 333 Prest Mancheching 334 Prest Mancheching 335 Prest Mancheching 336 Prest Mancheching 337 Prest Mancheching 338 Prest Mancheching 339 Prest Mancheching 330 Prest Mancheching 330 Prest Mancheching 330 Prest Mancheching 331 Prest Mancheching 332 Prest Mancheching 333 Prest Mancheching 334 Prest Mancheching 335 Prest Mancheching 335 Prest Mancheching 336 Prest Mancheching 337 Prest Mancheching 338 Prest Mancheching 339 Prest Mancheching 330 Prest Mancheching 331 Prest Mancheching 332 Prest Mancheching 333 Prest Mancheching 334 Prest Mancheching 335 Prest Mancheching 336 Prest Mancheching 337 Prest Mancheching 338 Prest Mancheching 339 Prest Mancheching 330 Prest Mancheching 331 Prest Mancheching 332 Prest Mancheching 333 Prest Mancheching 334 Prest Mancheching 335 Prest Mancheching 345 Prest Mancheching							
Section Process International Content Process							
Sign Protect According to the Community of the Community							
1971				322	Paper Manufacturing	321777	All Office Miscellaneous Wood Floader Marioracioning
Description of the Common Control of the C						322110	Pulp Mills
Section Compared and section for the compared of the compa							
Total of Properties of Section (Control of S							
Table Section County of the Product Name County of the Product Nam						322212	Folding Paperboard Box Manufacturing
### Annual Process of Support Activity Support Activity (Support Activity Support Activity Support Activity Support Activity (Support Activity Support Support Activity Support Su							
Section Sect						322220	Paper Bag and Coated and Ireated Paper Manufacturing Stationery Product Manufacturing
### Prefet on A Facility & Septiment Control Prefet Septiment Prefet Septiment Control Prefet Se							
Section Commenced Printing Section Comm							All Other Converted Paper Product Manufacturing
Section Commercial				323	Printing and Related Support Act		Commercial Printing (except Screen and Books)
330 Periodes and Cod Product Monthschallers 341 Periodes and Cod Product Monthschallers 341 Periodes and Cod Product Monthschallers 342 Clarentical Monthschallers 343 Periodes and Cod Product Monthschallers 344 Periodes and Cod Product Monthschallers 345 Periodes						323113	Commercial Screen Printing
Section and Cook Products Management						323117	Books Printing
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237 Chemical Moundeclaring 238 Chemical Moundeclaring 239 Industrial Control Mechanisms and Control Product American Management 230 Industrial Control Moundeclaring 230 Industrial						324122	Asphalt Shingle and Coating Materials Manufacturing
2011 Personal Monafecturing 2012 Personal Monafecturing 2012 Personal Monafecturing 2013 Personal Monafecturing 2014 Personal							Petroleum Lubricating Oil and Grease Manufacturing All Other Patroleum and Coal Products Manufacturing
2011 Professional instruction description of the professional instruction of the professional				325	Chemical Manufacturina	324177	An other remoissing and Codi riodocis Manufactoring
320.10. In Interface Date on Figures Manufacturing 320.10. Interface Date on Figures Manufacturing 320.10. Interface Date of Figures Manufacturing 320.10. Cycle Code, Intermediate, and on an Wood Chemical Manufacturing 320.10. Cycle Code, Intermediate, and on an Wood Chemical Manufacturing 320.10. Symbol Basic Manufacturing 320.1						325110	Petrochemical Manufacturing
2019 College Colle							
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326 10 Lominoted Plastics Picts, Seet (except Packaging), and Shape Manufacturing 326 10 Urethane and Other Foom Product (Manufacturing) 326 10 Urethane and Other Foom Product (except Palystyrene) Manufacturing 326 10 Plastics Bottle Manufacturing 326 19 Plastics Bottle Manufacturing 326 19 Plastics Bottle Manufacturing 326 19 Plastics Bottle Manufacturing 326 11 Tire Manufacturing (except Retreading) 326 21 Tire Manufacturing (except Retreading) 326 21 Tire Manufacturing (except Retreading) 326 21 Tire Manufacturing (except Retreading) 326 22 Rubber road Plastics Hoses and Belling Manufacturing 326 22 Rubber Product Manufacturing for Mechanical titse 326 22 Rubber Product Manufacturing (except Retreading) 327 Nonmetallic Mineral Product Manufacturing and Plastics the Manufacturing 328 10 Plastics Product Manufacturing 329 All Other Rubber Product Manufacturing 329 All Other Concrete Rubber Manufacturing 329 All Other Rubber Product Manufacturing 329 All Other Rubber Product Manufacturing 329 All Other Rubber Product Manufacturing							
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32619 Plastics Pumbing Fature Manufacturing 326191 Plastics Pumbing Fature Manufacturing 326191 Plastics Pumbing Fature Manufacturing 326191 Plastics Pumbing Fature Manufacturing 326211 Tire Refreading 326211 Tire Refreading 326221 Tire Refreading 326220 Rubber and Plastics Hoses and Belting Manufacturing 326220 Rubber And Plastics Hoses and Belting Manufacturing 326239 Rubber Product Manufacturing Manufacturing 326239 Rubber Product Manufacturing Manufacturing 326239 Rubber Product Manufacturing 327100 Ciay Bulding Malerial and Refractories Manufacturing 327110 Ciay Bulding Malerial and Refractories Manufacturing 327211 Giass Producturing 327211 Giass Producturing 327213 Giass Container Manufacturing 327213 Giass Product Manufacturing 327213 Giass Product Manufacturing 327213 Giass Product Manufacturing 327233 Ready-Mix Concrete Manufacturing 327333 Concrete Refractories Manufacturing 327420 Gyapum Product Manufacturing 327420 Gy						326140	Polystyrene Foam Product Manufacturing
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327 Nonmetallic Mineral Product Manufacturing 327 I Nonmetallic Mineral Product Manufacturing 327 I I Pottery, Ceramics, and Plumbing Fixture Manufacturing 327 I I Pottery, Ceramics, and Plumbing Fixture Manufacturing 327 I Pottery, Ceramics, and Plumbing Fixture Manufacturing 327 I Ref Class Manufacturing Manufacturing Male of Purchased Glass 327 I Ref Class Product Manufacturing Male of Purchased Glass 327 I Ceramet Manufacturing 327 I Ceramet Manufacturing 327 Concrete Biock and Biock Manufacturing 327 Concrete Biock and Biock Manufacturing 327 I Ref Concrete Product Manufacturing 327 I I I Ime Manufacturing 327 I I I Ime Manufacturing 327 I I I Ime Manufacturing 327 I A Paralve Product Manufacturing 327 I A Paralve Product Manufacturing 327 I I I I I I I I I I I I I I I I I I I						326291	Rubber Product Manufacturing for Mechanical Use
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327993 Mineral Wool Manufacturing						327991	Cut Stone and Stone Product Manufacturing Ground or Treated Mineral and Earth Manufacturing
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MF Category	SCAG RTP/SCS	NAICS Correspondence NAICS Two Digit Code	NAICS Three	Digit Code	NAICS Six Dig	
culegoly	Employment Categories	NAICS Code NAICS Title	NAICS Code	NAICS Title	NAICS Code	
			331	Primary Metal Manufacturing	331110	Iron and Steel Mills and Ferroalloy Manufacturing
					331210	Iron and Steel Pipe and Tube Manufacturing from Purchased Steel
					331221 331222	Rolled Steel Shape Manufacturing Steel Wire Drawing
					331313	Alumina Refining and Primary Aluminum Production
					331314 331315	Secondary Smelting and Alloying of Aluminum Aluminum Sheet, Plate, and Foll Manufacturing
					331318	Other Aluminum Rolling, Drawing, and Extruding
					331410	Nonferrous Metal (except Aluminum) Smelting and Refining
					331420 331491	Copper Rolling, Drawing, Extruding, and Alloying Nonferrous Metal (except Copper and Aluminum) Rolling, Drawing, and Extruding
					331492	Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)
					331511	Iron Foundries
					331512 331513	Steel Investment Foundries Steel Foundries (except Investment)
					331523	Nonferrous Metal Die-Casting Foundries
					331524 331529	Aluminum Foundries (except Die-Casting) Other Nonferrous Metal Foundries (except Die-Casting)
			332	Fabricated Metal Product Manuf		
					332111	Iron and Steel Forging
					332112 332114	Nonferrous Forging Custom Roll Forming
					332117	Powder Metallurgy Part Manufacturing
						Metal Crown, Closure, and Other Metal Stamping (except Automotive)
					332215 332216	Metal Kitchen Cookware, Utensil, Cutlery, and Flatware (except Precious) Manufacturing Saw Blade and Handtool Manufacturing
					332311	Prefabricated Metal Building and Component Manufacturing
					332312	Fabricated Structural Metal Manufacturing
					332313 332321	Plate Work Manufacturing Metal Window and Door Manufacturing
					332322	Sheet Metal Work Manufacturing
					332323	Ornamental and Architectural Metal Work Manufacturing
					332410 332420	Power Boiler and Heat Exchanger Manufacturing Metal Tank (Heavy Gauge) Manufacturing
					332431	Metal Can Manufacturing
					332439 332510	Other Metal Container Manufacturing Hardware Manufacturing
					332613	Spring Manufacturing
					332618	Other Fabricated Wire Product Manufacturing
					332710 332721	Machine Shops Precision Turned Product Manufacturina
					332722	Bolt, Nut, Screw, Rivet, and Washer Manufacturing
					332811	Metal Heat Treating
					332812 332813	Metal Coaling, Engraving (except Jewelry and Silverware), and Allied Services to Manufacturers Electroplating, Plating, Polishing, Anodizing, and Coloring
					332911	Industrial Valve Manufacturing
					332912	Fluid Power Valve and Hose Fitting Manufacturing
					332913 332919	Plumbing Fixture Fitting and Trim Manufacturing Other Metal Valve and Pipe Fitting Manufacturing
					332991	Ball and Roller Bearing Manufacturing
					332992 332993	Small Arms Ammunition Manufacturing Ammunition (except Small Arms) Manufacturing
					332994	Small Arms, Ordnance, and Ordnance Accessories Manufacturing
					332996	Fabricated Pipe and Pipe Fitting Manufacturing
			333	Machinery Manufacturing	332999	All Other Miscellaneous Fabricated Metal Product Manufacturing
				macrimery manoracroning	333111	Farm Machinery and Equipment Manufacturing
					333112 333120	Lawn and Garden Tractor and Home Lawn and Garden Equipment Manufacturing
					333131	Construction Machinery Manufacturing Mining Machinery and Equipment Manufacturing
					333132	Oil and Gas Field Machinery and Equipment Manufacturing
					333241 333242	Food Product Machinery Manufacturing Semiconductor Machinery Manufacturing
					333243	Sawmill, Woodworking, and Paper Machinery Manufacturing
					333248	All Other Industrial Machinery Manufacturing
					333310 333413	Commercial and Service Industry Machinery Manufacturing Industrial and Commercial Fan and Blower and Air Purification Equipment Manufacturing
					333414	Heating Equipment (except Warm Air Furnaces) Manufacturing
					333415 333511	Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manuary
					333514	Industrial Mold Manufacturing Special Die and Tool, Die Set, Jig, and Fixture Manufacturing
					333515	Cutting Tool and Machine Tool Accessory Manufacturing
					333517	Machine Tool Manufacturing Polling Mill and Other Matchworking Machinen Manufacturing
					333519 333611	Rolling Mill and Other Metalworking Machinery Manufacturing Turbine and Turbine Generator Set Units Manufacturing
					333612	Speed Changer, Industrial High-Speed Drive, and Gear Manufacturing
					333613 333618	Mechanical Power Transmission Equipment Manufacturing Other Engine Equipment Manufacturing
					333912	Air and Gas Compressor Manufacturing
					333914	Measuring, Dispensing, and Other Pumping Equipment Manufacturing
					333921 333922	Elevator and Moving Stairway Manufacturing Conveyor and Conveying Equipment Manufacturing
					333923	Overhead Traveling Crane, Hoist, and Monorail System Manufacturing
					333924	Industrial Truck, Tractor, Trailer, and Stacker Machinery Manufacturing
					333991	Power-Driven Handtool Manufacturing Welding and Soldering Equipment Manufacturing
					333993	Packaging Machinery Manufacturing
					333994	Industrial Process Furnace and Oven Manufacturing
					333995 333996	Fluid Power Cylinder and Actuator Manufacturing Fluid Power Pump and Motor Manufacturing
					333998	All Other Miscellaneous General Purpose Machinery Manufacturing
			334	Computer and Electronic Produc	t Manufacturing	
					334111	Computer Storage Device Manufacturing
					334118	Computer Terminal and Other Computer Peripheral Equipment Manufacturing
					334210 334220	Telephone Apparatus Manufacturing Pedia and Talavisian Broadcasting and Wiseless Communications Equipment Manufacturing
					334220 334290	Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing Other Communications Equipment Manufacturing
					334310	Audio and Video Equipment Manufacturing
					334412 334413	Bare Printed Circuit Board Manufacturing Semiconductor and Related Device Manufacturing
					334413	Semiconductor and Related Device Manufacturing Capacitor, Resistor, Coil, Transformer, and Other Inductor Manufacturing
					334417	Electronic Connector Manufacturing
					334418	Printed Circuit Assembly (Electronic Assembly) Manufacturing
					334419 334510	Other Electronic Component Manufacturing Electromedical and Electrotherapeutic Apparatus Manufacturing
	1				334511	Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing
			1		334512	Automatic Environmental Control Manufacturing for Residential, Commercial, and Appliance Use
					00.1510	
					334513 334514	Totalizing Fluid Meter and Counting Device Manufacturing for Measuring, Displaying, and Controlling Industrial Process var
					334514 334515	Totalizing Fluid Meter and Counting Device Manufacturing Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals
					334514 334515 334516	Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals Analytical Laboratory Instrument Manufacturing
					334514 334515	Totalizing Fluid Meter and Counting Device Manufacturing Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals

IF Category	SCAG RTP/SCS NAICS Two Digit Code	NAICS Three Digit Code NAICS Code NAICS Title	NAICS Six Digit Code NAICS Code NAICS Title
	Indiana Indi		ppliance, and Component Manufacturing
			335131 Residential Electric Lighting Fixture Manufacturing
			335132 Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing 335139 Electric Lamp Bulb and Other Lighting Equipment Manufacturing
			335210 Small Electrical Appliance Manufacturing
			335220 Major Household Appliance Manufacturing 335311 Power, Distribution, and Specialty Transformer Manufacturing
			335311 Power, Distribution, and Specialty Transformer Manufacturing 335312 Motor and Generator Manufacturing
			335313 Switchgear and Switchboard Apparatus Manufacturing
			335314 Relay and Industrial Control Manufacturing 335910 Battery Manufacturing
			335921 Fiber Optic Cable Manufacturing
			335929 Other Communication and Energy Wire Manufacturing
			335931 Current-Carrying Wiring Device Manufacturing 335932 Noncurrent-Carrying Wiring Device Manufacturing
			335932 Noncurrent-Carrying Wiring Device Manufacturing 335991 Carbon and Graphile Product Manufacturing
			335999 All Other Miscellaneous Electrical Equipment and Component Manufacturing
		336 Transportation Equipme	Int Manufacturing 336110 Automobile and Light Duty Motor Vehicle Manufacturing
			336120 Heavy Duty Truck Manufacturing
			336211 Motor Vehicle Body Manufacturing
			336212 Truck Trailer Manufacturing 336213 Motor Home Manufacturing
			334214 Travel Trailer and Camper Manufacturing
			336310 Motor Vehicle Gasoline Engine and Engine Parts Manufacturing
			336320 Motor Vehicle Electrical and Electronic Equipment Manufacturing 336330 Motor Vehicle Steering and Suspension Components (except Spring) Manufacturing
			336340 Motor Vehicle Brake System Manufacturing
			336350 Motor Vehicle Transmission and Power Train Parts Manufacturing
			336360 Motor Vehicle Seating and Interior Trim Manufacturing
			336370 Motor Vehicle Metal Stamping 336390 Other Motor Vehicle Parts Manufacturing
			336411 Aircraft Manufacturing
			336412 Aircraft Engine and Engine Parts Manufacturing
			336413 Other Aircraft Parts and Auxiliary Equipment Manufacturing 336414 Guided Missile and Space Vehicle Manufacturing
			336415 Guided Missile and Space Vehicle Propulsion Unit and Propulsion Unit Parts Manufacturing
			336419 Other Guided Missile and Space Vehicle Parts and Auxiliary Equipment Manufacturing
			336510 Railroad Rolling Stock Manufacturing 336611 Ship Building and Repairing
			336611 Ship Building and Repairing 336612 Boat Building
			336991 Motorcycle, Bicycle, and Parts Manufacturing
			336992 Military Armored Vehicle, Tank, and Tank Component Manufacturing 336999 All Other Transportation Equipment Manufacturing
		337 Furniture and Related P	
			337110 Wood Kitchen Cabinet and Countertop Manufacturing
			337121 Upholstered Household Furniture Manufacturing
			337122 Nonupholstered Wood Household Furniture Manufacturing 337126 Household Furniture (except Wood and Upholstered) Manufacturing
			337127 Institutional Furniture Manufacturing
			337211 Wood Office Furniture Manufacturing
			337212 Custom Architectural Woodwork and Millwork Manufacturing 337214 Office Furniture (except Wood) Manufacturing
			337215 Showcase, Partition, Shelving, and Locker Manufacturing
			337910 Mattress Manufacturing
		339 Miscellaneous Manufa	337920 Blind and Shade Manufacturing
		337 Miscellalieous Mariora	339112 Surgical and Medical Instrument Manufacturing
			339113 Surgical Appliance and Supplies Manufacturing
			339114 Dental Equipment and Supplies Manufacturing 339115 Ophthalmic Goods Manufacturing
			339116 Dental Laboratories
			339910 Jewelry and Silverware Manufacturing
			339920 Sporting and Athletic Goods Manufacturing 339930 Doll, Toy, and Game Manufacturing
			339940 Office Supplies (except Paper) Manufacturing
			339950 Sign Manufacturing
			339991 Gasket, Packing, and Sealing Device Manufacturing 339992 Musical Instrument Manufacturing
			339993 Fastener, Button, Needle, and Pin Manufacturing
			339994 Broom, Brush, and Mop Manufacturing
			339995 Burial Casket Manufacturing
	Wholesale Trade		339999 All Other Miscellaneous Manufacturing
	42 Wholesale Trade		
		423 Merchant Wholesalers,	
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			423120 Motor Vehicle Supplies and New Parts Merchant Wholesalers 423130 Tire and Tube Merchant Wholesalers 423140 Motor Vehicle Parts (Used) Merchant Wholesalers
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			423120 Motor Vehicle Supplies and New Parts Merchant Wholesalers 423130 Tire and Tube Merchant Wholesalers 423140 Motor Vehicle Parts (Used) Merchant Wholesalers 423210 Furniture Merchant Wholesalers 423220 Home Furnishing Merchant Wholesalers 423220 Home Furnishing Merchant Wholesalers 423330 Brick, Stone, and Related Construction Meterial Merchant Wholesalers 423330 Brick, Stone, and Related Construction Meterial Merchant Wholesalers 423330 Office Construction Medical Merchant Wholesalers 423330 Office Construction Medical Merchant Wholesalers 423410 Photographic Equipment and Supplies Merchant Wholesalers 42340 Office Equipment Merchant Wholesalers
			423 120 Motor Vehicle Supplies and New Parts Merchant Wholesclers 423 130 Tire and Tube Merchant Wholesclers 423 140 Motor Vehicle Parts (Used) Merchant Wholesclers 423 120 Furniture Merchant Wholesclers 423 120 Computer Merchant Wholesclers
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			423120 Motor Vehicle Supplies and New Parts Merchant Wholesalers 423130 Tire and Tube Merchant Wholesalers 423140 Motor Vehicle Parts (Lised) Merchant Wholesalers 42310 Femilium Merchant Wholesalers 42320 Femilium Merchant Wholesalers 42320 Limber, Plywood, Milwork, and Wood Ponel Merchant Wholesalers 42330 Temper Plywood, Milwork, and Wood Ponel Merchant Wholesalers 423330 Rolling, Stding, and Insulation Material Merchant Wholesalers 423330 Rolling, Stding, and Insulation Material Merchant Wholesalers 42330 Other Construction Material Merchant Wholesalers 423410 Photographic Equipment and Supplies Merchant Wholesalers 42340 Othice Equipment Merchant Wholesalers 423430 Computer and Computer Peripheral Equipment and Software Merchant Wholesalers 42340 Other Commercial Equipment Merchant Wholesalers 42340 Other Commercial Equipment Merchant Wholesalers 423450 Medical, Dental, and Hospital Equipment and Supplies Merchant Wholesalers 423450 Ophthadinic Goods Merchant Wholesalers
			423120 Motor Vehicle Supplies and New Parts Merchant Wholesolers 423130 Tire and Tube Merchant Wholesolers 423140 Motor Vehicle Parts (Used) Merchant Wholesolers 423200 Furniture Merchant Wholesolers 423220 Home Furnishing Merchant Wholesolers 423220 Home Furnishing Merchant Wholesolers 423320 Bick, Stone, and Related Construction Material Merchant Wholesolers 423320 Rick, Stone, and Related Construction Material Merchant Wholesolers 423330 Roofing, Siding, and Insulation Material Merchant Wholesolers 423390 Other Construction Material Merchant Wholesolers 423400 Office Equipment Merchant Wholesolers 423400 Computer and Computer Peripheral Equipment and Software Merchant Wholesolers 423440 Computer and Computer Peripheral Equipment and Software Merchant Wholesolers 423440 Medical, Dental, and Mospial Equipment and Supplies Merchant Wholesolers 423440 Medical, Dental, and Mospial Equipment and Supplies Merchant Wholesolers 423440 Ophthalmic Goods Merchant Wholesolers 423440 Ophthalmic Goods Merchant Wholesolers 423440 Other Professional Equipment and Supplies Merchant Wholesolers
			423120 Motor Vehicle Supplies and New Parts Merchant Wholesolers 423130 Tire and Tube Merchant Wholesolers 423140 Motor Vehicle Parts (Used) Merchant Wholesolers 423120 Furniture Merchant Wholesolers 423220 Home Furnishing Merchant Wholesolers 423220 Home Furnishing Merchant Wholesolers 423230 Robing, Sidney, and Wood Panel Merchant Wholesolers 423320 Robing, Sidney, and Insulation Melerial Merchant Wholesolers 423320 Robing, Sidney, and Insulation Melerial Merchant Wholesolers 423390 Other Construction Melerial Merchant Wholesolers 423490 Office Equipment Merchant Wholesolers 423490 Office Equipment Merchant Wholesolers 423490 Medical Construction Melerial Merchant Wholesolers 423490 Office Equipment Merchant Wholesolers 423490 Office Statement Merchant Wholesolers 423490 Office Statement Merchant Wholesolers 423490 Office Statement Merchant Wholesolers 423490 Office Furnishing Merchant Wholesolers 423490 Office Furnishing Merchant Wholesolers 423490 Office Furnishing Coods Merchant Wholesolers
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			423120 Motor Vehicle Supplies and New Parts Merchant Wholesolers 423130 Tire and Tube Merchant Wholesolers 423140 Motor Vehicle Parts (Used) Merchant Wholesolers 423200 Furniture Merchant Wholesolers 423220 Home Furnishing Merchant Wholesolers 423230 Roofing, Phywood, Milwork, and Wood Panel Merchant Wholesolers 423330 Roofing, Siding, and Insulation Material Merchant Wholesolers 423330 Roofing, Siding, and Insulation Material Merchant Wholesolers 423390 Other Construction Material Merchant Wholesolers 423400 Office Faultiment and Supplies Merchant Wholesolers 423400 Office Squipment Merchant Wholesolers 423400 Computer and Computer Peripheral Equipment and Software Merchant Wholesolers 423440 Office Faultiment Merchant Wholesolers 423440 Medical, Dentol, and Hospial Equipment and Supplies Merchant Wholesolers 423460 Medical, Dentol, and Hospial Equipment and Supplies Merchant Wholesolers 423460 Medical, Dentol, and Hospial Equipment and Supplies Merchant Wholesolers 423460 Medical Office Foreissional Equipment and Supplies Merchant Wholesolers 423460 Office Professional Equipment and Supplies Merchant Wholesolers 423510 Medical Office Applications, Bettin Hospials, and Related Equipment Merchant Wholesolers 423610 Electrical Applications Bettin Hospials, and Related Equipment Merchant Wholesolers 423610 Electrical Applications Bettin Hospials, and Related Equipment Merchant Wholesolers 423610 Electrical Applications Bettin Hospials, and Related Equipment Merchant Wholesolers
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			423120 Motor Vehicle Supplies and New Parts Merchant Wholesolers 423130 Tire and Tube Merchant Wholesolers 423140 Motor Vehicle Parts (Used) Merchant Wholesolers 423220 Furniture Merchant Wholesolers 423220 Home Furnishing Merchant Wholesolers 423220 Home Furnishing Merchant Wholesolers 423320 Bick. Stone, and Related Construction Material Merchant Wholesolers 423330 Roofing, Siding, and Insulation Material Merchant Wholesolers 423330 Roofing, Siding, and Insulation Material Merchant Wholesolers 423390 Other Construction Material Merchant Wholesolers 423400 Photographic Equipment and Supplies Merchant Wholesolers 423400 Office Equipment Merchant Wholesolers 423440 Office Equipment Merchant Wholesolers 423440 Computer and Computer Peripheral Equipment and Supplies Merchant Wholesolers 423440 Medical, Dental, and Hospial Equipment and Supplies Merchant Wholesolers 423460 Medical, Dental, and Hospial Equipment and Supplies Merchant Wholesolers 423460 Medical Dental, and Hospial Equipment and Supplies Merchant Wholesolers 423460 Other Professional Equipment and Supplies Merchant Wholesolers 423460 Other Professional Equipment and Supplies Merchant Wholesolers 423510 Medical Ofther Miretal and Other Miretal Wholesolers 423510 Educated Appliances, Beatife Houseward Wholesolers 423510 Cool and Other Miretal and Other Miretal Equipment Holesolers 423510 Other Electrical Paparatus and Equipment, Wiring Supplies, and Related Equipment Merchant Wholesolers 423590 Other Electrical Paparatus and Equipment, Wiring Supplies, and Related Equipment Merchant Wholesolers 423590 Other Electrical Paparatus and Equipment Merchant Wholesolers 423510 Household Appliances, Electric Housewards, and Consumer Electronics Merchant Wholesolers 423510 Household Appliances, Electric Housewards, and Consumer Electronics Merchant Wholesolers
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			423120 Motor Vehicle Supplies and New Parts Merchant Wholesolers 423130 Tire and Tube Merchant Wholesolers 423140 Motor Vehicle Parts (Used) Merchant Wholesolers 423220 Furniture Merchant Wholesolers 423220 Home Furnishing Merchant Wholesolers 423220 Home Furnishing Merchant Wholesolers 423220 Home Furnishing Merchant Wholesolers 423320 Roofing, Siding, and Insulation Auderial Merchant Wholesolers 423320 Roofing, Siding, and Insulation Maderial Merchant Wholesolers 423330 Roofing, Siding, and Insulation Maderial Merchant Wholesolers 423390 Other Construction Material Merchant Wholesolers 423420 Office Equipment Merchant Wholesolers 423420 Office Equipment Merchant Wholesolers 423420 Computer on Computer Patigheral Equipment and Software Merchant Wholesolers 423440 Office Commercial Equipment Merchant Wholesolers 423440 Office Office Software Merchant Wholesolers 423440 Medical, Dential, and Hospilal Equipment and Supplies Merchant Wholesolers 423450 Medical, Dential, and Hospilal Equipment and Supplies Merchant Wholesolers 423450 Medical, Dential, and Hospilal Equipment and Supplies Merchant Wholesolers 423450 Medical, Dential, and Hospilal Equipment Merchant Wholesolers 423450 Medical Conformation of the Merchant Wholesolers 423450 Medical Conformation of the Merchant Wholesolers 42350 Medical Software Centrics and Other Medical Merchant Wholesolers 42350 Medical Apparatus and Equipment Merchant Wholesolers 42360 Hospital Apparatus and Equipment Merchant Wholesolers 42360 Hospital Apparatus and Equipment Merchant Wholesolers 423710 Hordware Merchant Wholesolers 423730 Merchant Wholesolers 423730 Merchant Wholesolers 423730 Merchant Wholesolers 423730 Merchant Wholesolers
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			424	Merchant Wholesalers, Nondura		Printing and Writing Paper Merchant Wholesalers
					424120	Stationery and Office Supplies Merchant Wholesalers
					424130 424210	Industrial and Personal Service Paper Merchant Wholesalers Drugs and Druggists' Sundries Merchant Wholesalers
					424210	Piece Goods, Notions, and Other Dry Goods Merchant Wholesalers
					424340 424350	Footwear Merchant Wholesalers Clothing and Clothing Accessories Merchant Wholesalers
					424410	General Line Grocery Merchant Wholesalers
					424420 424430	Packaged Frozen Food Merchant Wholesalers Dairy Product (except Dried or Canned) Merchant Wholesalers
					424440	Poultry and Poultry Product Merchant Wholesalers
					424450 424460	Confectionery Merchant Wholesalers Fish and Seafood Merchant Wholesalers
					424470	Meat and Meat Product Merchant Wholesalers
					424480 424490	Fresh Fruit and Vegetable Merchant Wholesalers Other Grocery and Related Products Merchant Wholesalers
					424510	Grain and Field Bean Merchant Wholesalers
					424520 424590	Livestock Merchant Wholesalers Other Farm Product Raw Material Merchant Wholesalers
					424570	Plastics Materials and Basic Forms and Shapes Merchant Wholesalers
					424690	Other Chemical and Allied Products Merchant Wholesalers
					424710 424720	Petroleum Bulk Stations and Terminals Petroleum and Petroleum Products Merchant Wholesalers (except Bulk Stations and Terminals)
					424810 424820	Beer and Ale Merchant Wholesalers
					424620	Wine and Distilled Alcoholic Beverage Merchant Wholesalers Farm Supplies Merchant Wholesalers
					424920 424930	Book, Periodical, and Newspaper Merchant Wholesalers
					424730	Flower, Nursery Stock, and Florists' Supplies Merchant Wholesalers Tobacco Product and Electronic Cigarette Merchant Wholesalers
					424950	Paint, Varnish, and Supplies Merchant Wholesalers
			425	Wholesale Trade Agents and Bro	424990 okers	Other Miscellaneous Nondurable Goods Merchant Wholesalers
l-				-	425120	Wholesale Trade Agents and Brokers
T	ransportation, Warehous	ing and Utilities 22 Utilities				
			221	Utilities		It when the Mar Down Consensation
					221111	Hydroelectric Power Generation Fossil Fuel Electric Power Generation
					221113	Nuclear Electric Power Generation
					221114	Solar Electric Power Generation Wind Electric Power Generation
					221116	Geothermal Electric Power Generation
					221117 221118	Biomass Electric Power Generation Other Electric Power Generation
					221121	Electric Bulk Power Transmission and Control
					221122 221210	Electric Power Distribution Natural Gas Distribution
					221310	Water Supply and Irrigation Systems
					221320 221330	Sewage Treatment Facilities Steam and Air-Conditioning Supply
		48-49 Transportation and Warehousing				
			481	Air Transportation	481111	Scheduled Passenger Air Transportation
					481112	Scheduled Freight Air Transportation
					481211 481212	Nonscheduled Chartered Passenger Air Transportation Nonscheduled Chartered Freight Air Transportation
			482	Rail Transportation	481219	Other Nonscheduled Air Transportation
			482	kali iransportation	482111	Line-Haul Railroads
			483	Water Transportation	482112	Short Line Railroads
			403	Haler Italispoliation	483111	Deep Sea Freight Transportation
					483112	Deep Sea Passenger Transportation
					483113 483114	Coastal and Great Lakes Freight Transportation Coastal and Great Lakes Passenger Transportation
					483211	Inland Water Freight Transportation
			484	Truck Transportation	483212	Inland Water Passenger Transportation
					484110 484121	General Freight Trucking, Local General Freight Trucking, Long-Distance, Truckload
					484122	General Freight Trucking, Long-Distance, Less Than Truckload
					484210 484220	Used Household and Office Goods Moving
					484220	Specialized Freight (except Used Goods) Trucking, Local Specialized Freight (except Used Goods) Trucking, Long-Distance
			485	Transit and Ground Passenger Tr	ansportation	
					485111 485112	Mixed Mode Transit Systems Commuter Rail Systems
					485113	Bus and Other Motor Vehicle Transit Systems
					485119 485210	Other Urban Transit Systems Interurban and Rural Bus Transportation
					485310	Taxi and Ridesharing Services
					485320 485410	Limousine Service School and Employee Bus Transportation
					485510	Charter Bus Industry
					485991 485999	Special Needs Transportation All Other Transit and Ground Passenger Transportation
			486	Pipeline Transportation	400777	All Office transfer and Grootie Fasserige transportation
					486110 486210	Pipeline Transportation of Crude Oil
					486210	Pipeline Transportation of Natural Gas Pipeline Transportation of Refined Petroleum Products
			407	6 t d 6t - b b t T	486990	All Other Pipeline Transportation
			487	Scenic and Sightseeing Transpor	487110	Scenic and Sightseeing Transportation, Land
					487210	Scenic and Sightseeing Transportation, Water
			488	Support Activities for Transportati	487990 ion	Scenic and Sightseeing Transportation, Other
					488111	Air Traffic Control
					488119 488190	Other Airport Operations Other Support Activities for Air Transportation
					488210	Support Activities for Rail Transportation
					488310 488320	Port and Harbor Operations Marine Cargo Handling
					488330	Navigational Services to Shipping
					488390	Other Support Activities for Water Transportation
					488410 488490	Motor Vehicle Towing Other Support Activities for Road Transportation
					488510	Freight Transportation Arrangement
					488991 488999	Packing and Crating All Other Support Activities for Transportation
			491	Postal Service		
			492	Couriers and Messengers	491110	Postal Service
					492110	Couriers and Express Delivery Services
			1			
			493	Warehousing and Storage	492210	Local Messengers and Local Delivery
			493	Warehousing and Storage	492210 493110	General Warehousing and Storage
			493	Warehousing and Storage	492210	

JMF Category	SCAG RTP/SCS	NAICS Two Digit Code	NAICS Three Digit Code	NAICS Six Di	
Mr Category		ries NAICS Code NAICS Title	NAICS Code NAICS Title		NAICS Title
	Retail Trade				
	Keidii ii'dde	44-45 Retail Trade			
		44-45 Keldii ilidde	441 Motor Vehicle	and Parts Dealers	
			441 Moior Venicle	441110	New Car Dealers
				441120	Used Car Dealers
				441210	Recreational Vehicle Dealers
				441222	Boat Dealers
				441227	Motorcycle, ATV, and All Other Motor Vehicle Dealers
				441330	Automotive Parts and Accessories Retailers
				441340	Tire Dealers
			444 Building Materi	ial and Garden Equipment and S	upplies Dealers
				444110	Home Centers
				444120	Paint and Walloaper Retailers
				444140	Hardware Retailers
				444180	Other Building Material Dealers
				444230	Outdoor Power Equipment Retailers
			445 Food and Beve	444240	Nursery, Garden Center, and Farm Supply Retailers
			445 Food and Beve		I consider the set Office Construction (see the construction)
				445110	Supermarkets and Other Grocery Retailers (except Convenience Retailers)
				445131	Convenience Retailers
				445132	Vending Machine Operators
				445230	Fruit and Vegetable Retailers
				445240	Meat Retailers
				445250	Fish and Seafood Retailers
				445291	Baked Goods Retailers
				445292	Confectionery and Nut Retailers
				445298	All Other Specialty Food Retailers
				445320	Beer, Wine, and Liquor Retailers
			440 5		
			449 Furniture, Home	e Furnishings, Electronics, and Ap	
					Furniture Retailers
				449121	Floor Covering Retailers
				449122	Window Treatment Retailers
				449129	All Other Home Furnishings Retailers
				449210	Electronics and Appliance Retailers
			455 General Merch	handise Retailers	
				455110	Department Stores
				455211	Warehouse Clubs and Supercenters
				455219	All Other General Merchandise Retailers
			456 Health and Per		All Other General Merchandse Kerdiners
			456 Redilii dila Fei	rsonal Care Retailers	Discount of the state of the st
				456110	Pharmacies and Drug Retailers
				456120	Cosmetics, Beauty Supplies, and Perfume Retailers
				456130	Optical Goods Retailers
				456191	Food (Health) Supplement Retailers
				456199	All Other Health and Personal Care Retailers
			457 Gasoline Statio	ons and Fuel Dealers	
				457110	Gasoline Stations with Convenience Stores
				457120	Other Gasoline Stations
				457210	Fuel Dealers
			458 Clothing, Cloth	ning Accessories, Shoe, and Jewe	
			450 Cionning, Cionn		Clothing and Clothing Accessories Retailers
				458210	Shoe Retailers
				458310	Jewelry Retailers
				458320	Luggage and Leather Goods Retailers
			459 Sporting Goods	s, Hobby, Musical Instrument, Bo	
				459110	Sporting Goods Retailers
				459120	Hobby, Toy, and Game Retailers
		1		459130	Sewing, Needlework, and Piece Goods Retailers
				459140	Musical Instrument and Supplies Retailers
				459210	Book Retailers and News Dealers
				459310	Florists
				459410	Office Supplies and Stationery Retailers
				459420	Gift, Novelty, and Souvenir Retailers
				459510	Used Merchandise Retailers
				459910	Pet and Pet Supplies Retailers
				459920	Art Dealers
		1		459930	Manufactured (Mobile) Home Dealers

	SCAG RTP/SCS	NAICS Two Digit Code NAICS Code NAICS Title	NAICS Three NAICS Code	Digit Code	NAICS Six Dig NAICS Code	jit Code
vice	Employment Categories	NAICS Code NAICS liftle	NAICS Code	NAICS Title	NAICS Code	NAICS life
	Information	51 Information				
		51 Information	512	Motion Picture and Sound Record	ding Industries	
					512110	Motion Picture and Video Production
					512120	Motion Picture and Video Distribution
					512131 512132	Motion Picture Theaters (except Drive-Ins) Drive-In Motion Picture Theaters
					512191	Teleproduction and Other Postproduction Services
					512199	Other Motion Picture and Video Industries Music Publishers
					512230 512240	Sound Recording Studios
					512250	Record Production and Distribution
			513	Bull Park to the decorate of	512290	Other Sound Recording Industries
			513	Publishing Industries	513110	Newspaper Publishers
					513120	Periodical Publishers
					513130	Book Publishers
					513140	Directory and Mailing List Publishers Greeting Card Publishers
					513199	All Other Publishers
					513210	Software Publishers
			516	Broadcasting and Content Provid	ers 516110	Radio Broadcasting Stations
					516120	Television Broadcasting Stations
					516210	Media Streaming Distribution Services, Social Networks, and Other Media Networks and Content Providers
			517	Telecommunications	517111	Wired Telecommunications Carriers
					517112	Wireless Telecommunications Carriers (except Satellite)
			1		517121	Telecommunications Resellers
			1		517122 517410	Agents for Wireless Telecommunications Services Satellite Telecommunications
					517410	All Other Telecommunications
			518	Computing Infrastructure Provide	rs, Data Proces	sing, Web Hosting, and Related Services
			510		518210	Computing Infrastructure Providers, Data Processing, Web Hosting, and Related Services
			519	Web Search Portals, Libraries, Arc		Elibraries and Archives
						Web Search Portals and All Other Information Services
	Financial Activities	I				
		52 Finance and Insurance	521	Monetary Authorities-Central Ban	ık	
					521110	Monetary Authorities-Central Bank
			522	Credit Intermediation and Related		To annual de Brandia a
					522110 522130	Commercial Banking Credit Unions
					522180	Savings Institutions and Other Depository Credit Intermediation
					522210	Credit Card Issuing
					522220 522291	Sales Financing Consumer Lending
					522292	Real Estate Credit
					522299	International, Secondary Market, and All Other Nondepository Credit Intermediation
					522310 522320	Mortgage and Nonmortgage Loan Brokers Financial Transactions Processing, Reserve, and Clearinghouse Activities
					522390	Other Activities Related to Credit Intermediation
			523	Securities, Commodity Contracts,	and Other Fin	ancial Investments and Related Activities
					523150 523160	Investment Banking and Securifies Intermediation Commodity Contracts Intermediation
					523210	Securities and Commodity Exchanges
					523910	Miscellaneous Intermediation
					523940	Portfolio Management and Investment Advice
					523991 523999	Trust, Fiduciary, and Custody Activities Miscellaneous Financial Investment Activities
			524	Insurance Carriers and Related A	523999 ctivities	Miscellaneous Financial Investment Activities
			524	Insurance Carriers and Related A	523999 ctivities 524113	Miscellaneous Financial Investment Activities Direct Life Insurance Carriers
			524	Insurance Carriers and Related A	523999 activities 524113 524114	Miscellaneous Financial Investment Activities Direct Life Insurance Carriers Direct Heldh and Medical Insurance Carriers
			524	Insurance Carriers and Related A	523999 ctivities 524113 524114 524126 524127	Miscellaneous Financial Investment Activities Direct Heir Insurance Corriers Direct Health and Medical Insurance Corriers Direct Property and Casually Insurance Corriers Direct Trepenty and Casually Insurance Corriers
			524	Insurance Carriers and Related A	523999 sctivities 524113 524114 524126 524127 524128	Miscellaneous Financial Investment Activities Direct Life Insurance Carries Direct Health and Medical Insurance Carriers Direct Property and Casually Insurance Carriers Direct Property and Casually Insurance Carriers Direct Title Insurance Carriers Other Direct Insurance (except Life, Health, and Medical) Carriers
			524	Insurance Carriers and Related A	523999 ctivities 524113 524114 524126 524127 524128 524130	Miscellaneous Financial Investment Activities Direct Heif Insurance Corries Direct Health and Medical Insurance Corriers Direct Property and Casually Insurance Corriers Direct Property and Casually Insurance Corriers Direct Title Insurance Carriers Other Direct Insurance (except Life, Health, and Medical) Carriers Reinsurance Carriers
			524	Insurance Carriers and Related A	523999 ctivities 524113 524114 524126 524127 524128 524130 524210 524291	Miscellaneous Financial Investment Activities Direct Heile Insurance Corries Direct Property and Casually Insurance Corriers Direct Property and Casually Insurance Corriers Direct Property and Casually Insurance Corriers Direct Title Insurance (except Life, Health, and Medical) Carriers Reinsurance Corriers Insurance Agencies and Brokerages Claims Adjusting
			524	Insurance Carriers and Related A	523999 ctivities 524114 524126 524127 524128 524120 524210 524291 524292	Miscellaneous Financial Investment Activities Direct Life Insurance Carriers Direct Health and Medical Insurance Carriers Direct Property and Casualty Insurance Carriers Direct Property and Casualty Insurance Carriers Direct Title Insurance (except Life, Health, and Medical) Carriers Reinsurance Carriers Insurance Agencies and Brokerages Claims Adjusting Pharmacy Benefit Management and Other Third Party Administration of Insurance and Pension Funds
					523999 ctivities 524113 524114 524126 524127 524128 524128 524210 524291 524292 524298	Miscellaneous Financial Investment Activities Direct Heile Insurance Corries Direct Property and Casually Insurance Corriers Direct Property and Casually Insurance Corriers Direct Property and Casually Insurance Corriers Direct Title Insurance (except Life, Health, and Medical) Carriers Reinsurance Corriers Insurance Agencies and Brokerages Claims Adjusting
			524	Insurance Carriers and Related A	523999 cctivities 524113 524114 524126 524127 524128 524130 524210 524291 524291 524292 524294 524294 52525110	Miscellaneous Financial Investment Activities Direct Life Insurance Carriers Direct Health and Medical Insurance Carriers Direct Property and Casualty Insurance Carriers Direct Property and Casualty Insurance Carriers Direct Title Insurance (except Life, Health, and Medical) Carriers Reinsurance Carriers Insurance Agencies and Brokerages Claims Adjusting Pharmacy Benefit Management and Other Third Party Administration of Insurance and Pension Funds
					523999 cctivities 524113 524114 524126 524127 524128 524120 524210 524210 524291 524292 524298 Vehicles 525110 525120	Miscellaneous Financial Investment Activities Direct Life Insurance Carriers Direct Property and Cosuality Insurance Carriers Direct Property and Cosuality Insurance Carriers Direct Property and Cosuality Insurance Carriers Direct Tite Insurance Carriers Other Direct Insurance (except Life, Health, and Medical) Carriers Reinsurance Carriers Insurance Againsting Trustrance Againsting Pharmacy Benefit Management and Other Third Party Administration of Insurance and Pension Funds All Other Insurance Related Activities Pension Funds Pension Funds Health and Welfare Funds
					523999 ctivilies 524113 524114 524126 524127 524128 524127 524210 524291 524291 524292 524298 Vehicles 525110 525120 525190	Miscelloneous Financial Investment Activities Direct Heife Insurance Carriers Direct Property and Casually Insurance Carriers Direct Property and Casually Insurance Carriers Direct Property and Casually Insurance Carriers Direct Title Insurance (except Life, Health, and Medical) Carriers Reinsurance Carriers Insurance Agencies and Brokerages Claims Adjusting Pharmacy Benefit Management and Other Third Party Administration of Insurance and Pension Funds All Other Insurance Related Activities Pension Funds Health and Welfare Funds Other Insurance Funds
					523999 cctivities 524113 524114 524126 524127 524128 524120 524210 524210 524291 524292 524298 Vehicles 525110 525120	Miscelloneous Financial Investment Activities Direct Hein Insurance Carriers Direct Property and Casually Insurance Carriers Direct Property and Casually Insurance Carriers Direct Property and Casually Insurance Carriers Direct Title Insurance (except Life, Health, and Medical) Carriers Chier Direct Insurance (except Life, Health, and Medical) Carriers Insurance Agencies and Brokerages Claims Adjusting Pharmacy Benefit Management and Other Third Party Administration of Insurance and Pension Funds All Other Insurance Related Activities Pension Funds Health and Welfare Funds Open-End Investment Funds Open-End Investment Funds Tusts, Estates, and Agency Accounts
			525		\$23999 .ctivities \$24113 \$24114 \$24126 \$24127 \$24128 \$24130 \$24210 \$24292 \$24292 \$24292 \$24298 Vehicles \$25110 \$25120 \$25190	Miscelloneous Financial Investment Activities Direct Life Insurance Carriers Direct Property and Casualty Insurance Carriers Direct Property and Casualty Insurance Carriers Direct Property and Casualty Insurance Carriers Direct Titie Insurance (Extremely Control of Cont
		53 Real Estate and Rental and Leasi	525	Funds, Trusts, and Other Financial	\$23999 cclivities \$24113 \$24114 \$24114 \$24126 \$24127 \$24128 \$24120 \$24210 \$24291 \$24292 \$24292 \$2525100 \$255100 \$255910 \$255920	Miscelloneous Financial Investment Activities Direct Hein Insurance Corries Direct Property and Casually Insurance Corriers Direct Property and Casually Insurance Corriers Direct Property and Casually Insurance Corriers Direct Title Insurance (except Life, Health, and Medical) Carriers Polither Direct Insurance (except Life, Health, and Medical) Carriers Insurance Agencies and Brokerages Claims Adjusting Pharmacy Benefit Management and Other Third Party Administration of Insurance and Pension Funds All Other Insurance Related Activities Pension Funds Health and Welfare Funds Open-End Investment Funds Open-End Investment Funds
		53 Real Estate and Rental and Leasi	525		\$23999	Miscelloneous Financial Investment Activities Direct Hein Insurance Carriers Direct Property and Casually Insurance Carriers Direct Property and Casually Insurance Carriers Direct Property and Casually Insurance Carriers Direct Title Insurance (except Life, Health, and Medical) Carriers Chiter Direct Insurance (except Life, Health, and Medical) Carriers Insurance Agencies and Brokerages Claims Adjusting Pharmacy Benefit Management and Other Third Party Administration of Insurance and Pension Funds All Other Insurance Related Activities Pension Funds Health and Welfare Funds Open-End Investment Funds Open-End Investment Funds Tusts, Estates, and Agency Accounts
		53 Real Estate and Rental and Leasi	525	Funds, Trusts, and Other Financial	\$23999 cchWiles \$24113 \$24114 \$24114 \$24114 \$24116 \$24125 \$24127 \$24127 \$24120 \$24220 \$24220 \$24220 \$24220 \$24220 \$24220 \$2525100 \$255100 \$255100 \$255900 \$255900 \$255900 \$331110	Miscelloneous Financial Investment Activities Direct Life Insurance Carriers Direct Property and Casualty Insurance Carriers Direct Title Insurance (except Life, Health, and Medical) Carriers Reinsurance Agencies and Brokerages Insurance Agencies and Brokerages Insurance Agencies and Brokerages Pharmacy Benefit Management and Other third Party Administration of Insurance and Pension Funds All Other Insurance Related Activities Pension Funds Leach and Welfare Funds Other Finance Funds Tusts, Estates, and Agency Accounts Other Financial Vehicles Lesson of Nonesidential Buildings and Dwellings Lesson of Nonesidential Buildings (except Minivarerbouse)
		53 Real Estate and Rental and Leasi	525	Funds, Trusts, and Other Financial	\$23999. \$23999. \$24113. \$24113. \$24114. \$24126. \$24127. \$24127. \$24127. \$24127. \$24127. \$24292. \$24292. \$24292. \$24292. \$24292. \$24292. \$252510. \$255190. \$255190. \$25590. \$25990. \$25990. \$25990.	Miscelloneous Financial Investment Activities Direct Hein Insurance Carriers Direct Property and Casualty Insurance Carriers Direct Title Insurance (except Life, Health, and Medical) Carriers Chier Sequence Agencies and Brokerages Insurance Agencies and Brokerages Insurance Agencies and Brokerages Claims Adjusting Pharmacy Benefit Monagement and Other Third Party Administration of Insurance and Pension Funds All Other Insurance Related Activities Pension Funds Health and Welfare Funds Open-End Investment Funds Open-End Investment Funds Other Insurance Agency Accounts Other Financial Vehicles Lessors of Norresidential Buildings and Dwellings Lessors of Norresidential Buildings (except Minivarerhouse) Lessors of Norresidential Buildings (except Minivarerhouse)
		53 Real Estate and Rental and Leasi	525	Funds, Trusts, and Other Financial	\$23999 cchWiles \$24113 \$24114 \$24114 \$24114 \$24116 \$24125 \$24127 \$24127 \$24120 \$24220 \$24220 \$24220 \$24220 \$24220 \$24220 \$2525100 \$255100 \$255100 \$255900 \$255900 \$255900 \$331110	Miscelloneous Financial Investment Activities Direct Life Insurance Carriers Direct Property and Casualty Insurance Carriers Direct Title Insurance (Except Life, Health, and Medical) Carriers Reinsurance Agencies and Brokerages Insurance Agencies and Brokerages Insurance Agencies and Brokerages Pharmacy Benefit Management and Other third Party Administration of Insurance and Pension Funds All Other Insurance Related Activities Pension Funds Leach and Welfare Funds Cother Insurance Funds Other Financial Vertices Tusts, Estates, and Agency Accounts Other Financial Vertices Leasors of Residential Buildings and Dwellings Leasors of Nonesidential Buildings (except Minivarehouses) Leasors of Minivarehouses and Self-Storage Units Leasors of Minivarehouses and Self-Storage Units Leasors of Minivarehouses and Self-Storage Units
		53 Real Estate and Rental and Leasi	525	Funds, Trusts, and Other Financial	\$23999. \$23999. \$24113. \$24114. \$24114. \$24124. \$24124. \$24124. \$24126. \$24127. \$24126. \$24127. \$24126. \$24127. \$24126. \$24127. \$24126. \$24127. \$2422. \$2422. \$2422. \$25120. \$25120. \$25120. \$252570. \$25	Miscelloneous Financial Investment Activities Direct Life Insurance Carriers Direct Property and Casualty Insurance Carriers Direct Title Insurance (Except Life, Health, and Medical) Carriers Reinsurance Agencies and Brokerages Insurance Agencies and Brokerages Insurance Agencies and Brokerages All Other Insurance Related Activities Pharmacy Benefit Management and Other third Party Administration of Insurance and Pension Funds All Other Insurance Related Activities Insurance Funds Capter Fund Insurance Related Activities Tusts, Estates, and Agency Accounts Other Financial Verbicles Lesson of Nonresidential Buildings and Dwellings Lessons of Nonresidential Buildings (except Minivarehouses) Lessons of Minivarehouses and Self-Storage Units Lessons of Minivarehouses and Self-Storage Units Lessons of Real Estate Agents and Brokers Residential Property Manages
		53 Real Estate and Rental and Leasi	525	Funds, Trusts, and Other Financial	\$23999 civiliies \$524113 \$524114 \$524126 \$524125 \$524127 \$524128 \$524129 \$524129 \$524129 \$524210 \$5242	Miscelloneous Financial Investment Activities Direct Hein Insurance Carriers Direct Property and Casualty Insurance Carriers Direct Title Insurance Carriers Other Direct Insurance (except Life, Health, and Medical) Carriers Insurance Agencies and Brokerages Claims Adjusting Pharmacy Benefit Management and Other Third Party Administration of Insurance and Pension Funds All Other Insurance Related Activities Pension Funds Health and Welfare Funds Other Insurance Funds Open-End Investment Funds Tusts, Estates, and Agency Accounts Other Insurance Insura
		53 Real Estate and Rental and Leasi	525	Funds, Trusts, and Other Financial	\$23999. (citivilies 224113 224113 224114 224126 224126 224127 224126 224126 224127 224126 224127 224126 224127	Miscelloneous Financial Investment Activities Direct Life Insurance Carriers Direct Property and Casualty Insurance Carriers Direct Title Insurance Carriers Direct Prise Insurance (except Life, Health, and Medical) Carriers Reinsurance Agencies and Brokerages Insurance Agencies and Brokerages Insurance Agencies and Brokerages All Other Insurance Reidled Activities Personance Broker Activities Insurance Reidled Activities Insurance Reidled Activities Insurance France Open-End Investment Francis Tusts. Estates, and Agency Accounts Other Financial Vehicles Lessors of Norresidential Buildings (except Minkvarehouses) Lessors of Norresidential Buildings (except Insurance) Lessors of Minkvarehouses and Self-Storage Units Lessors of Minkvarehouses and Self-Storage Units Lessors of Real Estate Agents and Brokers Residential Property Manages Norresidential Fooetry Manages
		53 Real Estate and Rental and Leasi	525	Funds, Trusts, and Other Financial	\$23999. \$CitWiles \$24113. \$24114. \$24114. \$24126. \$24126. \$24127. \$24126. \$24127. \$24128. \$24129. \$24129. \$24210. \$242	Miscelloneous Financial Investment Activities Direct Itél Insurance Carriers Direct Property and Casualty Insurance Carriers Direct Titie Insurance Carriers Direct Prise Insurance (except Life, Health, and Medical) Carriers Reinsurance Agencies and Brokerages Insurance Agencies and Brokerages Insurance Agencies and Brokerages All Other Insurance Related Activities Persion Funds All Other Insurance Related Activities Persion Funds Cheen Food Investment Agency Accounts Other Insurance Funds Other Insurance Funds Other Insurance Funds Insurance Funds Other Insurance Funds Other Insurance Funds Insurance Funds Insurance Funds Other Insurance Funds Other Insurance Funds Insurance Funds Insurance Funds Other Insurance Funds Other Insurance Funds Other Insurance Funds Insurance Funds Insurance Funds Insurance Funds Other Funds Insurance Funds Other Funds Insurance Funds Other Funds Insurance Funds Insurance Funds Other Funds Insurance Funds Other Funds Insurance Funds Other Funds Insurance Funds Other Funds Other Funds Insurance Funds Other Funds Insurance Funds Other Funds Insurance Funds Other Funds Insurance Funds Insu
		53 Real Estate and Rental and Leasi	525 525 531	Funds, Trusts, and Other Financial Real Estate	\$23999 citvilies \$24113 \$24114 \$241126 \$241126 \$241126 \$241126 \$241126 \$241126 \$241126 \$241126 \$24126 \$24126 \$24126 \$24126 \$24126 \$24210 \$24210 \$2422	Miscellaneous Financial Investment Activities Direct Heid Insurance Carriers Direct Property and Casualty Insurance Carriers Direct Property and Casualty Insurance Carriers Direct Property and Casualty Insurance Carriers Direct Title Insurance Carriers Other Direct Insurance (except Life, Health, and Medical) Carriers Reinsurance Agencies and Brokerages Claims Adjusting Pharmacy Benefit Management and Other Third Party Administration of Insurance and Pension Funds All Other Insurance Related Activities Pension Funds Health and Welfare Funds Other Insurance Related Activities Copen-End Investment Funds Other Insurance Agencies and Special Copension Funds Lessors of Norresidential Buildings and Dwellings Lessors of Norresidential Buildings (except Miniwarehouse) Lessors of Other Real Estate Property Offices of Real Estate Agents and Brokers Residential Property Managers Offices of Real Estate Agents and Brokers Residential Property Managers Offices of Real Estate Agents and Brokers Residential Property Managers Offices of Real Estate Agents and Brokers Possenger Car Rental
		53 Real Estate and Rental and Leasi	525 525 531	Funds, Trusts, and Other Financial Real Estate	\$23999 \$25999 \$254113 \$264113 \$264114 \$264126 \$264126 \$264127 \$264126	Miscellaneous Financial Investment Activities Direct Itée Insurance Carriers Direct Property and Casualty Insurance Carriers Direct Title Insurance Carriers Direct Principal Carriers Insurance Agencies and Brokerages Insurance Agencies and Brokerages Insurance Agencies and Brokerages All Other Insurance Related Activities Persion Funds All Other Insurance Related Activities Persion Funds There Insurance Funds Open-Ford Investment Industry Direct Insurance Funds Open-Ford Investment Industry Direct Insurance Funds Other Insurance Funds Other Insurance Funds Usus, Editate, and Agency Accounts Other Insurance Funds Lessors of Residential Buildings and Dwellings Lessors of Norwesidential Buildings (except Miniwarehouses) Lessors of Miniwarehouses and Self-Starage Units Lessors of Norwesidential Buildings Lessors of Norwesidential Buildings Self-Starage Units Lessors of Miniwarehouses and Self-Starage Units Lessors of Norwesidential Buildings Offices of Real Estate Paperty Orfices of Real Estate Appraises Norresidential Property Manages Offices of Real Estate Appraises Other Activities Related to Real Estate Passenger Car Rental Passenger Car Rental Passenger Car Rental Passenger Car Leading
		53 Real Estate and Rental and Leasi	525 525 531	Funds, Trusts, and Other Financial Real Estate	\$23999 \$23999 \$252113 \$24113 \$24114 \$24126 \$	Miscelloneous Financial Investment Activities Direct Life Insurance Carriers Direct Property and Casualty Insurance Carriers Direct Property and Casualty Insurance Carriers Direct Property and Casualty Insurance Carriers Direct Titie Insurance (Except Life, Health, and Medical) Carriers Reinsurance Carriers Trausance Agencies and Brokerages Trausance Agencies and Brokerages Trausance Agencies and Brokerages Trausance Agencies and Brokerages All Other Insurance Related Activities Pension Funds Health and Welfare Funds Other Insurance Related Activities Trausance Funds Other Insurance Runds Other Insurance Runds Other Insurance Runds Other Insurance Runds Insut, Estates, and Agency Accounts Other Financial Vehicles Lessons of Residential Buildings and Dwellings Lessons of Miritwarehouses and Self-Storage Urits Lessons of Miritwarehouses and Self-Storage Urits Lessons of Miritwarehouses and Self-Storage Urits Lessons of New Real Estate Reportery Offices of Real Estate Agents and Brokers Johns of Real Estate Agents and Brokers Offices of Real Estate Agents and Brokers
		53 Real Estate and Rental and Leasi	525 525 531	Funds, Trusts, and Other Financial Real Estate	\$23999 \$23999 \$252999 \$252113 \$24113 \$24114 \$24126	Miscelloneous Financial Investment Activities Direct Life Insurance Carriers Direct Property and Casualty Insurance Carriers Direct Property and Casualty Insurance Carriers Direct Property and Casualty Insurance Carriers Direct Title Insurance (Extreme Insurance Carriers) Direct Title Insurance (Extreme Insurance Carriers) Direct Title Insurance (Extreme Insurance Carriers) Fraudrace Agencies and Brokerages Carriers Adjustice Agencies and Brokerages Carriers Adjustice Agencies and Brokerages Carriers Adjustice Agencies and Brokerages All Childe Insurance Related Activities Pension Funds All Childe Insurance Related Activities Pension Funds Health and Welfare Funds Other Insurance Funds Other Insurance Funds Other Insurance Funds Insut, Estates, and Agency Accounts Other Financial Verticles Lessors of Residential Buildings and Dwellings Lessors of Norresidential Buildings (except Miniwarehouses) Lessors of Norre
		53 Real Estate and Rental and Leasi	525 525 531	Funds, Trusts, and Other Financial Real Estate	\$23999. \$23999. \$24113. \$24114. \$24114. \$24126. \$24126. \$24127. \$24128. \$24129. \$24129. \$24129. \$24210	Miscelloneous Financial Investment Activities Direct Itée Insurance Carriers Direct Property and Casualty Insurance Carriers Direct Title Insurance Carriers Insurance Agencies and Brokerages Insurance Agencies and Brokerages Insurance Agencies and Brokerages Insurance Agencies and Brokerages All O'ther Insurance Related Activities Pension Funds All O'ther Insurance Related Activities Pension Funds Total Carriers Insurance Agency Accounts Open-End Investment Funds Open-End Investment Funds Other Insurance And Agency Accounts Other Insurance And Agency Accounts Other Insurance And Agency Accounts Other Insurance Agency Accounts Other Insurance Agency Accounts Other Insurance Agency Accounts Other Insurance Agency Accounts Other Activities Related Activities Issues of Norwacelouses and Self-Storage Units Lessors of Norwacelouses Offices of Real Estate Appraises Offices of Real Estate Appraises Other Activities Related to Real Estate Passenger Car Rental Formal Wear and Costume Rental Video Tage and Disc Rental
		53 Real Estate and Rental and Leasi	525 525 531	Funds, Trusts, and Other Financial Real Estate	\$23999. (citvilies \$254113. \$24114. \$24124. \$24126. \$24127. \$24128. \$24129. \$24129. \$24129. \$24129. \$24210.	Miscelloneous Financial Investment Activities Direct Itée Insurance Carriers Direct Health and Medical insurance Carriers Direct Property and Casually Insurance Carriers Direct Property and Casually Insurance Carriers Direct Property and Casually Insurance Carriers Detect Title Insurance (Except Life, Health, and Medical) Carriers Reinsurance Agencies and Brokerages Insurance Agencies and Brokerages Insurance Agencies and Brokerages Insurance Agencies and Brokerages Pharmacy Berefit Management and Other Third Party Administration of Insurance and Pension Funds All Other Insurance Related Activities Pension Funds Pension Funds Pension Funds Other Insurance Funds Other Insurance Funds Other Insurance Funds Other Insurance Funds Insus Estates, and Agency Accounts Other Insurance Insuranc
		53 Real Estate and Rental and Leasi	525 525 531	Funds, Trusts, and Other Financial Real Estate	\$23999. \$23999. \$24113. \$24114. \$24114. \$24126. \$24126. \$24127. \$24128. \$24129. \$24129. \$24129. \$24210	Miscelloneous Financial Investment Activities Direct Itée Insurance Carriers Direct Property and Casualty Insurance Carriers Direct Title Insurance Carriers Insurance Agencies and Brokerages Insurance Agencies and Brokerages Insurance Agencies and Brokerages Insurance Agencies and Brokerages All O'ther Insurance Related Activities Pension Funds All O'ther Insurance Related Activities Pension Funds Total Carriers Insurance Agency Accounts Open-End Investment Funds Open-End Investment Funds Other Insurance And Agency Accounts Other Insurance And Agency Accounts Other Insurance And Agency Accounts Other Insurance Agency Accounts Other Insurance Agency Accounts Other Insurance Agency Accounts Other Insurance Agency Accounts Other Activities Related Activities Issues of Norwacelouses and Self-Storage Units Lessors of Norwacelouses Offices of Real Estate Appraises Offices of Real Estate Appraises Other Activities Related to Real Estate Passenger Car Rental Formal Wear and Costume Rental Video Tage and Disc Rental
		53 Real Estate and Rental and Leasi	525 525 531	Funds, Trusts, and Other Financial Real Estate	\$23999. \$\text{civilies}\$ \$294113. \$24114. \$24114. \$241126. \$241126. \$241126. \$241126. \$241126. \$241126. \$24126. \$24126. \$24126. \$24126. \$24126. \$24126. \$24126. \$24126. \$24126. \$24126. \$24126. \$24126. \$24126. \$24126. \$24126. \$24126. \$252116. \$252150. \$252970. \$252280. \$252280. \$252280. \$252280. \$252280. \$252280. \$252280. \$252280. \$252280. \$252280.	Miscelloneous Financial Investment Activities Direct Itéel Insurance Carriers Direct Property and Casualty Insurance Carriers Direct Titie Insurance Carriers Insurance Agencies and Brokerages Insurance Agencies and Brokerages Insurance Agencies and Brokerages Insurance Agencies and Brokerages All Other Insurance Related Activities Pension Funds All Other Insurance Related Activities Pension Funds Other Insurance Related Activities Pension Funds Other Insurance Related Activities Insurance Agency Accounts Other Insurance Related Activities Insurance Agency Accounts Other Activities Related Agency Accounts Offices of Real Estate Appendixers Other Activities Related to Real Estate Passenger Car Rental Fassenger Car Rental Passenger Car Rental Fassenger Car Rental Fassenger Car Rental Fassenger Car Rental Fassenger Car Caccing Consumer Estate Carcinaces Agency Video Tage and Disc Rental Home Health Equipment Rental Kercerolinoal Codost Rental Jene Health Equipment Rental All Cherler Consumer Special Certers
		53 Real Estate and Rental and Leasi	525 525 531	Funds, Trusts, and Other Financial Real Estate	\$23999 (ctivilies to ctivilies	Miscelloneous Financial Investment Activities Direct Life Insurance Carriers Direct Property and Casualty Insurance Carriers Direct Property and Casualty Insurance Carriers Direct Property and Casualty Insurance Carriers Describe Title Insurance Carriers Direct Property and Casualty Insurance Carriers Describer Insurance Agencies and Brokerages Insurance Agencies and Brokerages Insurance Agencies and Brokerages Pharmacy Benefit Monagement and Other Third Party Administration of Insurance and Pension Runds All Other Insurance Related Activities Pension Funds Health and Welfare Funds Other Insurance Funds Other Insurance Funds Other Insurance Funds Other Insurance Funds Other Financial Verbicles Lesson of Norresidential Buildings and Dwellings Lessons of Norresidential Buildings (except Miniwarehouses) Lessons of Miniwarehouses and Self-Storage Units Lessons of Norresidential Buildings (except Miniwarehouses) Lessons of Norresidential Runds Norresidential Frocetry Manages Norresidential Frocetry Manages Norresidential Property Manages Norresidential Property Manages Norresidential Property Manages Offices of Real Estate Approxies Offices of Real Estate Approxies Other Activities Related to Real Estate Passenger Car Leating Track, Ultily Taller, and SV (Receational Vehicle) Rental and Leasing Consumer Beachonics and Appliances Rental Recreational Goods Rental Have Health Equipment Rental Recreational Goods Rental Haven Health Equipment Rental Recreational Goods Rental General Rental Centers
		S3 Real Estate and Rental and Leasi	525 525 531	Funds, Trusts, and Other Financial Real Estate	\$23999. \$23999. \$252999. \$24113. \$24114. \$24114. \$24124. \$24124. \$24126. \$24127. \$24126. \$24127. \$24126. \$24127. \$24126. \$24127. \$24270. \$2427	Miscelloneous Financial Investment Activities Direct Life Insurance Carriers Direct Property and Casualty Insurance Carriers Detect Title Insurance Carriers Direct Property and Casualty Insurance Carriers Insurance Agencies and Brokerages Insurance Agencies and Brokerages Insurance Agencies and Brokerages Pharmacy Benefit Monagement and Other Third Party Administration of Insurance and Pension Funds All Other Insurance Related Activities Pension Funds Health and Welfare Funds Other Insurance Funds Insuft Statles, and Agency Accounts Other Financial Verbicles Lesson of Norresidential Buildings and Owellings Lessons of Norresidential Buildings (except Miniwarehouses) Lessons of Miniwarehouses and Self-Storage Units Lessons of Norresidential Buildings (except Miniwarehouses) Lessons of Miniwarehouses and Self-Storage Units Lessons of Norresidential Buildings (except Miniwarehouses) Lessons of Miniwarehouses and Self-Storage Units Lesson
		53 Real Estate and Rental and Leasi	525 525 531	Funds, Trusts, and Other Financial Real Estate	\$23999. \$23999. \$24113. \$24114. \$24126. \$24114. \$24126. \$24126. \$24127. \$24128. \$24129. \$24129. \$24210	Miscelloneous Financial Investment Activities Direct Itéel Invarance Carriers Direct Property and Casualty Insurance Carriers Describer Insurance Carriers Property of Carriers Insurance Agencies and Brokerages Insurance Agencies and Brokerages Insurance Agencies and Brokerages Pharmacy Benefit Management and Other Third Party Administration of Insurance and Pension Funds All Other Insurance Related Activities Pension Funds Health and Welfare Funds Other Insurance Funds Open-End Investment Funds Other Insurance Funds Insurance Funds Other Insurance Funds Other Insurance Funds Other Insurance Funds Other Insurance Funds Insurance Funds Insurance Funds Other Activities Related to Real Estate Prossenger Car Rental Prossenger Car Rental Forsenger Car Leading Insurance Funds Insuranc

TUMF Category	SCAG RTP/SCS	NAICS Correspondence NAICS Two Digit Code	NAICS Three Digit Code	NAICS Six Dig	git Code
romr category	Employment Categories	NAICS Code NAICS Title	NAICS Code NAICS Title	NAICS Code	NAICS Title
	Professional and Busines				
		54 Professional, Scientific, and Tec	hnical Services 541 Professional, Scientific, an	d Tanksiani Sandasa	
			541 Floressional, scientific, and	541110	Offices of Lawyers
				541120	Offices of Notaries
				541191	Title Abstract and Settlement Offices
				541199	All Other Legal Services Offices of Certified Public Accountants
				541213	Tax Preparation Services
				541214	Payroll Services
					Other Accounting Services
				541310	Architectural Services Landscape Architectural Services
				541320	Engineering Services
				541340	Draffing Services
				541350	Building Inspection Services
				541360	Geophysical Surveying and Mapping Services
				541370 541380	Surveying and Mapping (except Geophysical) Services Testing Laboratories and Services
					Interior Design Services
				541420	Industrial Design Services
					Graphic Design Services
				541490 541511	Other Specialized Design Services Custom Computer Programming Services
					Computer Systems Design Services
				541513	Computer Facilities Management Services
				541519	Other Computer Related Services
				541611	Administrative Management and General Management Consulting Services
				541612 541613	Human Resources Consulting Services Marketing Consulting Services
		I		541614	Process, Physical Distribution, and Logistics Consulting Services
		I		541618	Other Management Consulting Services
		I		541620	Environmental Consulting Services
		I		541690 541713	Other Scientific and Technical Consulting Services Percent and Development in Nanotechnology
					Research and Development in Nanotechnology Research and Development in Biotechnology (except Nanobiotechnology)
				541715	Research and Development in the Physical, Engineering, and Life Sciences (except Nanotechnology and Biotechnology
					Research and Development in the Social Sciences and Humanities
				541810	Advertising Agencies
				541820 541830	Public Relations Agencies Media Buying Agencies
				541840	Media Representatives
				541850	Indoor and Outdoor Display Advertising
				541860	Direct Mail Advertising
				541870	Advertising Material Distribution Services Other Services Related to Advertising
					Marketing Research and Public Opinion Polling
				541921	Photography Studios, Portrait
				541922	Commercial Photography
				541930 541940	Translation and Interpretation Services Veterinary Services
					All Other Professional, Scientific, and Technical Services
		55 Management of Companies an			
			551 Management of Compani		Ton the second s
				551111	Offices of Bank Holding Companies Offices of Other Holding Companies
				551114	Carporate, Subsidiary, and Regional Managing Offices
		56 Administrative and Support and	Waste Management and Remediation Servi	ces	
			561 Administrative and Suppor	† Services	Total Administrative Contract
				561210	Office Administrative Services Facilities Support Services
				561311	Employment Placement Agencies
					Executive Search Services
					Temporary Help Services
		I		561330 561410	Professional Employer Organizations Document Preparation Services
		I		561421	Telephone Answering Services
		I		561422	Telemarketing Bureaus and Other Contact Centers
		I			Private Mail Centers
				561439 561440	Other Business Service Centers (including Copy Shops) Collection Agencies
		I			Credit Bureaus
		I		561491	Repossession Services
				561492	Court Reporting and Stenotype Services
		I		561499 561510	All Other Business Support Services Travel Agencies
		I		561510	Tour Operators
		I		561591	Convention and Visitors Bureaus
		I		561599	All Other Travel Arrangement and Reservation Services
		I		561611	Investigation and Personal Background Check Services
		I		561612 561613	Security Guards and Patrol Services Armored Car Services
		I			Security Systems Services (except Locksmiths)
		I		561622	Locksmiths
		I		561710	Exterminating and Pest Control Services
		I		561720	Janitorial Services Landscaping Services
		I			Carpet and Upholstery Cleaning Services
		I			Other Services to Buildings and Dwellings
		I		561910	Packaging and Labeling Services
		I		561920	Convention and Trade Show Organizers
		I	5/2 Wash 11	561990	All Other Support Services
		I	562 Waste Management and I	semediation Services	Solid Waste Collection
		I			Solid Waste Collection Hazardous Waste Collection
		I		562119	Other Waste Collection
		I			Hazardous Waste Treatment and Disposal
		1		562212	Solid Waste Landfill
				562213 562219	Solid Waste Combustors and Incinerators Other Nonhazardous Waste Treatment and Disposal
				562219	Other Nonhazardous Waste Treatment and Disposal
				562219 562910 562920	

UMF Non-Resider	ntial Category Detailed	NAICS Corr	espondence				
TUMF Category	SCAG RTP/SCS Employment Categories	NAICS Two	Digit Code	NAICS Three	Digit Code	NAICS Six Di	gif Code
- 1	Employment Categories	NAICS Code	e NAICS liffe	NAICS Code	NAICS Tiffe	NAICS Code	NAICS IIIIE
	Education and Health Ser						
		61	Educational Services	611	Educational Services		
				811	Educational Services	411110	Elementary and Secondary Schools
						611210	Junior Colleges
						611310	Colleges, Universities, and Professional Schools
						611410	Business and Secretarial Schools
						611420	Computer Training
						611430	Professional and Management Development Training
						611511	Cosmetology and Barber Schools
						611512	Flight Training
						611513	Apprenticeship Training
						611519	Other Technical and Trade Schools
						611610	Fine Arts Schools
						611620	Sports and Recreation Instruction
						611630	Language Schools
						611691	Exam Preparation and Tutoring
						611692	Automobile Driving Schools
						611699	All Other Miscellaneous Schools and Instruction
						611710	Educational Support Services
		62	Health Care and Social Assistance	e			
				621	Ambulatory Health Care Service	s	
						621111	Offices of Physicians (except Mental Health Specialists)
						621112	Offices of Physicians, Mental Health Specialists
	l	1		1		621210	Offices of Dentists
				1		621310	Offices of Chiropractors
				1		621320	Offices of Optometrists
				1		621330	Offices of Mental Health Practitioners (except Physicians)
						621340	Offices of Physical, Occupational and Speech Therapists, and Audiologists
	l	1		1		621391	Offices of Podiatrists
				1		621399	Offices of All Other Miscellaneous Health Practitioners
	l	1		1		621410 621420	Family Planning Centers Outpatient Mental Health and Substance Abuse Centers
						621420	HMO Medical Centers
						621492	Kidney Dialysis Centers
						621493	
						621498	Freestanding Ambulatory Surgical and Emergency Centers All Other Outpatient Care Centers
						621511	Medical Laboratories
						621512	Diagnostic Imaging Centers
						621610	Home Health Care Services
						621910	Ambulance Services
						621991	Blood and Organ Banks
						621999	All Other Miscellaneous Ambulatory Health Care Services
				622	Hospitals		
						622110	General Medical and Surgical Hospitals
						622210	Psychiatric and Substance Abuse Hospitals
						622310	Specialty (except Psychiatric and Substance Abuse) Hospitals
				623	Nursing and Residential Care Fac	cilities	
						623110	Nursing Care Facilities (Skilled Nursing Facilities)
						623210	Residential Intellectual and Developmental Disability Facilities
						623220	Residential Mental Health and Substance Abuse Facilities
						623311	Continuing Care Retirement Communities
						623312	Assisted Living Facilities for the Elderly
						623990	Other Residential Care Facilities
				624	Social Assistance		
						624110	
						624120	Services for the Elderly and Persons with Disabilities
						624190	Other Individual and Family Services
	l	1		1		624210	Community Food Services
				1		624221	Temporary Shelters
	l	1		1		624229	Other Community Housing Services
				1		624230	Emergency and Other Relief Services
				1		624310	Vocational Rehabilitation Services
						624410	Child Care Services
	Leisure and Hospitality	71	Arts, Entertainment, and Recreation	on			
			and, Emericaninent, and Recreation	711	Performing Arts, Spectator Sports	and Related I	ndustries
	l	1		— /···	specialor sports	711110	Theater Companies and Dinner Theaters
				1		711120	Dance Companies
						711130	Musical Groups and Artists
	l	1		1		711190	Other Performing Arts Companies
				1		711211	Sports Teams and Clubs
				1		711212	Racetracks
	l	1		1		711219	Other Spectator Sports
				1		711310	Promoters of Performing Arts, Sports, and Similar Events with Facilities
	l	1		1		711320	Promoters of Performing Arts, Sports, and Similar Events without Facilities
	l	1		1		711410	Agents and Managers for Artists. Athletes. Entertainers, and Other Public Figures
	l	1		1		711510	Independent Artists, Writers, and Performers
	l	1		712	Museums, Historical Sites, and Si	milar Institution	\$
							Museums
		1		1		712120	Historical Sites
	l	1		1		712130	Zoos and Botanical Gardens
				1		712190	Nature Parks and Other Similar Institutions
	l	1		713	Amusement, Gambling, and Rec		
						713110	Amusement and Theme Parks
				1		713120	Amusement Arcades
	l	1		1		713210	Casinos (except Casino Hotels)
				1		713290	Other Gambling Industries
						713910	Golf Courses and Country Clubs
				1		713920	Skiing Facilities
						713930	Marinas
	I	I		1		713940	Fitness and Recreational Sports Centers

UMF Category	SCAG RTP/SCS	NAICS Two Digit Code	NAICS Three Digit Code NAICS Six Digit Code			
	Employment Categories	NAICS Code NAICS Title		NAICS Title		NAICS Title
		72 Accommodation and Food Se	ervices			·
		72 Accommodation and rood so	721	Accommodation		
			72.	Accommodation	721110	Hotels (except Casino Hotels) and Motels
					721120	Casino Hotels
					721120	Bed-and-Breakfast Inns
					721199	All Other Traveler Accommodation
					721211	RV (Recreational Vehicle) Parks and Campgrounds
					721214	Recreational and Vacation Camps (except Campgrounds)
					721310	Rooming and Boarding Houses, Dormitories, and Workers' Camps
			722	Food Services and Drinking Place		
					722310	Food Service Contractors
					722320	Caterers
					722330	Mobile Food Services
					722410	Drinking Places (Alcoholic Beverages)
					722511	Full-Service Restaurants
					722513	Limited-Service Restaurants
					722514	Cafeterias, Grill Buffets, and Buffets
					722515	Snack and Nonalcoholic Beverage Bars
	Other Service					
		81 Other Services (except Public	Administration)			<u> </u>
			811	Repair and Maintenance		
					811111	General Automotive Repair
					811114	Specialized Automotive Repair
					811121	Automotive Body, Paint, and Interior Repair and Maintenance
					811122	Automotive Glass Replacement Shops
					811191	Automotive Oil Change and Lubrication Shops
					811192	Car Washes
					811198	All Other Automotive Repair and Maintenance
					811210	Electronic and Precision Equipment Repair and Maintenance
					811310	Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintena
					811411	Home and Garden Equipment Repair and Maintenance
					811412	Appliance Repair and Maintenance
					811420	Reupholstery and Furniture Repair
					811430	Footwear and Leather Goods Repair
					811490	Other Personal and Household Goods Repair and Maintenance
			812	Personal and Laundry Services		
					812111	Barber Shops
					812112	Beauty Salons
					812113	Nail Salons
					812191	Diet and Weight Reducing Centers
					812191	Other Personal Care Services
					812199 812210	Other Personal Care Services Funeral Homes and Funeral Services
					812199	Other Personal Care Services Funeral Homes and Funeral Services Cemeteries and Crematories
					812199 812210 812220 812310	Other Personal Care Services Flurred Homes and Funeral Services Cemeteries and Crematories Cein-Operated Loundries and Drycleaners
					812199 812210 812220 812310 812320	Other Personal Care Services Funeral Homes and Funeral Services Cemeteries and Cematalises Coin-Operated Loundries and Drycleaners Dycleaning and Loundry Services (except Coin-Operated)
					812199 812210 812220 812310 812320 812331	Other Personal Care Services Funeral Homes and Funeral Services Cemeteries and Crematories Coin-Operated Laundries and Drycleaners Drycleaning and Laundry Services (except Coin-Operated) Linen Supply
					812199 812210 812220 812310 812320 812331 812332	Other Personal Care Services Funeral Homes and Funeral Services Cemelteries and Crematories Coin-Operated Loundries and Drycleaners Dycleaning and Loundry Services (except Coin-Operated) Linen Supply Industrial Loundrees
					812199 812210 812220 812310 812320 812331 812332 812910	Other Personal Care Services Funeral Homes and Funeral Services Cemeteries and Crematoles Coin-Operated Laundries and Drycleanes Drycleaning and Laundry Services (except Coin-Operated) Linen Supply Industrial Laundrens Pet Care (except Veterinary) Services
					812199 812210 812220 812310 812320 812331 812332 812910 812921	Other Personal Care Services Funeral Homes and Funeral Services Cemeleties and Cematolites Cain-Operated Loundries and Drycleaners Drycleaning and Loundry Services (except Coin-Operated) Linen Supply Industrial Loundrees Pet Care (except Veterinary) Services Pet Care (except Veterinary) Services
					812199 812210 812220 812310 812320 812331 812332 812910 812921 812922	Other Personal Care Services Funeral Homes and Funeral Services Cemeteries and Cerendotes Coin-Operated Loundries and Drycleaners Drycleaning and Loundry Services (except Coin-Operated) Linen Supply Industrial Loundrees Pet Care (except Veterinary) Services Photofinishing Loboratories (except One-Hour) One-Hour Photofinishing
					812199 812210 812220 812310 812331 812332 812332 812910 812921 812922 812930	Other Pesonal Care Services Funeral Homes and Funeral Services Cemeleties and Cematolites Cari-Operated Laundries and Drycleaners Drycleaning and Laundrie Services (except Coin-Operated) Linen Supply Industrial Laundriers Pet Care (except Veterinary) Services Petolifishing Laboratories (except One-Hour) One-Hour Photofinishing
			912	Paliciau Gentrokko Chia	812199 812210 812220 812310 812320 812331 812332 812910 812921 812922 812930 812990	Other Personal Care Services Funeral Homes and Funeral Services Cemeteries and Cematoties Coin-Operated Laundries and Brycleaners Dycleaning and Loundry Services (except Coin-Operated) Linen Supply Industrial Loundrees Pet Care (except Veterinary) Services Photofinishing Loboratories (except One-Hour) One-Hour Photofinishing Parting Lots and Garages All Other Personal Services
			813	Religious, Grantmaking, Chric. Pr	812199 812210 812220 812310 812320 812331 812332 812910 812921 812922 812930 812990 ofessional, and	Other Personal Care Services Funeral Homes and Funeral Services Cemeleties and Crematoties Cain-Operated Loundies and Prycleaners Drycleaning and Laundiy Services (except Coin-Operated) Linen Supply Industrial Lounderes Pet Care (except Veterinary) Services All Other Personal Services Similar Organizations
			813	Religious, Grantmaking, Chric, Pr	812199 812210 812220 812310 812320 812332 812332 812910 812922 812930 812920 812990 ofessional, and	Other Personal Care Services Funeral Homes and Funeral Services Cemeteries and Cerendoties Coin-Operated Loundies and Drycleaners Drycleaning and Loundry Services (except Coin-Operated) Linen Supply Industrial Lounderen Pet Care (except Veterinary) Services Photolinishing Loboratories (except One-Hour) One-Hour Photolinishing Parking Lots and Garages All Other Personal Services Similar Organizations Resigious Organizations
			913	Religious, Grantmaking, Chric., Pr	812199 812210 812220 812310 812320 812331 812332 812910 812921 812922 812930 812990 ofessional, and 813110 813211	Other Personal Care Services Funeral Homes and Funeral Services Cemeteries and Crematoties Carin-Operated Laundries and Prycleaners Dycleaning and Laundry Services (except Coin-Operated) Linen Supply
			813	Religious, Grantmaking, Chic, Pr	812199 812210 812220 812310 812320 812331 812332 812910 812921 812922 812930 812990 ofessional, and 813110 813211 813212	Other Personal Care Services Funeral Homes and Funeral Services Cemeteries and Cematoties Coin-Operated Laundries and Drycleaners Drycleaning and Loundry Services (except Coin-Operated) Linen Supply Industrial Loundrens Pet Care (except Veterinary) Services Photolinishing Loboratories (except One-Hour) One-Hour Photolinishing Parking Lob and Garages All Other Personal Services Similar Organizations Resigious Organizations Grantmaking Foundations Grantmaking Foundations
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TUMF Category	SCAG RTP/SCS	NAICS Two Digit Code	NAICS Three	Digit Code	NAICS Six Dig	if Code
JMF Calegory	Employment Categories	NAICS Code NAICS Title		NAICS Title	NAICS Code	NAICS Title
ernment/Publ	lic Sector					
	Government					
		92 Public Administration				
			921	Executive, Legislative, ar	nd Other General Gover	rnment Support
					921110	Executive Offices
					921120	Legislative Bodies
					921130	Public Finance Activities
					921140	Executive and Legislative Offices, Combined
					921150	American Indian and Alaska Native Tribal Governments
					921190	Other General Government Support
			922	Justice, Public Order, an	d Safety Activities	
					922110	Courts
					922120	Police Protection
					922130	Legal Counsel and Prosecution
					922140	Correctional Institutions
					922150	Parole Offices and Probation Offices
					922160	Fire Protection
					922190	Other Justice, Public Order, and Safety Activities
			923	Administration of Human	Resource Programs	
					923110	Administration of Education Programs
					923120	Administration of Public Health Programs
					923130	Administration of Human Resource Programs (except Education, Public Health, and Veterans' Affairs Programs)
					923140	Administration of Veterans' Affairs
			924	Administration of Environ		
						Administration of Air and Water Resource and Solid Waste Management Programs
					924120	Administration of Conservation Programs
			925	Administration of Housing	g Programs, Urban Planr	ning, and Community Development
					925110	Administration of Housing Programs
					925120	Administration of Urban Planning and Community and Rural Development
			926	Administration of Econor	mic Programs	
					926110	Administration of General Economic Programs
					926120	Regulation and Administration of Transportation Programs
					926130	Regulation and Administration of Communications, Electric, Gas, and Other Utilities
					926140	Regulation of Agricultural Marketing and Commodities
					926150	Regulation, Licensing, and Inspection of Miscellaneous Commercial Sectors
			927	Space Research and Tec		
					927110	Space Research and Technology
			928	National Security and Int	ternational Affairs	
					928110	National Security
			1		928120	International Affairs

DUICE: SCAG 2020 RTP/SCS Callomia Employment Development Department (EDD) US Ceraus Bureau, North American Industry Classification System (NAICS), 2022

Appendix C - Western Riverside County Traffic Growth 2018 – 2045

Existing (2018) and future (2045) traffic data were derived from RivCoM. The model area of coverage, level of roadway network and TAZ detail, and application on other regional transportation study efforts represented RivCoM as the appropriate tool for evaluating traffic growth as part of the Nexus Study.

The forecasts of existing and future congestion levels were derived from the Year 2018 Existing and Year 2045 No-Build scenarios, respectively. The 2018 Existing and 2045 No-Build scenarios were developed using RivCoM to model 2018 and 2045 SED, respectively, as derived from the SCAG 2020 RTP/SCS adopted SED forecasts, on the transportation network as it existed in 2021. The 2018 existing transportation network represents the most recent baseline network developed for RivCoM, and only reflects the inclusion of those projects that were funded, committed and under construction at that time, and therefore imminently to be part of the baseline transportation system in 2018. For the purposes of the TUMF network analysis, additional improvements on the TUMF arterial highway network that were either completed or under construction in the period between 2018 and December 2021 were added to the network to create a 2021 existing network. The 2021 existing network was subsequently modeled in RivCoM using both 2018 and 2045 SED to provide the 2018 Baseline and 2045 No-Build scenarios as the basis for comparison and analysis. The 2045 No-Build scenario did not include transportation improvements that are planned as part of the recently adopted SCAG 2020 RTP/SCS on the basis they are uncommitted (meaning that their implementation is dependent on securing future funding and approval). Inclusion of the uncommitted improvements masks the congestion effects of increasing travel. Inclusion of these improvements and the resultant masking is not appropriate for this analysis aimed at identifying the effects of increasing travel if improvements were not built.

The WRCOG TUMF study area was extracted from RivCoM for the purpose of calculating the following measures for Western Riverside County only. Traffic growth impacts for each of the two scenarios were calculated using the TransCAD platform.

- Total daily vehicle miles of travel (VMT),
- > Total daily VMT on facilities experiencing LOS E or worse.
- > Total daily vehicle hours of travel (VHT), and
- > Total combined daily vehicle hours of delay (VHD)

The following formulas were used to calculate the respective values.

- VMT = Link Distance * Total Daily Volume
- VHT = Average Loaded (Congested) Link Travel Time * Total Daily Volume
- VHD = VHT (Free-flow (Uncongested) Link Travel Time * Total Daily Volume)
- ➤ VMT LOS E or F = VMT (on links where Daily V/C exceeded 0.90)¹³

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¹³ LOS Thresholds for LOS E are based on the 2010 Edition of the <u>Highway Capacity Manual</u> (Transportation Research Board, National Research Council, Washington, D.C., 2010) LOS Maximum V/C Criteria for Multilane Highways with 45 mph Free Flow Speed (Exhibit 14-5, Chapter 14, Page 14-5).

RivCoM breaks down its roadway network into functional categories called assignment groups. The measures were calculated selectively for all facilities, freeways only, arterials only, and TUMF arterials only by including and excluding different assignment groups and facilities. For the calculation of measures on "all facilities", only the centroid connectors were excluded. Arterial values excluded all mixed-flow to carpool lane connector ramps, freeways, carpool lanes, centroid connectors, and freeway-to-freeway connector ramps, respectively. Freeways were defined as including mixed-flow to carpool lane connector ramps, freeways, carpool lanes, and freeway-to-freeway connector ramps, respectively.

The 2021 Existing Network by Facility Type is included in this Appendix as **Exhibit C-1**. The 2021 existing network was used as the basis for the 2018 Existing and 2045 No-Build scenarios by modeling 2018 and 2045 SED, respectively, on the 2021 existing network using RivCoM to determine the comparative effects of population, household an employment growth in the region. The results of the analysis of existing and future congestion levels are presented for peak periods in **Exhibit C-2** and for daily in **Exhibit C-3** in this Appendix and extracted for the combined peak periods in **Table 3.1** of the study report.

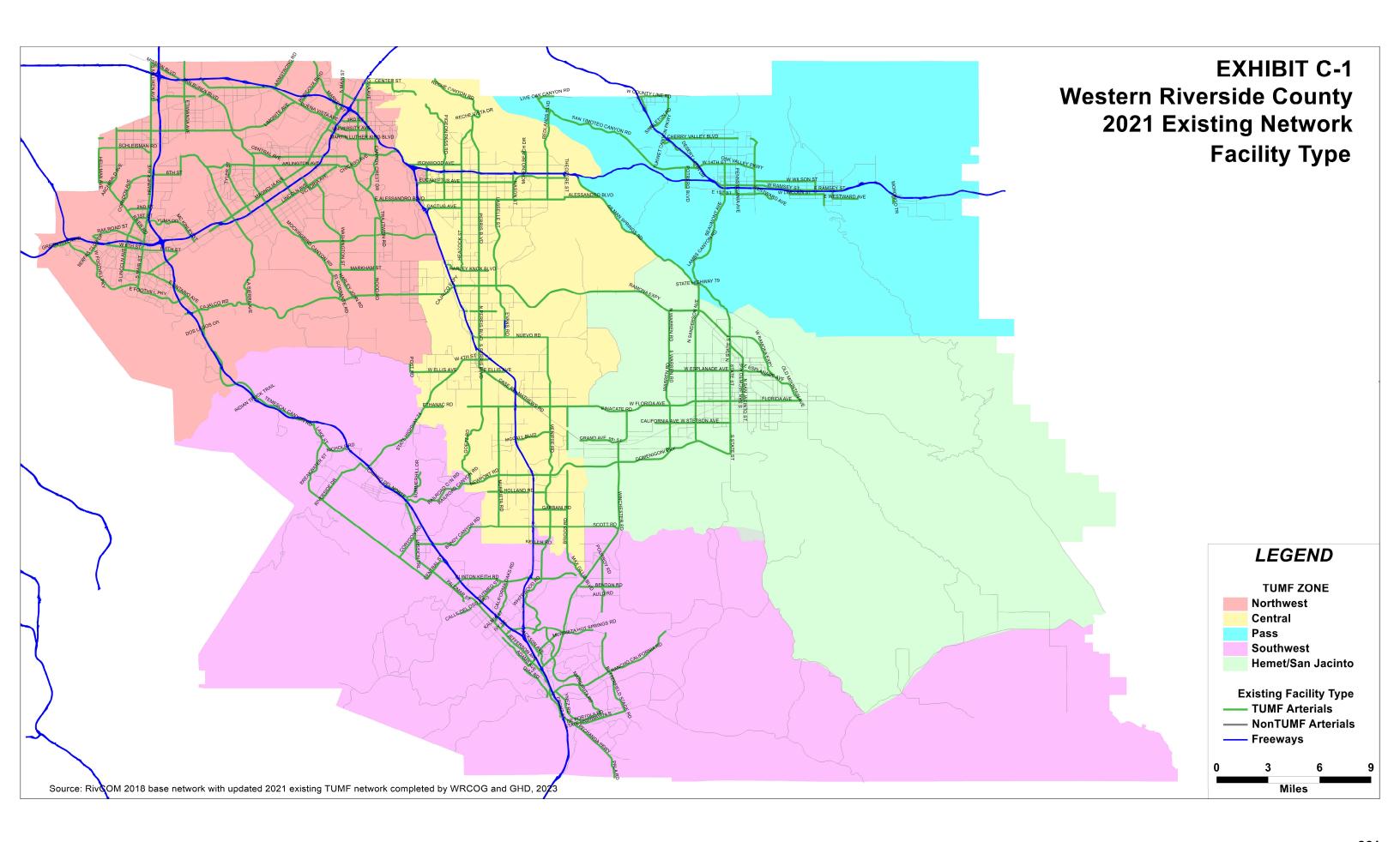


EXHIBIT C-2

Western Riverside County

Regional Highway System Measures of Performance (2018 - 2045) – Peak Periods

		AM Pe	eak			PM P	eak	
Measures of Performance	2018	2045	% Change	% Annual	2018	2045	% Change	% Annual
VMT - Total ALL FACILITIES	10,324,900	13,225,039	28%	0.9%	12,959,824	16,672,215	29%	0.9%
VMT - FREEWAYS	5,877,972	6,720,682	14%	0.5%	7,636,550	8,769,602	15%	0.5%
VMT - ALL ARTERIALS	4,446,928	6,504,357	46%	1.4%	5,323,274	7,902,613	48%	1.5%
TOTAL - TUMF ARTERIAL VMT	2,793,846	3,826,810	37%	1.2%	3,423,139	4,770,390	39%	1.2%
VHT - TOTAL ALL FACILITIES	251,133	435,243	73%	2.1%	290,218	480,196	65%	1.9%
VHT - FREEWAYS	120,257	186,102	55%	1.6%	143,535	213,027	48%	1.5%
VHT - ALL ARTERIALS	130,875	249,142	90%	2.4%	146,683	267,169	82%	2.2%
TOTAL TUMF ARTERIAL VHT	81,578	154,106	89%	2.4%	92,877	166,763	80%	2.2%
VHD - TOTAL ALL FACILITIES	57,989	177,814	207%	4.2%	50,911	160,242	215%	4.3%
VHD - FREEWAYS	34,221	86,616	153%	3.5%	31,935	84,033	163%	3.6%
VHD - ALL ARTERIALS	23,768	91,198	284%	5.1%	18,977	76,209	302%	5.3%
TOTAL TUMF ARTERIAL VHD	18,024	66,789	271%	5.0%	15,225	58,074	281%	5.1%
VMT LOS E & F - TOTAL ALL FACILITIES	2,960,551	6,364,419	115%	2.9%	2,644,519	7,005,063	165%	3.7%
VMT LOS E & F - FREEWAYS	2,435,804	4,276,258	76%	2.1%	2,289,667	5,040,633	120%	3.0%
VMT LOS E & F - ALL ARTERIALS	524,747	2,088,161	298%	5.2%	354,852	1,964,430	454%	6.5%
TOTAL TUMF ARTERIAL VMT w/ LOS E & F	448,168	1,585,571	254%	4.8%	317,614	1,598,561	403%	6.2%
% of TUMF ARTERIAL VMT w/ LOS E & F	16%	41%			9%	34%		

^{*} Based on RivCoM 2018 network and SCAG 2020 RTP/SCS SED with updated 2021 arterial network completed.

NOTES:

Volume is adjusted by PCE factor

VMT = vehicle miles of travel (the total combined distance that all vehicles travel on the system)

VHT = vehicle hours of travel (the total combined time that all vehicles are traveling on the system)

VHD = vehicle hours of delay (the total combined time that all vehicles have been delayed on the system based on the difference between forecast travel time and free-flow (ideal) travel time)

LOS = level of service (based on forecast volume to capacity ratios).

LOS E or Worse was determined by V/C ratio that exceeds 0.9 thresholds as indicated in the Riverside County General Plan.

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EXHIBIT C-3

Western Riverside County
Regional Highway System Measures of Performance (2018 - 2045) – Daily

		Peak Period	ds (Total)			Daily	,	
Measures of Performance	2018	2045	% Change	% Annual	2018	2045	% Change	% Annual
VMT - Total ALL FACILITIES	23,284,724	29,897,254	28%	0.9%	41,378,907	53,832,389	30%	1.0%
VMT - FREEWAYS	13,514,522	15,490,284	15%	0.5%	24,642,357	29,200,582	18%	0.6%
VMT - ALL ARTERIALS	9,770,202	14,406,970	47%	1.4%	16,736,551	24,631,807	47%	1.4%
TOTAL - TUMF ARTERIAL VMT	6,216,985	8,597,200	38%	1.2%	10,794,415	15,170,125	41%	1.3%
VHT - TOTAL ALL FACILITIES	541,350	915,439	69%	2.0%	893,813	1,433,458	60%	1.8%
VHT - FREEWAYS	263,792	399,128	51%	1.5%	440,073	637,990	45%	1.4%
VHT - ALL ARTERIALS	277,558	516,311	86%	2.3%	453,740	795,469	75%	2.1%
TOTAL TUMF ARTERIAL VHT	174,455	320,869	84%	2.3%	285,520	496,757	74%	2.1%
VHD - TOTAL ALL FACILITIES	108,900	338,056	210%	4.3%	131,965	410,511	211%	4.3%
VHD - FREEWAYS	66,156	170,649	158%	3.6%	79,532	208,287	162%	3.6%
VHD - ALL ARTERIALS	42,745	167,407	292%	5.2%	52,434	202,223	286%	5.1%
TOTAL TUMF ARTERIAL VHD	33,249	124,863	276%	5.0%	41,025	152,200	271%	5.0%
VMT LOS E - TOTAL ALL FACILITIES	5,605,070	13,369,483	139%	3.3%	6,153,146	16,090,205	161%	3.6%
VMT LOS E - FREEWAYS	4,725,471	9,316,891	97%	2.5%	5,141,215	11,306,348	120%	3.0%
VMT LOS E & F - ALL ARTERIALS	879,599	4,052,592	361%	5.8%	1,011,931	4,783,858	373%	5.9%
TOTAL TUMF ARTERIAL VMT w/ LOS E or worse	765,782	3,184,133	316%	5.4%	878,465	3,819,635	335%	5.6%
% of TUMF ARTERIAL VMT w/ LOS E or worse	12%	37%			8%	25%		

^{*} Based on RivCoM 2018 network and SCAG 2020 RTP/SCS SED with updated 2021 arterial network completed.

NOTES:

Volume is adjusted by PCE factor

VMT = vehicle miles of travel (the total combined distance that all vehicles travel on the system)

VHT = vehicle hours of travel (the total combined time that all vehicles are traveling on the system)

VHD = vehicle hours of delay (the total combined time that all vehicles have been delayed on the system based on the difference between forecast traction LOS = level of service (based on forecast volume to capacity ratios).

LOS E or Worse was determined by V/C ratio that exceeds 0.9 thresholds as indicated in the Riverside County Generc

Appendix D - Western Riverside County Bus Transit System Ridership 2023 – 2045

Actual average weekday daily ridership for Riverside Transit Agency (RTA) transit bus services was tabulated for 2023. Forecast average weekday daily ridership for RTA bus transit services was retrieved from the SCAG 2020 RTP/SCS Model for horizon year 2045. The bus transit ridership for 2023 and 2045 was tabulated to represent existing and future regional bus transit trips consistent with the analysis of highway trips described in **Section** 3.1 and Appendix C. Table D-1 summarizes the weekday bus transit ridership in Western Riverside County.

TABLE D-1 - Regional Bus Transit Weekday System Ridership

Year	Western Riverside Weekday Projected System Ridership
2023*	16,575
2045**	57,282

Notes: * - 2023 actual average weekday daily ridership provided by RTA staff December 1, 2023

^{** - 2045} forecast average weekday daily ridership obtained from SCAG 2020 RTP/SCS Model as provided by Fehr and Peers, November 28, 2023

Appendix E - Western Riverside County Regional System of Highways and Arterials Performance Measures

An integral element of the Nexus Study is the designation of the Western Riverside County Regional System of Highways and Arterials (also referred to as the "TUMF Network"). This network of regionally significant highways represents those arterial and collector highway and roadway facilities that primarily support inter-community trips in Western Riverside County and supplement the regional freeway system, and represents the extents of the network of highways and roadways that would be eligible for TUMF funded improvements. The Regional System of Highways and Arterials does NOT include the freeways of Western Riverside County which primarily serve inter-regional trips.

The designation of the Regional System of Highways and Arterials in the original TUMF Nexus Study adopted by the WRCOG Executive Committee in October 2002 was initiated with the identification of highways and roadways that met certain specified guidelines as defined by the WRCOG Public Works Committee. The guidelines are defined in **Section 4.1** of the Nexus Report, and include:

- 1. Arterial highway facilities proposed to have a minimum of four lanes at future buildout (not including freeways).
- 2. Facilities that serve multiple jurisdictions and/or provide connectivity between communities both within and adjoining Western Riverside County.
- 3. Facilities with forecast traffic volumes in excess of 20,000 vehicles per day in the future horizon year.
- 4. Facilities with forecast volume to capacity ratio of 0.90 (LOS E) or greater in the future horizon year.
- 5. Facilities that accommodate regional fixed route transit services.
- 6. Facilities that provide direct access to major commercial, industrial, institutional, recreational or tourist activity centers, and multi-modal transportation facilities (such as airports, railway terminals and transit centers).

The original candidate facilities were identified by overlaying various transportation system and land use plots depicting parameters consistent with those defined by the specified guidelines. These plots included existing and proposed numbers of lanes, network volumes and volume to capacity ratio (LOS) derived from SCAG CTP Model networks developed by Transcore to support the ongoing Western Riverside County CETAP study, and existing land use information provided by SCAG. These plots were included in the Appendices that accompanied the original 2002 TUMF Nexus Study. Fixed route transit service information was provided by the Riverside County Regional Transportation Authority (RTA).

These various data inputs were overlaid and reviewed leading the definition of a segmented skeletal network of highways and roadways for further consideration. The skeletal network was further enhanced to reflect regional connectivity and access to activity center considerations. An initial draft Regional System of Highways and Arterials was developed and subsequently distributed to the County of Riverside and each City in Western Riverside County for review in the context of their respective City General

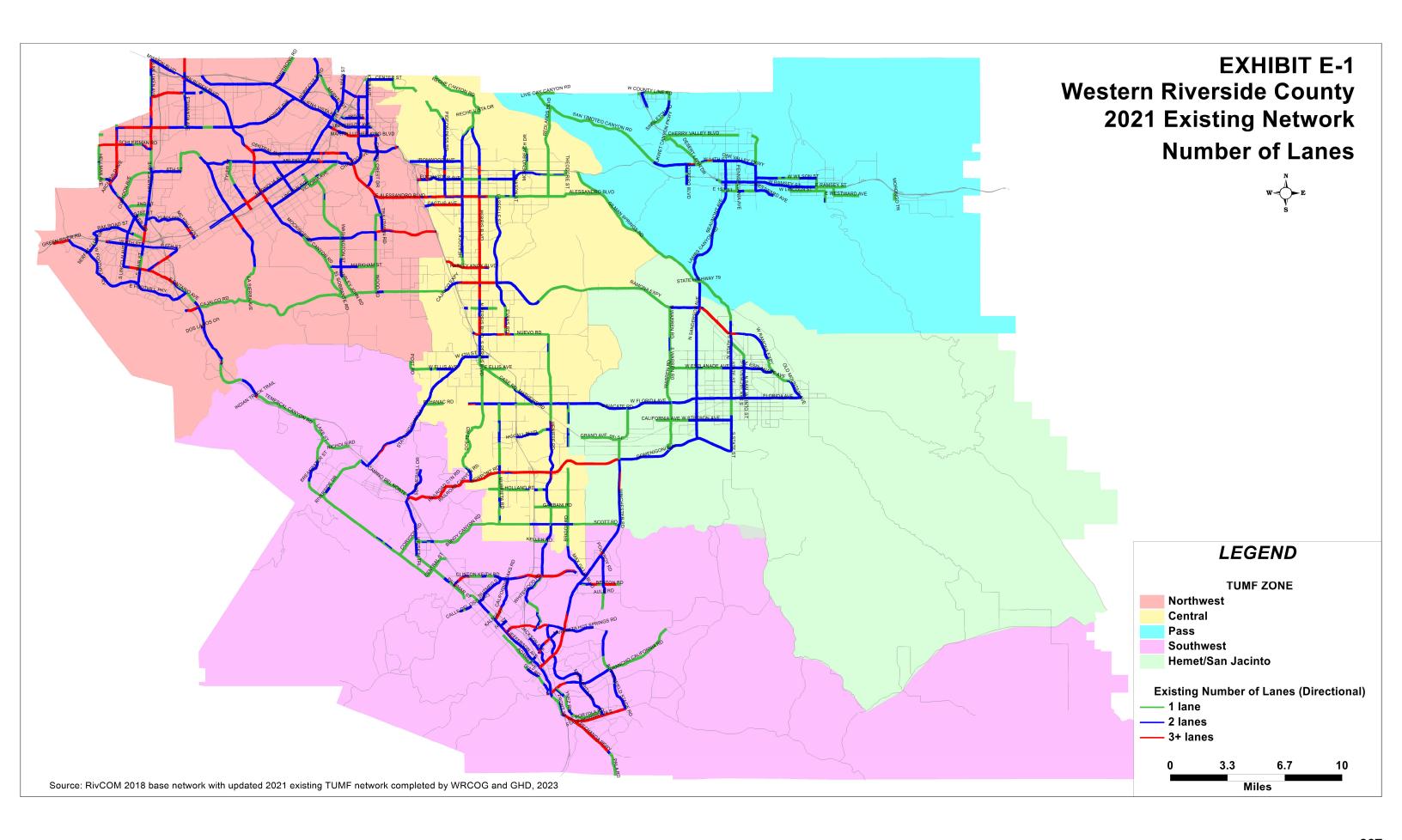
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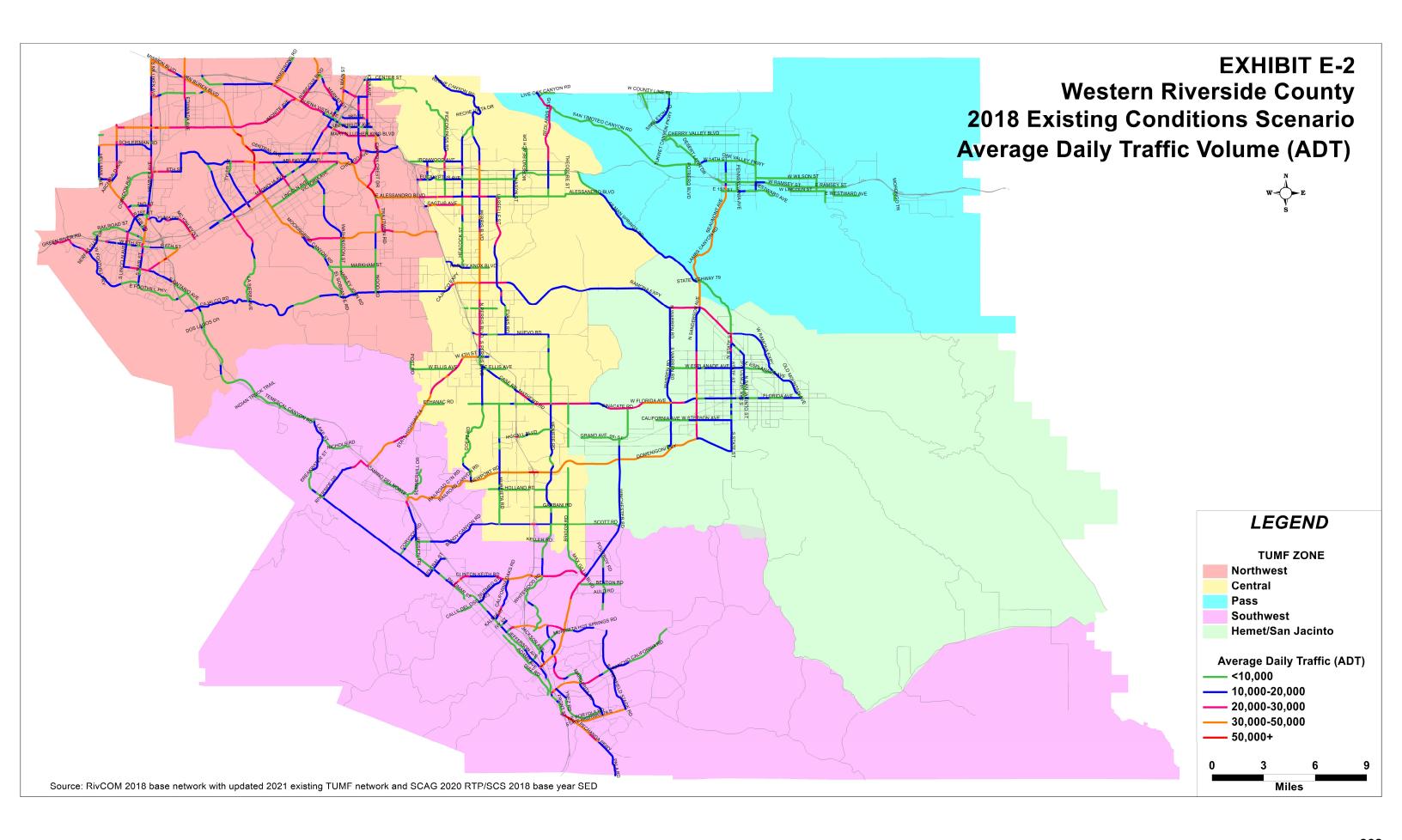
Plan Circulation Elements, primarily to confirm existing and future number of lanes and appropriateness of the facilities identified. The initial draft network was subsequently revised to consolidate appropriate General Plan Circulation Elements, including the identification of proposed new facilities as alternatives to existing facilities. It should be pointed out that the Regional System of Highways and Arterials does not represent a simple compilation of regional General Plan Circulation Elements, but rather incorporates the elements of regional General Plan Circulation Elements that are necessary for mitigating the cumulative regional traffic impacts of new development within the horizon year of the TUMF program.

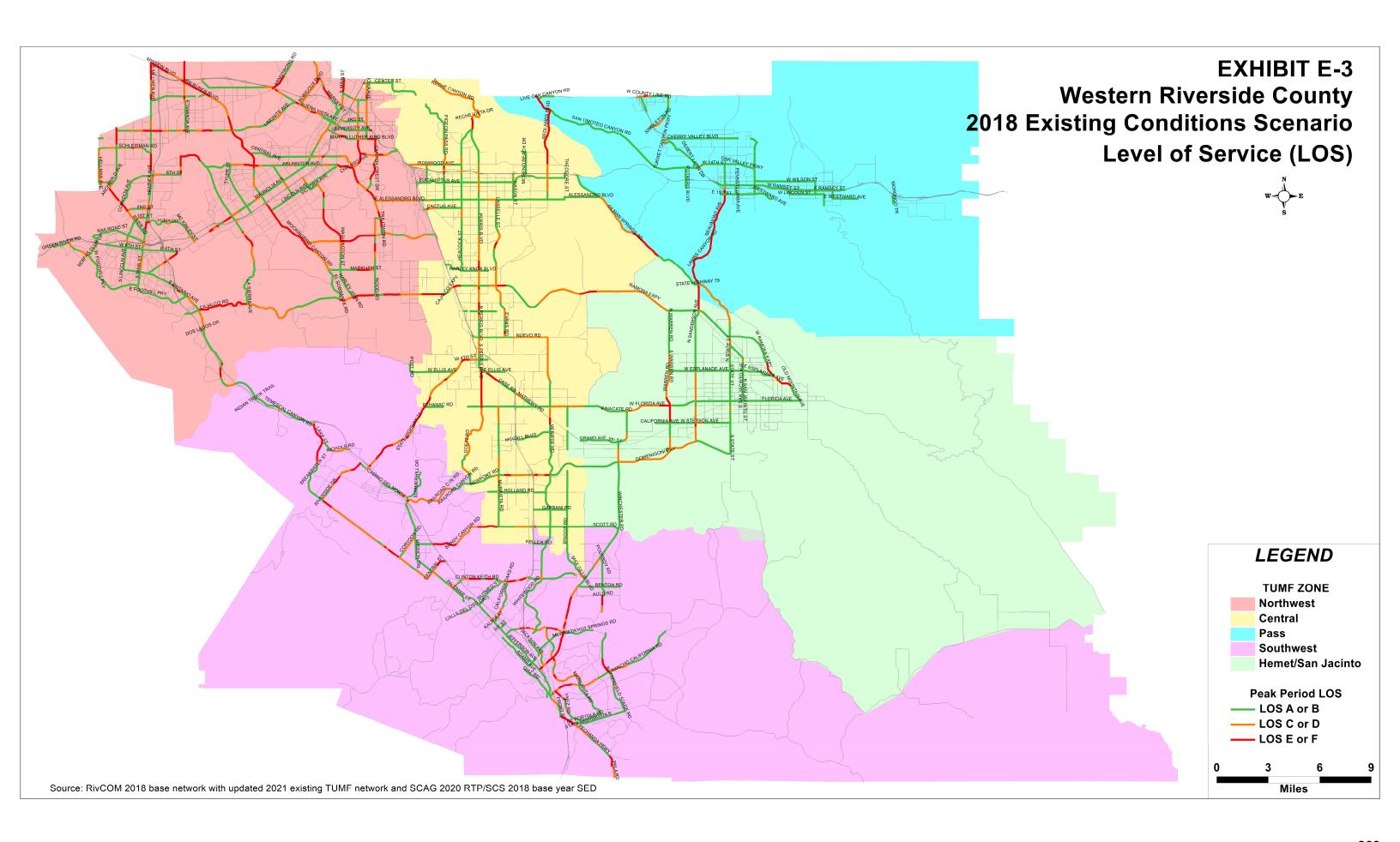
The consolidated list of proposed network improvements (along with associated initial cost estimates) was subsequently distributed to each of the WRCOG jurisdictions, individual landowners, and other stakeholders including representatives of the development community through the Building Industry Association (BIA) for review. The review of the consolidated list of improvements (and associated costs) prompted a series of five peer review workshop meetings to specifically review each segment of roadway identified and the associated improvements to mitigate the traffic impacts of new development. One peer review workshop meeting was held for each of the five zones in the WRCOG region with meetings held at the Riverside County Assessor's Office between June 27, 2002 and July 18, 2002. The peer review workshop meetings involved representatives from WRCOG, the respective zone jurisdictions and the BIA. The peer review workshops culminated in the development (by consensus of the groups) of a revised list of proposed network improvements (and associated costs) more accurately reflecting the improvements necessary to mitigate the cumulative regional traffic impacts of new development.

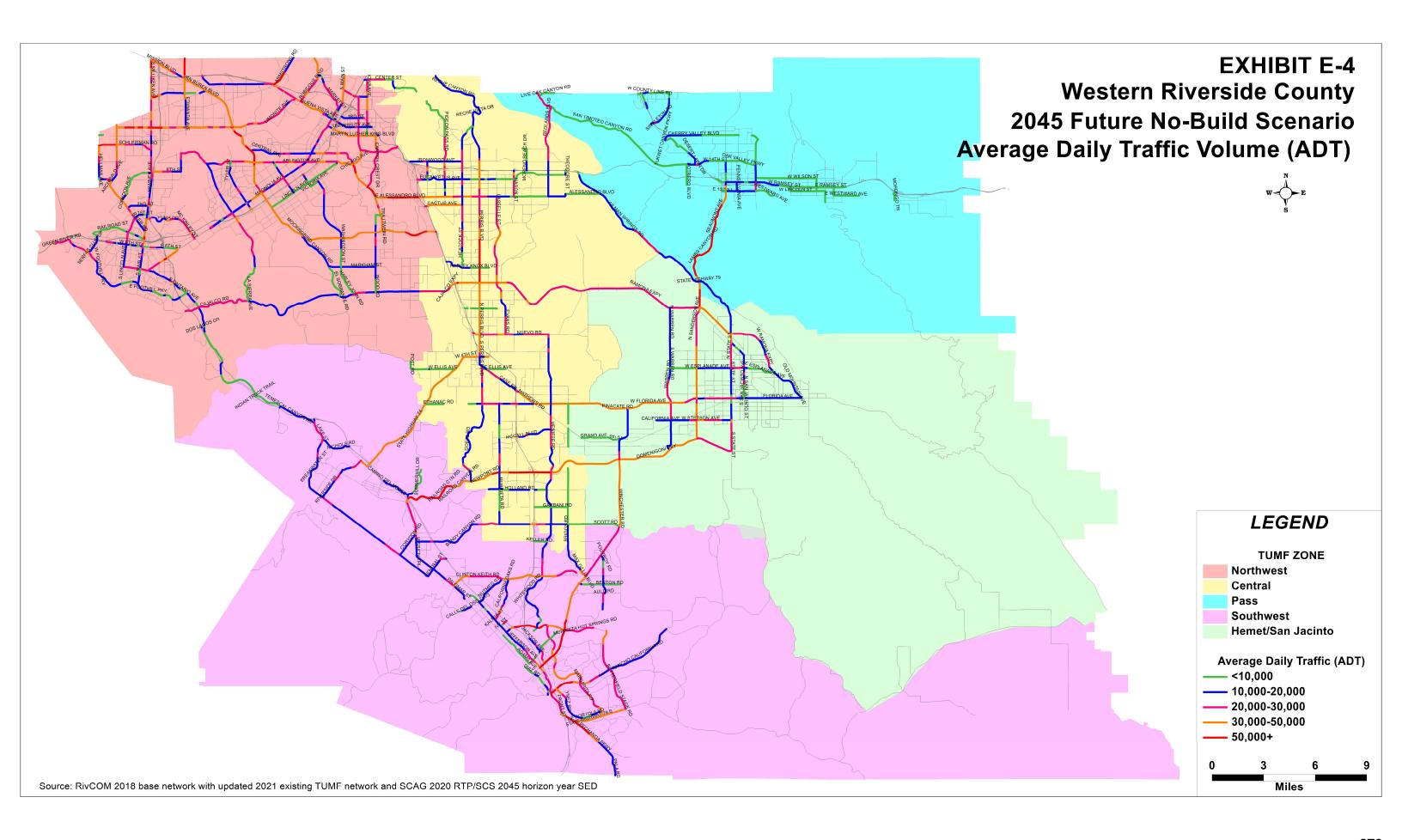
Following the peer review, the initial Regional System of Highways and Arterials was reviewed and endorsed by the TUMF Technical Advisory Committee, the TUMF Policy Committee and the WRCOG Executive Committee and utilized as the basis for developing the original TUMF Nexus Study in October 2002.

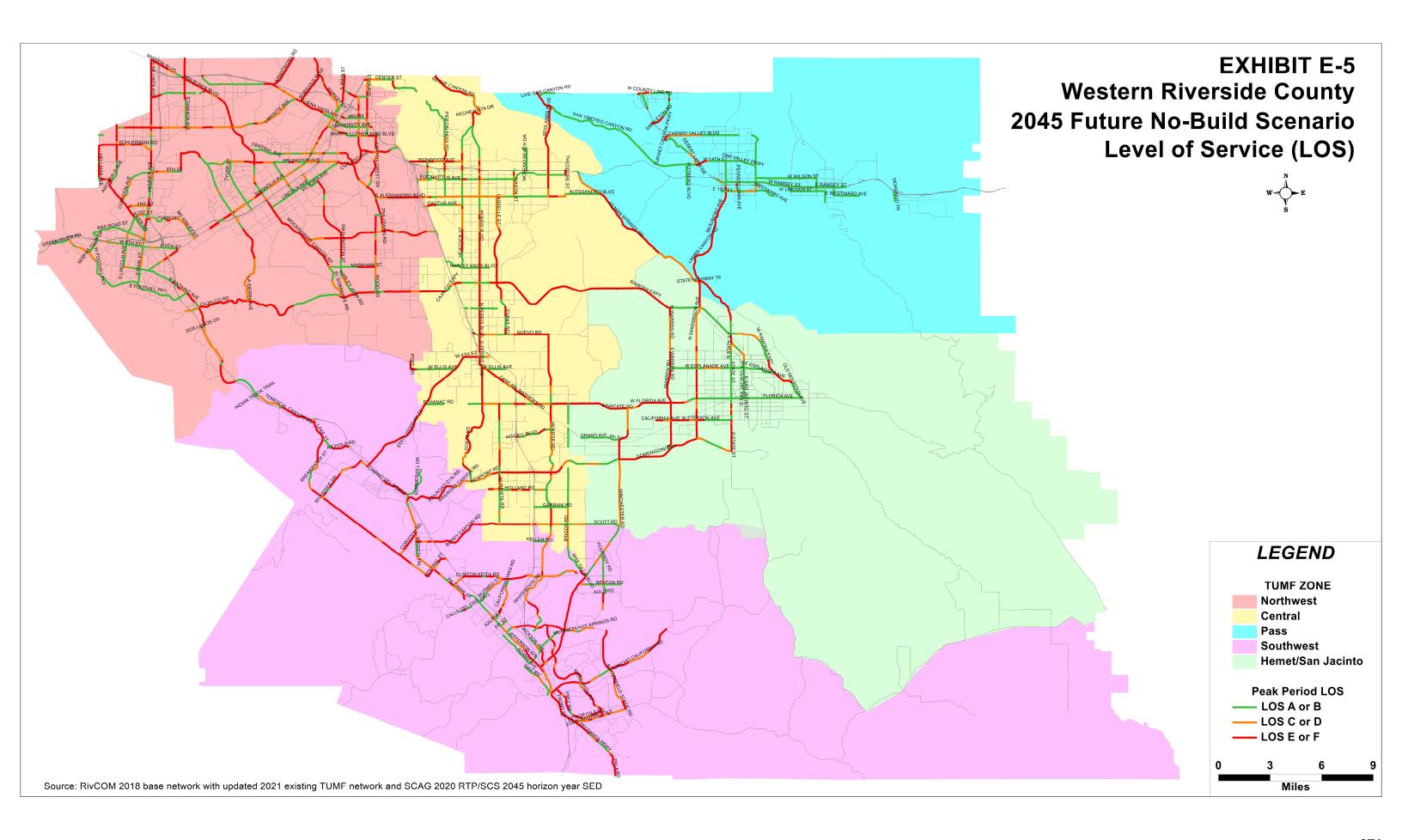
For the 2024 update of the TUMF Nexus Study, the Regional System of Highways and Arterials was reassessed. Consistent with the changing rate of new development forecast for Western Riverside County as part of the SCAG 2020 RTP/SCS, including reductions in the overall level of non-residential employment, the review of the TUMF Network as part of the 2024 Nexus Update ensured facilities generally still met the previously described performance guidelines, and/or that the scope and magnitude of specific improvements to the TUMF Network were roughly proportional to the impacts needing to be mitigated. This review process involved the comparison of model outputs for the 2018 Baseline and 2045 No-Build Scenarios on the 2021 Existing arterial network to identify those facilities no longer expected to be impacted substantially by the cumulative effects of traffic growth from new development. This review resulted in various changes in the scope and magnitude of specific improvements previously identified on the TUMF Network. The updated model output plots utilized as the basis for the latest network review are included in this appendix as **Exhibit E-1** through **E-8**. The Regional System of Highways and Arterials is included as Figure 4.1 in the Nexus Study report.

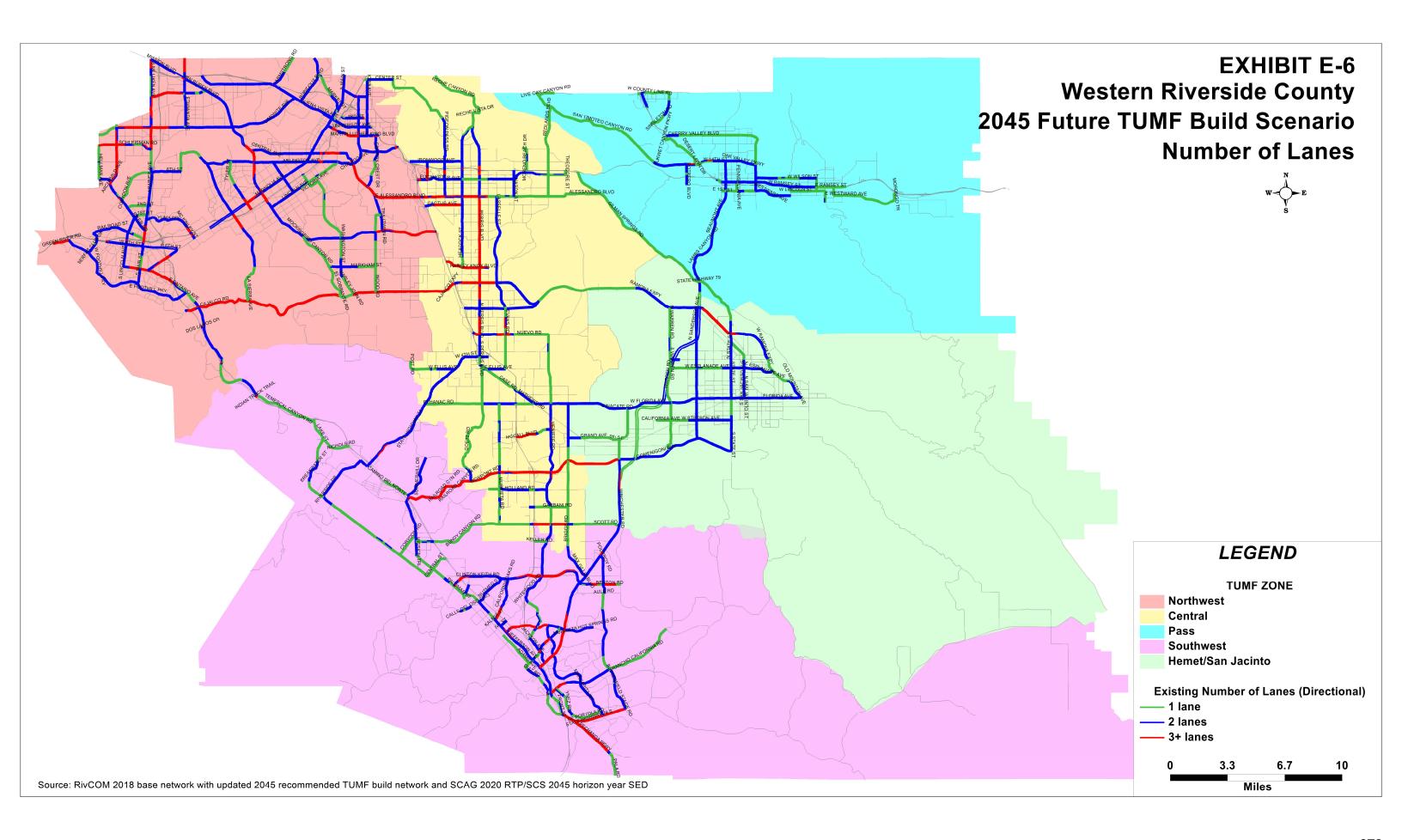


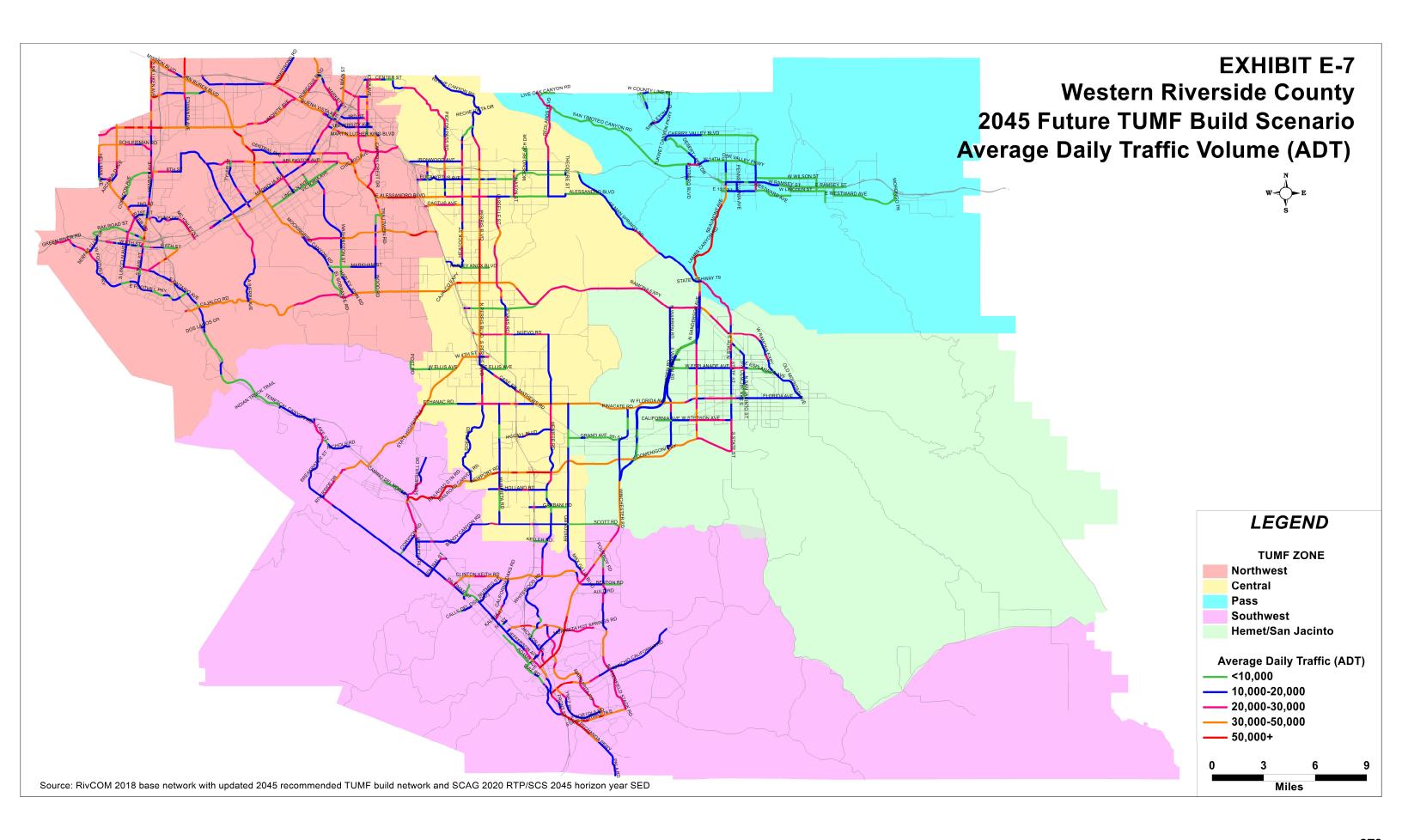


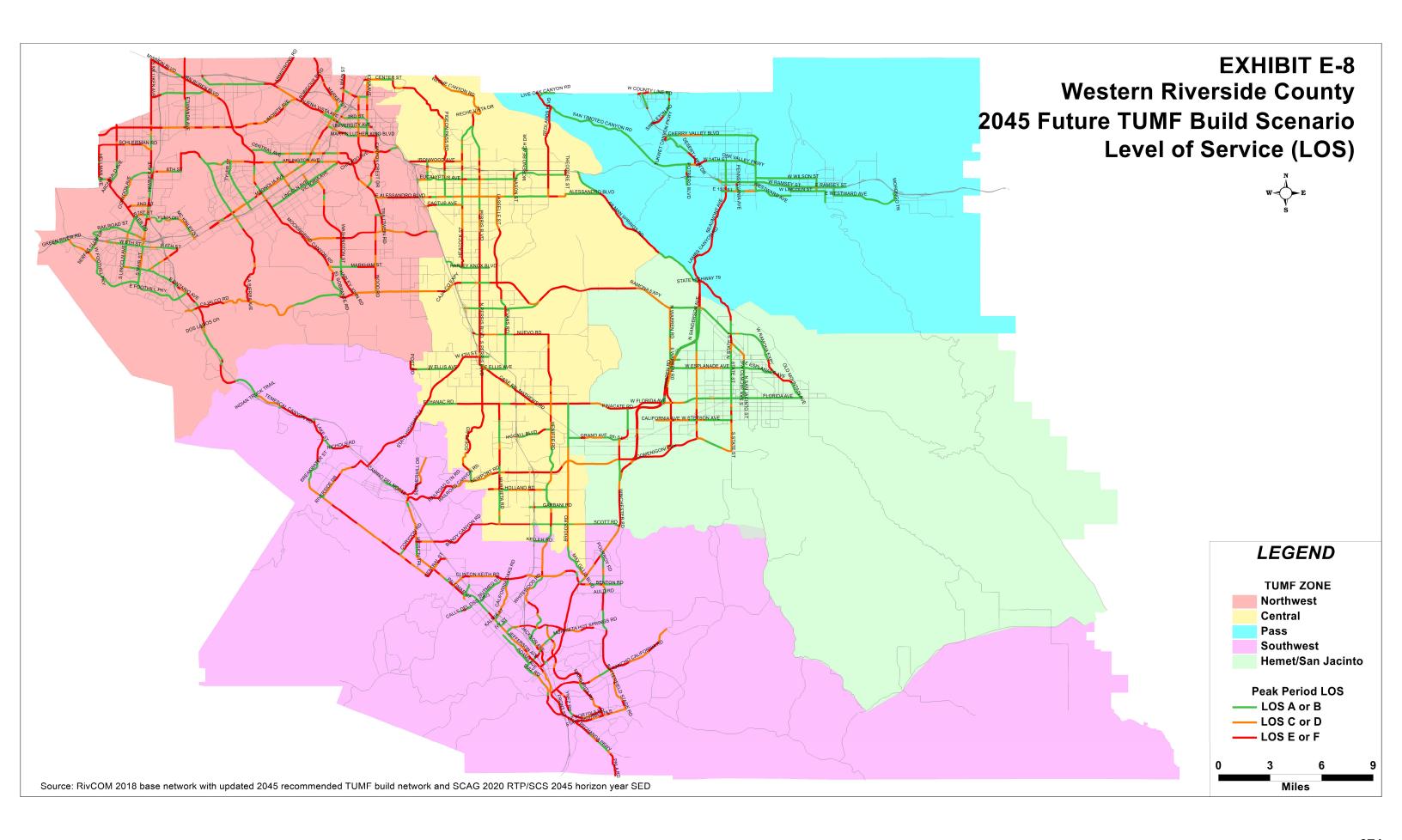












Appendix F - TUMF Network Cost Assumptions

The TUMF program was established as a uniform impact fee program that is applied to mitigate the cumulative transportation impacts of new development on the regional arterial highway system. In establishing the technical basis for TUMF, like any impact fee program, there are two fundamental requirements that must be addressed: establishing a rational nexus for the program; and determining that any fee is roughly proportional to the impact of a proposed development. These requirements are rooted in two well-known legal cases: Nollan v. California Coastal Commission (1987) 483 U.S. 825; and Dolan v. City of Tigard (1994) 512 U.S. 374.

To establish project costs that meet the rough proportionality test for an expansive network of facilities, WRCOG utilizes a conceptual planning level project and cost estimation approach based on typical unit costs for a variety of project types and conditions. These unit costs are intended to reflect a range of values that are typical for the types of projects that are necessary to mitigate the cumulative regional impacts of new development. These unit costs are developed for each typical project type based on actual observed values for the various materials, labor and right-of-way that would typically be required to complete a project. Although the actual materials, labor, right-of-way and associate costs to complete each specific project can be expected to vary based on the particular conditions of each site and project requirements at the time the project is actually implemented, the approach of using typical unit costs as the basis for the TUMF program represents a manageable and appropriate level of detail to establish conceptual project cost estimates that meet the requirement for rough proportionality.

The application of typical unit costs and the associated identification of a maximum TUMF share for each eligible project also provides a framework that protects the program from projects with actual costs that vary significantly from the typical cost estimates used as the program basis. The TUMF program administrative polices limit reimbursement of costs associated with eligible TUMF projects to the lesser of maximum TUMF share identified in the Nexus Study or the actual eligible project costs. In this manner, projects that are completed by participating jurisdictions or developers for less than the maximum TUMF share are reimbursed (or credited) for the actual amount expended, while projects that exceed the maximum TUMF share are only reimbursed (or credited) by the program up to the maximum TUMF share value ensuring that the program is mitigating impacts at a level that is roughly proportional to that typically expected, and is not subject to extreme project costs to address unusual or exceptional local conditions or requirements.

For the purposes of TUMF, unit cost values were developed for various eligible improvement types that all provide additional capacity needed to mitigate the cumulative regional traffic impacts of new development to facilities on the TUMF Network. Eligible improvement types include:

- 1. Construction of additional Network roadway lanes;
- 2. Construction of new Network roadway seaments:
- 3. Expansion of existing Network bridge structures;

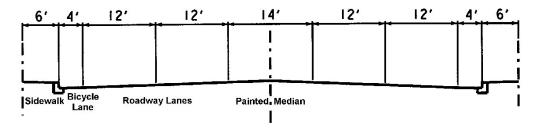
- 4. Construction of new Network bridge structures;
- 5. Expansion of existing Network interchanges with freeways;
- 6. Construction of new Network interchanges with freeways;
- 7. Grade separation of existing Network at-grade railroad crossings;
- 8. Expansion of existing Network-to-Network intersections;
- 9. Infrastructure for Intelligent Transportation Systems (ITS) of Network roadway segments.

Because roadway improvement standards vary considerably between respective jurisdictions, a typical roadway standard for the TUMF Network was recommended by the Public Works Committee (PWC) during the development of the original TUMF Nexus Study adopted by the WRCOG Executive Committee in October 2002 as the basis for developing the TUMF Network cost estimate. The typical roadway standard assumes the following design characteristics that are consistent with the minimum requirements of the Caltrans Highway Design Manual:

- Asphalt concrete pavement and appropriate base material to accomplish up to 12 feet per travel lane plus up to four feet for ancillary treatments (e.g. shoulders, or Class II Bike Lane);
- > Concrete curb and gutter and associated drainage (e.g. paved roadway shoulders and/or open swale);
- Storm drains located within curb to curb, and associated transverse portions perpendicular to the roadway and adjoining portions longitudinal to the roadway;
- > 14 foot paved and painted median (or dual center left turn lane);
- > Traffic signals at intersections with state highways and other major arterials that are also on the TUMF Network;
- > Pavement striping and roadway signing, as required;
- ➤ 6 foot wide concrete sidewalks and associated curb cuts for ADA access at street crossings.

A cross-section of the Typical Roadway Standard is illustrated in Figure F-1.

Figure F-1. Typical Roadway Standard Cross-Section



It is recognized that the typical roadway standard is not appropriate in all potential TUMF Network locations. Where appropriate, typical design standards could be substituted with design elements such as open swale drainage and paved roadway shoulders with no curbing that would typically cost less than the implementation of the

Typical Roadway Standard. Roadway improvements in excess of the Typical Roadway Standard include, but are not limited to:

- Portland concrete cement pavement or other aesthetic pavement types (except at intersections);
- Major rehabilitation or overlay of existing pavement in adjacent roadway lanes;
- Raised barrier medians;
- Parking lanes;
- Roadway tapers outside the extents of the approved project
- Sanitary sewage infrastructure;
- Water systems
- Dry utilities
- Undergrounding infrastructure
- Relocation of non-prior rights utilities
- Storm Drain Systems in excess of draining the roadway
- Landscaping;
- Streetlighting;
- Class I Bike Lanes (e.g. separate bicycle paths)
- > Environmental Permitting
- Detection/Retention Basins outside of Street Right-of-Way
- Agency Staff time in excess of 15% of Engineering
- Agency Staff Time in excess of 15% of Construction

These improvements in excess of Typical Roadway Standards are not eligible for TUMF funding and will be the responsibility of the local funding agency.

Unit cost estimates for the implementation of TUMF Network improvements were developed based on the unit cost to accomplish the Typical Roadway Standard. Initial unit cost estimates were developed as part of the original TUMF Nexus in 2002. These original values were adjusted as part of the 2005 Nexus Update to reflect changes in cost based on relevant indices. The unit cost estimates were fully revised as part of the 2009 Nexus Update to capture the full effects of the economic recession on the costs of labor, materials and property acquisition. For the previous 2016 Nexus Update, the unit costs were fully revised. The 2016 Nexus Update reflected the effects of the ongoing recovery from the economic recession that has saw the costs of materials, labor and land acquisition in California rebound from relative historical lows previously observed at the time of the 2009 Nexus Update.

For the 2024 Nexus Update, the unit costs were again fully revised to generate entirely new unit cost values based on the most recent available construction cost, labor cost and land acquisition cost values for comparable projects within and adjacent to Riverside County. The recalculation of the TUMF unit cost components was completed as part of the 2024 Nexus Update to account for the unprecedented materials cost increases, labor shortages and high rate of inflation generally attributable to a combination of the disruption to global supply chains caused by the COVID-19 pandemic and additional tariffs on a range of products imported into the United States. In December 2023, the unit cost values were validated utilizing Caltrans Contract Cost Data and the resultant unit costs are noted in **Exhibit F-2** and summarized in **Table 4.1**.

For simplicity, the roadway unit cost was assumed to provide for the full depth construction (including grading) of 16 feet of new pavement per lane (to accommodate a minimum 12 foot lane and ancillary treatments). The unit cost was assumed to include the following construction elements:

- Sawcut of existing pavement
- Removal of existing pavement
- Roadway excavation and embankment
- > 10" thick class 2 aggregate base
- > 4.0" thick asphaltic concrete surface
- Concrete curb, gutter and drainage improvements

Roadway unit costs were determined for each unique cost item. The source used to determine the roadway unit costs as part of the 2024 Nexus Update are listed below.

- Caltrans Contract Cost Data 2021-2022
- Projects within Riverside County and Adjacent Counties
- > Typical experience for local cities, Western Riverside County
- Michael Baker international (MBI), Structural Group
- MBI, ITS Group
- Caltrans Contract Cost Data 2022-2023

All data described above was initially obtained in October 2022 and refreshed and validated in December 2023.

Right-of-way acquisition costs were determined based on the cost to acquire 18 feet of right-of-way per lane of new roadway improvement. For urban and suburban land use areas, the amount of right-of-way to be acquired as part of the TUMF program was reduced by 75% to account for property already owned by a participating jurisdiction through prior acquisition or dedication. Right-of-way unit costs were assumed to include the following elements:

- Land acquisition
- Documentation and legal fees
- Relocation and demolition costs and condemnation compensation requirements
- Utility relocation
- > Direct environmental mitigation

Right-of-way unit costs were determined based on a review of actual property sales within the WRCOG region during the prior 18 month period. The task of determining the valuation per square foot of right-of-way for different land uses was completed by Epic Land Solutions, Inc.

A typical existing condition of each component type was used as a guideline for quantity assessments.

- ▶Terrain 1: Level terrain with 0% profile grade. Construction cost is per lane mile.
- >Terrain 2: Rolling Terrain with 1.5 % profile grade. Construction cost is per lane mile.

- Terrain 3: Mountainous Terrain with 3% profile grade. Construction cost is per lane mile.
- Land Use 1, 2 and 3; ROW cost factor per lane mile, for Urban, Suburban and Rural areas respectively.
- ➤Interchange 1: Complex New Interchange/Interchange Modification. Existing complex interchange at I-15 & SR-91 was used as a guideline for quantity assessments.
- ➤Interchange 2: New Interchange/Interchange Modification is assumed to be a New Cloverleaf Interchange consisting of 4 (3 lane) direct ramps and 4 (2 lane) loop ramps.
- Interchange 3: Major Interchange Improvement is assumed to correspond to adding 1 lane to each ramp on a cloverleaf Interchange.
- ➤ Bridge: New Bridge cost. Construction cost is per linear foot per lane.
- >RRXing 1: New Rail Grade Crossing. Construction cost is per lane per crossing.
- >RRXing 2: Widening Existing Grade Crossing. Construction cost is per lane per crossing.
- ▶ITS 1: Infrastructure for Intelligent Transportation Systems (ITS) on TUMF Network roadway segments per route mile

The cost estimating methodology here is intended to provide a Present Value Cost Estimate for the WRCOG Transportation Uniform Mitigation Fee based on year 2023 unit prices. A more detailed description of cost categories is detailed below.

I. Roadway Items

Roadway Excavation:

A unit cost of \$38.55 per cubic yard (Source: Local Projects and Caltrans Contract Cost Data) is applied to account for the excavation quantities. Assuming proposed profiles to be at 0% grade, the excavation values are estimated based on the component type as follows:

Terrain 2 and 3: excavation for one lane (16 feet wide and 4 feet deep) is assumed.

Imported Borrow:

The unit cost used for imported borrow is \$20.47 per cubic yard (Source: Local Projects and Caltrans Contract Cost Data). Locations where imported borrow is required are determined from aerial photos.

- > Terrain 2 and 3: Excavation for one lane (16 feet wide and 4 feet deep) is assumed.
- Interchanges 1, 2, and 3: Vertical clearance of 24.5 feet is used to calculate the maximum amount of imported borrow at areas adjacent to an undercrossing.
- RRXing 1 and 2: Vertical clearance of 31.5 feet and Bridge approach of 1,000 feet is used to determine the quantity of Imported borrow for this component type.

Clearing and Grubbing:

The unit cost for clearing and grubbing is \$12,100.00 per acre (Source: Local Projects and Caltrans Contract Cost Data).

- ➤ Terrain 1, 2 and 3: The area of clearing and grubbing is assumed to extend 16 feet for the addition of each new lane.
- ➤ Interchange 1 and 2: The area of clearing and grubbing is assumed to extend 40 feet beyond the proposed outside edge of shoulder. The clearing and grubbing width varies depending on the number of added lanes.
- Interchange 3 and Intersection: The area of clearing and grubbing is assumed to extend 16 feet for the addition of each lane.

Development of Water Supply:

A lump sum value is used to account for developing water supply. The lump sum cost is estimated as 10% of the combined cost for roadway excavation and imported borrow (Source: RCTC).

PCC Pavement:

The unit cost for PCC pavement is \$354.83 per cubic yard (Source: Local Projects and Caltrans Contract Cost Data).

➤ Terrain 1, 2 and 3: It is assumed that PCC is used at mainline shoulders. The PCC shoulder pavement is assumed to be 4 inch thick and 4 feet wide.

Asphalt Concrete Type A:

It is assumed that Asphalt Concrete is used at mainline and where ramp and bridge widening is required. A unit cost of \$240.62 per cubic yard (Source: Local Projects and Caltrans Contract Cost Data) is used to account for asphalt concrete quantities. The asphalt concrete overlay is assumed to be 4 inch thick.

Aggregate Base:

The unit cost for aggregate base is \$73.54 per cubic yard (Source: Local Projects and Caltrans Contract Cost Data). Aggregate base quantities are estimated by means of calculating the areas of additional lanes. The aggregate base layer is considered to be 10 inch thick. It is assumed that aggregate base is used over the entire widening width below the PCC pavement and asphalt concrete layers.

Curb and Gutter:

The unit cost used for curb and gutter is \$65.74 per linear foot (Source: Local Projects and Caltrans Contract Cost Data). It is assumed that type A2-6 curb and gutter is used on the entire length of travel way where required.

Project Drainage:

A lump sum value is used to account for project drainage cost of roadway construction. The project drainage cost is estimated as 15% (Source: RCTC project 2007) of combined cost for earthwork and pavement structural section.

Traffic Signals:

The costs for traffic signals are calculated per ramp termini intersection. The unit cost used for traffic signals is \$531,086 (Source: Caltrans Contract Cost Data and typical experience, Western Riverside County) per intersection. Traffic signals costs are considered only at the Intersection (Network-to-Network) upgrade.

Striping:

The unit cost used for Striping is \$2.58 per linear foot (Source: Local Projects and Caltrans Contract Cost Data). It is assumed that two lines of thermo-plastic striping are required for every lane addition.

Marking:

The unit cost used for marking is \$7.31 per square foot (Source: Local Projects and Caltrans Contract Cost Data).

- ➤ Terrains 1, 2 and 3: It is assumed that there are 8 arrow markers, 2 Stop sign markers and 4 Bike sign markers.
- ➤ Interchanges 1, 2, and 3: It is assumed that there are 2 Type I arrows on each on ramp, and 2 Type IV (L) arrows on each off ramp.
- ➤ Intersection (network to network) upgrade: It is assumed that there are 2 right turn arrows and two right lane drop arrows for each lane modification for the interchange upgrade

Pavement Marker:

Type G one-way clear retroreflective pavement markers (Spacing @ 48 feet) were assumed for Terrain 1, 2 and 3 component types only. The unit cost used for pavement marker is \$5.06 each (Source: Local Projects and Caltrans Contract Cost Data).

Signage:

The signage unit cost accounts for the costs of one-post signs and two-post signs. The unit cost used for one-post signs and two-post signs are \$367.69 and \$1,211.58 each, respectively (Source: Local Projects and Caltrans Contract Cost Data). The post sign quantities assumed for each component type is summarized below.

Sign Type	Torrain 1 2 9 2	Inte	erchar	Intersection	
Sign Type	Terrain 1, 2 & 3	1	2	3	Intersection
One Post Signs	33	14	36	20	3
Two Post Signs	-	4	4	4	0

Intelligent Transportation Systems (ITS):

The unit cost used for ITS is \$686,338.50 per route mile (Source: Local Projects and MBI ITS Group). It is assumed that there is no existing ITS infrastructure (with the exception of isolated ITS devices) within the TUMF Network roadway segments and essential ITS infrastructure is furnished and installed. This essential ITS infrastructure includes ethernet switch, fiber jumper, fiber distribution unit, splice enclosure, pull box, new cabinet with foundation, 144 strand single-mode fiber optic (SMFO) cable and 3" conduits.

Minor Items, Roadway Mobilization, and Roadway Additions:

A lump sum value is used to account for minor items, roadway mobilization and roadway additions as described below. These lump sum values are recommended based on provisions in Project Development Procedure Manual (PDPM) and the

date from individual sources presented in the introduction of this report (Source: RCTC)

Items	Unit Cost
Minor Items	10% of earthwork, pavement structure, drainage,
	specialty items and traffic items.
Roadway	10% of earthwork, pavement structure, drainage,
Mobilization	specialty items, traffic items and minor items.
Roadway Additions	10% of earthwork, pavement structure, drainage,
	specialty items, traffic items and minor items.

II. Structure Items

New Bridge:

New interchanges account for construction of a new bridge. The unit cost for a new travel way bridge construction and RRXings1 and 2 (New and Widening of Rail Grade Crossings) is \$400.00 per square foot (Source: MBI Structural group). The width of a new bridge is assumed to be 82 feet (4 lanes x 12ft + 10ft shoulder x 2 + 14ft median).

Bridge Widening:

Bridge widenings account for the widening of existing bridges. The unit cost is \$500.00 per square foot (Source: MBI Structural group). The width of a bridge widening is assumed to be: 2 lanes x 12ft + 10ft shoulder. The width of an arterial crossing over rail road is assumed to be 16 feet (1 lane x 12ft + 4ft shoulder).

Structural Mobilization:

The cost for structural mobilization is estimated as 10% of total structure item cost (Source: Typical experience).

III. Right of Way Items

The right of way unit cost varies with land use designation. The unit cost for ROW was developed by Epic Land Solutions, Inc. based on a review of actual property sales within the WRCOG region during the prior 18 month period. The area of right of way acquisition for the travel way is calculated per additional lane mile, assuming the width of the right-of-way required to be 18 feet per lane (to accommodate a 12 foot roadway lane, shoulders and ancillary amenities, like storm water drainage). The right of way acquisition for RRXings1 and 2 is calculated based on ROW acquisition for bridge approaches.

Property costs per square foot are derived by reviewing a large sample of recently sold land and improved properties within the greater Riverside area. The properties reviewed are identified specifically from completed semi large to very large infrastructure projects and upcoming projects with preferred alternatives and/or approved environmental reports. For the purposes of the 2022 Nexus Study update, an overall sample of approximately 2,700 properties was used.

The properties were designated as: urban areas (generally considered downtown, or very close to downtown in the larger cities - predominantly Corona and Riverside, with a few parcels in Temecula and Moreno Valley); suburban (primarily considered the greater areas of Hemet, Perris, San Jacinto, Moreno Valley, Lake Elsinore, outer portions of Riverside / Corona, Temecula, Murrieta, Calimesa, Eastvale, Norco, and other cities of relative size and location as those previously mentioned); and rural (considered the exurban areas between Corona / Lake Elsinore and Perris along the SR-74/79, Lake Matthews, between Wildomar and Murrieta, Temecula and Perris and other similar areas) to correspond with the land use classifications used for cost estimating purposes in the TUMF program. The properties were also determined to be partial or full property takes to determine the relative percentage of each in order to appropriately weight the average cost per square foot of each type of property. Specialty cost percentages as a share of total acquisition costs (i.e. relocation and demolition) were also derived from actual costs based on a sample of the Inland Empire projects that Epic Land Solutions, Inc. was directly involved in and therefore able to obtain reliable data.

The result is an estimated average cost per square foot for ROW acquisition by land use classification which is then multiplied by the number of square feet per lane mile to obtain the required ROW to accomplish the TUMF typical cross section. The ROW requirement is then reduced by a factor of 75% for urban and suburban areas based on the collective recommendation of the PWC during the development of the initial program cost estimation methodology to reflect the assumption that a majority of the proposed TUMF facilities in these areas already exist and/or have a substantial portion of the necessary right-of-way already owned by or dedicated to the responsible jurisdiction. As a result, the TUMF program only includes the estimated cost for 25% of the right-of-way that could potentially be required to accomplish the TUMF cross sections for the conceptual improvement projects identified as part of the program in urban and suburban areas.

Maintenance of Traffic:

A lump sum value is used to account for maintenance of traffic cost of roadway construction. The project maintenance of traffic cost is estimated as 5% (Source: RCTC) of the total project cost.

The consolidated unit cost values include typical per mile or lump sum costs for each of the eligible improvement element. These elements include new roadways, bridge improvements, interchange improvements and railroad grade separation construction costs, and right of way acquisition.

The consolidated unit costs as developed for the 2024 Nexus Update are summarized in **Exhibit F-1**. **Exhibit F-2** provides a summary of the unit costs for the various roadway and structures construction elements defined. **Exhibit F-3** provides a summary of the unit costs for the various right of way categories. **Exhibit F-4** provides worksheets showing the detailed unit cost calculation for each TUMF unit cost category related to roadway and structures construction, and right of way acquisition.

The unit cost assumptions were subsequently applied to the TUMF Network improvements identified to mitigate the cumulative regional transportation impacts of future new development. The resultant cost value was tabulated for each unique segment of the network, by improvement type. A separate cost estimate was generated for regional transit improvements based on information provided by RTA and added to the TUMF Network Cost Estimate table.

Supplemental categories have been added to the cost assumptions to better delineate the costs associated with planning and engineering a project, accommodating contingencies, mitigating the cumulate multi-species habitat impacts of TUMF arterial highway improvements in accordance with the adopted Riverside County Multi-Species Habitat Conservation Plan (MSHCP), and administering the TUMF program.

Soft Costs

The TUMF program provides for planning, engineering and contingency costs (collectively referred to as soft costs) for eligible projects to be reimbursed through the program. As indicated in **Table 4.1**, planning costs are considered to include those costs associated with planning, preliminary engineering and environmental assessment of the proposed project, with the eligible amount being 10% of the estimated TUMF eligible construction cost only. Engineering costs are considered to include project study report, design, permitting and construction oversight costs based on 25% of the estimated eligible construction cost only. Contingency is provided based on 10% of the total estimated eligible facility cost.

Soft costs include all reasonable required planning, environmental clearance and mitigation, right-of-way documentation, engineering design, plan, specification and estimate preparation and construction management and oversight costs necessary to accomplish the project. The estimated soft cost factors for planning, engineering and contingency were initially established in 2002 by the WRCOG Public Works Committee, which was responsible for the development of the initial TUMF Nexus Study. The percentage multipliers were established by consensus of the PWC based on the collective experience of members in delivering similar public highway projects. A review of various data sources indicates the cost factors are generally consistent with industry auidance for conceptual cost estimation purposes. The City of Los Angeles, Department of Public Works, Bureau of Engineering California Multi-Agency CIP Benchmarking Study (December 2016) indicates that combined design and construction management costs for roadway projects represent, on average, 50% of the total cost of construction¹⁴. Similarly, the American Association of State Highway and Transportation Officials (AASHTO) Practical Guide for Estimating (December 2011) also cites the following average multipliers for a range of planning and engineering activities based on national research as a basis for conceptual cost estimation:

⁻

¹⁴ City of Los Angeles, Department of Public Works, Bureau of Engineering California Multi-Agency CIP Benchmarking Study (December 2016), Table 3-6 Average Project Delivery Costs by Project Type (% of TCC) (Full Range of TCC).

- Preliminary Engineering Costs (including survey/data collection, design, environmental, utilities and contract administration) – 10% to 25% of total construction cost¹⁵
- Construction Engineering 10% to 26% of total construction costs¹⁶

Furthermore, the contingency rate utilized in the TUMF program is significantly less than the industry norm for conceptual cost estimation purposes. Specifically, Caltrans *Project Development Procedures Manual* (July 2021) advocates for contingency rates of 30% to 50% of total costs to be used at the project feasibility (conceptual planning) phase of project development¹⁷, with contingency rates reduced to 10% for preliminary engineers cost estimates completed during project design¹⁸.

MSHCP

Section 8.5.1 of the Riverside County Integrated Project (RCIP) <u>Multiple Species Habitat Conservation Plan</u> (MSHCP) adopted by the Riverside County Board of Supervisors on June 17, 2003, states that "each new transportation project will contribute to Plan implementation. Historically, these projects have budgeted 3% - 5% of their construction costs to mitigate environmental impacts." This provision is reiterated in the <u>Western Riverside County Multiple Species Habitat Conservation Plan Nexus Fee Study Update Final Report</u> (Economic & Planning Systems, Inc., October 2020) section "6. RCA Non-Fee Revenues" which states "The MSHCP forecast an array of revenue sources, in addition to fee revenue, supporting the conservation program. These sources were anticipated to total about 44 percent of the revenue for the program, including:

• Transportation funding – includes the Measure A sales tax which is authorized through 2039 and other transportation funding sources such as the Transportation Uniform Mitigation Fees (TUMF) charged on new development." Table 23 Annual Non-Fee Revenue Projection in this section indicates that an average of \$950,000 in MSHCP revenue was derived annually from TUMF during the three years from FY16/17- 18/19 reflecting a TUMF contribution at 5% of construction costs consistent with the MSHCP as adopted in 2003. To clearly demonstrate compliance with the provisions of the MSHCP, the TUMF program will continue to incorporate a cost element to account for the required MSHCP contribution to mitigate the multi-species habitat impacts of constructing TUMF projects.

¹⁵ AASHTO Technical Committee on Cost Estimating (TCCE) AASHTO Practical Guide for Estimating (December 2011), Table 2.4. Preliminary Engineering Costs' Average Percentage Ranges (% of Construction).

¹⁶ AASHTO Technical Committee on Cost Estimating (TCCE) AASHTO Practical Guide for Estimating (December 2011), Section 2.2.3.2.3 Construction Engineering, "highway improvement projects in an urban environment".

 ¹⁷ California Department of Transportation (Caltrans) Division of Design *Project Development Procedures Manual* (July 2021), Chapter 20 – Project Development Cost Estimates, Section 2 – Project Planning Cost Estimates, Article 2 Project Feasibility Cost Estimate, Contingencies.
 ¹⁸ California Department of Transportation (Caltrans) Division of Design *Project Development Procedures Manual* (July 2021), Chapter 20 – Project Development Cost Estimates, Section 3 – Project Design Cost Estimates, Article 4 Preliminary Engineer's Cost Estimate, Contingencies.

An amount equal to 5% of the construction cost for new TUMF network lanes, bridges and railroad grade separations will continue to be specifically included as part of TUMF program with revenues to be provided to the Western Riverside County Regional Conservation Authority (RCA) for the acquisition of land identified in the MSHCP. The relevant sections of the MSHCP document and the 2020 MSHCP Nexus Report are included in this Appendix as **Exhibits F-5** and **F-6**, respectively.

Similarly, an amount of 4% of the total TUMF eligible network cost is included as part of the TUMF program with revenues to be utilized by WRCOG to cover the direct costs to administer the program. The costs incurred by WRCOG include direct salary, fringe benefit and overhead costs for WRCOG staff assigned to administer the program and support participating jurisdictions, and costs for consultant, legal and auditing services to support the implementation of the TUMF program.

Table 4.1 summarizes the unit cost estimate assumptions used to develop the TUMF network cost estimate, including a comparison of the original TUMF unit cost assumptions and the current revised unit cost assumptions developed as part of the 2009 Update of the TUMF Nexus Study. Cost estimates are provided in year of original values as indicated.

EXHIBIT F-5

Riverside County Integrated Project (RCIP) Multiple Species Habitat Conservation Plan (MSHCP) adopted by the Riverside County Board of Supervisors on June 17, 2003

Section 8.0 MSHCP Funding/Financing of Reserve Assembly and Management

8.0 MSHCP Funding/Financing Of Reserve Assembly and Management



8.5 LOCAL FUNDING PROGRAM

The following local funding plan describes the local commitment for funding Reserve Assembly, Management, and Monitoring.

The local funding program includes funding from a variety of sources, including but not limited to, regional funding resulting from the importation of waste into landfills in Riverside County, mitigation for regional public infrastructure projects, mitigation for private infrastructure projects, mitigation for private Development, funds generated by local or regional incentive programs that encourage compact growth and the creation of transit-oriented communities, and dedications of lands in conjunction with local approval of private development projects.

The local funding program will fund the local portion of:

- Land acquisition
- Management
- Monitoring
- Adaptive Management
- Plan administration

8.5.1 Funding Sources

Local funding sources include funding from both public and private developers and regional entities in an effort to spread the financial burden of the MSHCP over a broad base. The mix of funding sources provides an equitable distribution of the cost for local mitigation under the MSHCP. In addition to equitably distributing mitigation for local projects, utilizing a mixture of funding sources will help ensure the long-term viability of the local funding program because a temporary decline in funding from one source may be offset by increases from another. The proposed local funding sources are described below and include:

- Local Development Mitigation Fees
- Density Bonus Fees
- Regional Infrastructure Project Contribution
- Landfill Tipping Fees

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• Other Potential New Revenue Sources

► Local Development Mitigation Fees

New Development affects the environment directly through construction activity and cumulatively through population bases that result from Development. Government Code Section 66000 et seq. allows cities and counties to charge new Development for the costs of mitigating the impacts of new Development. The Cities and County will implement a Development Mitigation Fee pursuant to the MSHCP; this fee will be one of the primary sources of funding the implementation of the MSHCP. The fee ordinance adopted by the Cities and the County will provide for an annual CPI adjustment based upon the Consumer Price Index for "All Urban Consumers" in the Los Angeles-Anaheim-Riverside Area, measured as of the month of December in the calendar year which ends in the previous Fiscal Year. There will also be a provision for the fee to be reevaluated and revised should it be found to insufficiently cover mitigation of new Development. A fee of approximately \$1,500 per residential unit (or an equivalent fee per acre) and \$4,800 per acre of commercial or industrial Development was used in the revenue projection shown in *Appendix B-05* of this document. The projected revenues from the Development Mitigation Fee are anticipated to be approximately \$540 million over the next 25 years. A nexus study is required to demonstrate that the proposed fee is proportionate to the impacts of the new Development.

Density Bonus Fees

The New Riverside County General Plan creates a number of incentive plans that have the potential both to further the goals of the County's General Plan and to facilitate the implementation of the MSHCP. Section 8.4.2 above discusses the use of the Rural Incentive Program to aid in the Conservation of lands through non-acquisition means. An additional component of the Incentive Program enables developers to acquire the right to develop at an additional 25% increase in density by providing enhancements to their projects and by paying a "Density Bonus Fee." The fee is anticipated to be \$3,000 - \$5,000 per additional unit. This program offers a significant incentive to developers when compared with the typical cost of creating a new buildable lot.

The Density Bonus program is new to Riverside County, and it is, therefore, difficult to project annual revenues. The Local Funding Program assumes that between 10% and 20% of the residential units built in the unincorporated County area will participate in the incentive program and that only 50% of the revenues of the program will be committed to the MSHCP, with the remaining portion staying in the local community in which the additional units are located to provide additional

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amenities that will help offset the greater density. Of the 330,000 units projected to be built over the next 25 years, 10% (or 33,000 units) are assumed to be built utilizing the Density Bonus Fee resulting in \$132,000,000 in revenues of which 50% (or \$66,000,000) will be allocated to the MSHCP.

Regional Infrastructure Project Contribution

Regional infrastructure projects directly affect the environment not only through the effect they have on species and their Habitats, but also by facilitating continued new Development. It is appropriate, therefore, for regional infrastructure projects to contribute to Plan implementation . Four general categories of infrastructure projects have been identified:

- Transportation Infrastructure
- Regional Utility Projects
- Local Public Capital Construction Projects
- Regional Flood Control Projects

Transportation Infrastructure

The RCIP has identified the need for approximately \$12 billion in new transportation infrastructure to support the Development proposed for the next 25 years. Each new transportation project will contribute to Plan implementation . Historically, these projects have budgeted 3% - 5% of their construction costs to mitigate environmental impacts. The local funding program anticipates that more than one-half of the \$12 billion cost of contribution to acquisition of Additional Reserve Lands will be funded locally and will result in approximately \$371 million in contribution over the next 25 years as discussed below.

► Riverside County's ½ cent sales tax for Transportation

In 1988, Riverside County voters approved a measure to increase local sales tax by $\frac{1}{2}$ cent to fund new transportation projects (Measure A). The sales tax measure is due to be reauthorized in 2002. Under the reauthorization, \$121 million will be allocated as local contribution under the MSHCP. (For further information on the sales tax measure, see *Section 13.5* of the MSHCP Implementing Agreement and *Appendix B-07* of this document).

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Regional Utility Projects

As Riverside County's population doubles over the next 25 years, new regional utility infrastructure will be required. Since the utilities are not Permittees under the MSHCP, they may choose to mitigate under the Plan or seek their own regulatory permits. In either case, their mitigation will be focused on the objectives of the MSHCP and will contribute to the local implementation funding. No estimate of the number of projects or the scope or costs is available at this time; consequently, no estimate of mitigation funding has been made. The Permittees expect that regional utility projects will contribute to the implementation of the MSHCP and provide an additional contingency should other revenue sources not generate the projected levels of funding or should implementation costs be higher than projected.

Local Public Capital Construction Projects

Local public capital construction projects may include construction of new schools, universities, City or County administrative facilities, jails, courts, juvenile facilities, parks, libraries, or other facilities that serve the public. These projects will be mitigated under the MSHCP and will utilize a per acre mitigation fee based on the fee then in place for private, commercial and industrial Development. No attempt has been made to estimate the number or magnitude of these projects. The Permittees expect that local pubic construction projects will contribute to the implementation of the MSHCP and provide an additional contingency should other revenue sources not generate the projected levels of funding or should implementation costs be higher than projected.

Regional Flood Control Projects

Flood control projects will receive coverage under the MSHCP for both new capital construction and for the maintenance of existing and new facilities. Preliminary estimates from the Riverside County Flood Control and Water Conservation District indicate that they will likely budget approximately \$15 M in projects annually. Based on using 3% of capital costs, the District would be expected to contribute approximately \$450,000 to \$750,000 annually to MSHCP implementation. Since many flood control projects serve existing developed communities and therefore have less impacts than projects adding capacity to serve new Development and may provide some conservation value especially in terms of Constrained Linkages, the District's contributions may average something below the 5% level on average.

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Landfill Tipping Fees

Riverside County has utilized revenues from public and private landfills in Riverside County to generate funding for conservation and open space projects for over a decade. In 1990, the County utilized \$1 per ton tipping fee assessed all waste deposited in County landfills to fund the acquisition of the Santa Rosa Plateau and approximately \$260,000 annually to fund the operation of the County Park and Open Space Districts. More recently, the County has negotiated agreements with two private landfills in the County to commit \$1 per ton on all waste imported from outside Riverside County to Conservation within Riverside County.

El Sobrante Landfill

This privately owned landfill was permitted to expand its capacity to 10,000 tons per day in 2001. In approving the landfill expansion, the Riverside County Board of Supervisors authorized fifty cents per ton of the County's portion of the revenue from the landfill expansion to be applied to Conservation in addition to the \$1 per ton that was committed under the landfill agreement. The projection of the annual tonnage and revenue for Conservation included in *Appendix B-09* of this document reflects the \$1.5 per ton commitment to Conservation. Over the life of the landfill, 60 million tons of imported waste are allowed. Sixty million tons at \$1.5 per ton will generate \$90 million for Conservation. The Cash Flow Analysis in *Appendix B-10* of this document reflects the annual revenues from the El Sobrante Landfill.

County Landfills

The County Board of Supervisors, beginning in 1990, authorized \$1 per ton for all in-county waste deposited in County landfills to go toward habitat and open space Conservation. After adjusting for the debt service on the Santa Rosa Plateau acquisition and an annual commitment to the Park and Open Space District, there is a projected annual balance of \$400,000 that can be applied to additional Conservation under the MSHCP. *Appendix B-09* of this document includes a projection of tonnage from in-County waste at County landfills. The Cash Flow Analysis in *Appendix B-10* of this document reflects the annual revenues from the County landfills. Over the next 25 years, County landfills will contribute approximately \$10 million to the implementation of the MSHCP.

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Eagle Mountain

In 1997, the County approved the use of the old Kaiser mine at Eagle Mountain in eastern Riverside County as a regional landfill to serve primarily Los Angeles County. Subsequently, the Los Angeles County Sanitation District has acquired the rights to the Eagle Mountain Landfill and intends to begin operation of the landfill within the next decade. At this time, litigation is still pending that could prohibit the development of the landfill. The Development Agreement with the County would require the payment of \$1 per ton for Conservation if the landfill is developed. Conservation needs in the Coachella Valley would have first priority over the revenues from the Eagle Mountain Landfill; however, some portion of the revenues would be available to support Conservation needs in Western Riverside County. The Permittees expect that the Eagle Mountain Landfill will provide funding to support implementation of the MSHCP over the life of the MSHCP. However, no revenue from the Eagle Mountain Landfill has been projected in the funding program at this time. These potential revenues provide a contingency should other revenue sources not generate the projected levels of funding or should implementation costs be higher than projected.

Potential New Revenue Sources

The County and Cities may levy assessments to pay for services that directly benefit the property on which the fee is levied. Under current law, a local election may be required to initially levy the assessment or to confirm the assessment if a protest is filed. No such assessments are currently projected for the MSHCP. As the MSHCP Conservation Area is developed, however, its value as open space and for recreation opportunities may lend itself to a local funding program for ongoing management and enhancement. In more urban areas, which Western Riverside County will be in 25 years, local voters routinely approve such funding programs.

Other revenue opportunities may be realized over the next 25 years. The County, Cities, and RCA will explore new revenue sources to support the acquisition of the MSHCP Conservation Area and its long-term management and enhancement. A goal of any new fee would be to spread a portion of the costs for the MSHCP across as broad a regional base as possible.

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TABLE 8-5
LOCAL PUBLIC/REGIONAL FUNDING SOURCES

ponsible Party	Responsible	Requirements to Implement	\$ Range	Source Anticipated
				Private Funding Sources:
County Cities	•	Approval of County Ordinance Approval of City(ies) Ordinance	\$539.6M	Cities and County Development Mitigation Fees
County	County	Approval of General Plan	\$66M	Density Bonus Fees
				Public Funding Sources
CTC/County	RCTC/Cour	Approval of Measure A, local agreement on allocation	\$121M	Local Roads
CTC/County	RCTC/Cour	% of new road construction	\$250M	Other Transportation
y and Cities	County and Cition	Project-by-project negotiation	\$unknown	Other infrastructure Projects
County	County	In place	\$90M	El Sobrante Landfill
County	County	In place	\$10M	County Landfills
County	County	In place pending start-up	\$unknown	Eagle Mountain Landfill
ınty and Cities	County and (Voter approval	\$unknown	New Regional funding
Į	Cou			-

TOTAL LOCAL FUNDS \$1,076.6M

8.6 ADEQUACY OF FUNDING

The Permittees and the Wildlife Agencies will annually evaluate the performance of the funding mechanisms and, notwithstanding other provisions of the MSHCP, will develop any necessary modifications to the funding mechanisms to address additional funding needs. Additionally, this annual evaluation will include an assessment of the funding plan and anticipate funding needs over the ensuing 18 months for the purpose of identifying any potential deficiencies in cash flow. If deficiencies are identified through this evaluation, then the Permittees and the Wildlife Agencies will develop strategies to address any additional funding needs consistent with the terms and conditions of the MSHCP.

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EXHIBIT F-6

Western Riverside County Multiple Species Habitat Conservation Plan Nexus Fee Study Update Final Report Economic & Planning Systems, Inc., October 2020

Final Report

Western Riverside County Multiple Species Habitat Conservation Plan Nexus Fee Study Update

Prepared for:

Western Riverside County Regional Conservation Authority

Prepared by:

Economic & Planning Systems, Inc.

October 2020

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1. Introduction and Key Findings

This Updated Nexus Study (2020 Nexus Study) provides the technical justification for changes to the Local Development Mitigation Fee schedule that applies to Local Permittee participants in the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP or Plan). These changes are necessary to ensure adequate funding of the obligations of the Local Permittees under the MSHCP and the associated Incidental Take Permit and Implementing Agreement. The resulting increased fee revenues will support the continued implementation of the MSHCP and the streamlining of endangered species incidental take permitting for new Western Riverside County development provided under the MSHCP. This Nexus Study is consistent with the requirements of California Government Code 66000 et seq. (the Mitigation Fee Act) that requires specific findings (as well as administration and implementation procedures) for "any action establishing, increasing, or imposing a fee as a condition of approval of a development project by a local agency."

Background

The Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP or Plan), originally adopted in 2004, is a comprehensive, multi-jurisdictional Habitat Conservation Plan (HCP) focusing on the conservation of species and their associated habitats in Western Riverside County. The MSHCP was developed in response to the need for future growth opportunities in Western Riverside County while addressing the requirements of the State and federal Endangered Species Acts. The MSHCP serves as an HCP pursuant to Section 10(a)(1)(B) of the federal Endangered Species Act of 1973 as well as a Natural Communities Conservation Plan under the NCCP Act of 2001. The MSHCP streamlines these environmental permitting processes by allowing the participating jurisdictions to authorize "take" of plant and wildlife species identified within the Plan Area. At the same time, Plan implementation provides a coordinated MSHCP Conservation Area and implementation program to preserve biological diversity and maintain the region's quality of life.

The MSHCP and the associated Implementing Agreement and Incidental Take Permit collectively determine a set of conservation actions that must be taken to meet the terms of the Incidental Take Permit and benefit from the regulatory streamlining and other benefits of the MSHCP. This includes the identification of the responsible parties, including the responsibilities of the Local Permittees. One of the key requirements of the MSHCP, Implementing Agreement, and Incidental Take Permit (consistent with the requirements of the federal Endangered Species Act) is the provision of adequate funding by Local Permittees to the Implementing Entity (the Western Riverside County Regional Conservation Authority²) to conduct their portion of the conservation actions identified in the MSHCP.

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¹ Local Permittees include the Western Riverside cities, the County of Riverside, County Flood Control and Water Conservation District, County Regional Park and Open-Space District, County Department of Waste Resources, and Riverside County Transportation Commission.

² The Western Riverside County Regional Conservation Agency is a Joint Powers Authority established in 2004 to implement the MSHCP.

Section 8.0 of the MSHCP outlines the MSHCP funding/financing approach. It also identified best estimates of Plan implementation costs at the time of Plan adoption, including the local funding commitment that represents a portion of the overall land acquisition, management and monitoring, and Plan administration costs. The Local Funding Program included a mix of funding sources to provide "an equitable distribution of the cost for local mitigation under the MSHCP." The proposed funding sources included Local Development Mitigation Fees (and land dedications), regional infrastructure project public contributions (including contributions to mitigate for transportation infrastructure, regional utility projects, local public capital construction projects, and regional flood control projects), and landfill tipping fees.

Participating cities and the County were each required to implement a Local Development Mitigation Fee under California Government Code Section 66000 et seq. (the "Mitigation Fee Act") and supported by the separate "Final Mitigation Fee Nexus Study Report for the Western Riverside County Multiple Species Habitat Conservation Plan," July 1, 2003 (Original or 2003 Nexus Study). The MSHCP funding chapter notes the need for frequent evaluations of the performance of the funding mechanisms and assessments of the funding plan and the need to make any necessary modifications to the funding mechanisms. The MSHCP also notes that the mitigation fee will need to be "reevaluated and revised should it be found to insufficiently cover mitigation of new development."

In addition to the common practice of updating mitigation fees periodically to account for changing circumstances, the Western Riverside County Regional Conservation Authority (RCA) has determined that significant changes have occurred and/or circumstances have arisen that justify an update to the mitigation fees. These changes include, but are not limited to, the following:

- The need to acquire more land than originally forecast due to the lower than expected land dedication.
- The lower-than-expected levels of non-fee funding from local and regional funding sources.
- The lower than expected levels of residential development.
- The need to diversify land acquisitions away from a focus on the larger, more remote parcels to also acquiring parcels closer to urbanized areas, consistent with the reserve assembly requirements of the MSHCP.

Original and Existing Fee Schedule

All local jurisdictions participating in the MSHCP and obtaining coverage for public and private take in their jurisdictions were required to adopt and implement the 2004 Mitigation Fee Schedule through ordinance and resolution and then to pass through the fee funding (except for any additional administrative charges added by the jurisdictions) to the RCA to fund MSHCP implementation. The ordinances allowed for periodic inflationary increases based on the annual change in the Consumer Price Index for the Los Angeles-Anaheim-Riverside area. In 2018 the Bureau of Labor Statistics implemented a geographic revision, establishing Riverside as its own Core Based Statistical Area. As a result, Riverside was removed from the Consumer Price Index encompassing Los Angeles and Anaheim. Going forward, inflationary increases will be based on the annual change in the Consumer Price Index for the newly established Riverside-San

Bernardino-Ontario area. As outlined in the 2003 Nexus Study (Original Nexus Study), all new development in Western Riverside County is required to pay the mitigation fee.

Table 1 shows the original 2004 Local Development Mitigation Fee schedule and the current 2021 Fee Schedule that reflects periodic inflationary fee adjustments using the indexing process that collectively increased the fees by 35 percent between 2004 and 2020 (this was below the overall inflation index increase over this period).

Table 1 2004 and 2021 MSHCP Fee Schedule

Fee Category	2004 Fee per unit or per acre	2021 Fee per unit or per acre ³
Residential: Up to 8.0 dwelling units per acre (DUAC)	\$1,651	\$2,234
Residential: 8.0-14.0 DUAC	\$1,057	\$1,430
Residential: 14.0+ DUAC	\$859	\$1,161
Commercial (per acre)	\$5,620	\$7,606
Industrial (per acre)	\$5,620	\$7,606

Updated Mitigation Fee Schedules

This 2020 Nexus Study has estimated the increased fee level that would be required to provide sufficient revenues, based on the best available forecasts of future growth, to support the full implementation of the MSHCP, including the completion of all land acquisition and the establishment of the necessary endowment, by 2029 (Year 25 of Plan implementation). Because, as shown below, this would require a major increase in the fee levels, three other scenarios are also considered where different time extensions provide more time for land acquisition. These extensions allow for the costs of Plan implementation (including land acquisitions) to be spread across more development and, as a result, moderate the level of mitigation fee increase required. In addition, the longer extension scenarios require a pace of land acquisition that is more consistent with what has proven to be achievable. All of these fee

³ Note it is RCA procedure to refer to fees during, for example, Fiscal Year 2020/2021, as the 2021 fee. The 2021 fee became effective July 1, 2020, and applies for the fiscal year of 2020-21 (i.e., until June 30, 2021 when the 2022 Fee begins).

⁴ The MSHCP provided a 25-year period of the required land acquisition with the larger 75-year permit term. This is labelled the "No Extension" or "Baseline Scenario" in this Update Study.

⁵ The baseline scenario as well as the extension scenarios assume that all land acquisition as well as the full endowment will be completed/ established by the end of the specified implementation/ land acquisition period. Interest from the non-depleting endowment will fund all ongoing costs thereafter.

increases would be consistent with the Mitigation Fee Act and the MSHCP and associated Incidental Take Permit and Implementing Agreement.

The mitigation fee levels shown for each extension scenario are the fee levels required to cover the appropriate portion of the Local Permittee MSHCP implementation costs based on the best information available at this time. The revised mitigation fee levels reflect changes in estimated costs, expected levels of land dedication, and non-fee funding. Consistent with the MSHCP and Original Nexus Study, it is assumed that all new development in Western Riverside County will pay the mitigation fee because, as noted in the MSHCP, "new development affects the environment through construction activity and cumulatively through population bases that result from such development." Importantly, the revised mitigation fee levels also reflect the decision to determine the mitigation fee that applies to different land uses on a consistent per gross acre basis. This approach is considered to provide a clear, consistent, and proportionate method for determining mitigation fees on new development. The 2020 Nexus Study does convert the overarching per gross acre fee into per unit residential fees for different density ranges; this conversion was conducted to provide implementation/administrative consistency for member jurisdictions.

Table 2 Updated MSHCP Implementation Costs and Per Acre Mitigation Fees

Fee Per Acre	No Extension	5-Year Extension	10-Year Extension	15-Year Extension
Net Cost	\$912,756,583	\$902,353,150	\$892,767,438	\$883,987,805
Acres of Development				
Residential	14,026	21,818	29,611	37,403
Nonresidential	6,239	9,705	13,171	16,637
Total	20,265	31,523	42,782	54,040
Mitigation Fee per Acre	\$45,041	\$28,625	\$20,868	\$16,358

Sources: Southern California Association of Governments; Western Riverside County RCA; Economic & Planning Systems, Inc.

⁶ Consistent with the Original Nexus Study and the technical analysis in this study update (and as described in more detail in the Fee Implementation Handbook), certain types of public improvements/infrastructure projects will make mitigation payments calculated as a percent of total improvement cost. All projects are required to make a mitigation payment/contribution (except where exempted as specified in the Ordinance); where no mitigation payment process is specified, the project will pay the updated per acre mitigation fee.

⁷ This is the approach taken by the majority of regional Habitat Conservation Plans in California, including the Coachella Valley Multiple Species Habitat Conservation Plan mitigation fee.

As shown in **Table 2**, the required mitigation fee per gross acre of development varies substantially based on level of extension as follows:

- **No Extension**. Under the current structure, where all land acquisition must occur by the end of Year 25 of MSHCP implementation (2029), a mitigation fee of **\$45,041 per acre** of development would be required.
- **5-Year Extension**. With a 5-year extension, where all land acquisition must occur by the end of Year 30 of MSHCP implementation (2034), a mitigation fee of **\$28,625 per acre** of development would be required.
- 10-Year Extension. With a 10-year extension, where all land acquisition must occur by the end of Year 35 of MSHCP implementation (2039), a mitigation fee of \$20,868 per acre of development would be required.
- **15-Year Extension**. With a 15-year extension, where all land acquisition must occur by the end of Year 40 of MSHCP implementation (2044), a mitigation fee of **\$16,358 per acre** of development would be required.

For residential development, the per gross acre fee is translated into per residential unit fees by density category to provide for a fee framework that is consistent with the current fee structure. The per residential unit fees are calculated by dividing the per gross acre fee by an assumed typical/ average density for each of the three density ranges (low, medium, and high). The full mitigation fee schedule (for each extension scenario) is shown in **Table 3**, including the per unit residential fees by density category and per gross acre fees for non-residential development. The typical/ average residential densities used to calculate the per-unit residential fees are the same as the density assumptions in the Original Nexus Study.

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⁸ For example, the \$3,635 per unit Residential – Low fee under the 15-year extension is derived by dividing the overall per gross acre mitigation fee of \$16,358 (shown in Figure 2) by the assumed typical/average density of Residential Low of 4.5 units/acre.

⁹ The Fee Implementation Handbook provides more specifics on how to determine a project's residential density and therefore the appropriate per unit residential fee that applies.

Table 3 Updated Mitigation Fee Schedule by Extension Scenario

Fee Per Unit	Current Fee	No	5-Year	10-Year	15-Year
	2021 ¹	Extension	Extension	Extension	Extension
Residential - Low (Up to 8.0 DUAC) ²³ Residential - Medium (8.0-14.0 DUAC) ²³ Residential - High (14.0+ DUAC) ²³	\$2,234	\$10,009	\$6,361	\$4,637	\$3,635
	\$1,430	\$4,170	\$2,650	\$1,932	\$1,515
	\$1,161	\$1,846	\$1,173	\$855	\$670
Commercial / Industrial (per acre)	\$7,606	\$45,041	\$28,625	\$20,868	\$16,358

^{1.} Western Riverside County Multiple Species Conservation. Local Development Mitigation Fee Schedule for FY 2020-21 (Effective July 1, 2020 – June 30, 2021), annually adjusted using the Consumer Price Index.

Sources: Southern California Association of Governments; Western Riverside County RCA; Economic & Planning Systems, Inc.

Key Drivers of Fee Change

The change in Local Development Mitigation Fee is the result of a number of different contributing factors ("moving parts"), fully documented and detailed in **Chapters 2** through **7**. This Nexus Study is based on the most current information available including, for some inputs, recent years of experience from MSHCP implementation. The factors that have had the most significant effect on the Local Development Mitigation Fee calculations are summarized below.

1. Lower-than-expected land dedications substantially increase the Local Permittee habitat acquisition cost component of MSHCP implementation. The MSHCP assumed that 41,000 of the 97,000 acres (42 percent) to be conserved by Local Permittee action/funding would be provided at no cost through land dedication associated with development inside the Criteria Cells. Through the first sixteen years of Plan implementation, less than 1,000 acres of the Local Permittee habitat conservation obligations have been generated through these dedications. An additional 10,000 acres of land dedication requirements have been required as part of proposed developments that have yet to occur. Beyond the dedication associated with previously proposed projects, additional land dedication is not expected. ¹⁰ As a result, the 2020 Nexus Study assumes the noted 10,000 acres of land dedication is formalized over the next eight years (an average annual land dedication of 1,250 acres per year) prior to the end of the current land acquisition period. No additional land dedication is assumed, even if the acquisition period is extended. As a result, at the end of the current habitat acquisition period (Year 25 of Plan)

^{2.} Per acre mitigation fees translated into per unit fees based on the following residential densities: for low density, 4.5 units per acre; for medium density, 10.8 units per acre; for high density, 24.4 units per acre, consistent with the assumptions used in Appendix E of the original Nexus Study.

^{3.} DUAC stands for Dwelling Units per Acre.

¹⁰ In September 2016, the RCA revised its fee credit and waiver policy, limiting the likelihood of projects paying fees and dedicating land.

implementation), total land dedication is expected to represent about 11,000 acres and about 11 percent of the Local Permittee land conservation requirement. The RCA therefore needs to directly acquire an additional 30,000 acres of land relative to the expectations of the Original Nexus Study.

- 2. Lower than expected regional infrastructure public contributions have reduced the non-fee funding available, increasing the costs to be funded through the mitigation fee. The MSHCP assumed a substantial level of funding from regional infrastructure project public contributions, including transportation infrastructure, regional utility projects, local public capital construction projects, and regional flood control projects, as well as from landfill tipping fees. While the Measure A sales tax has provided substantial funding as expected, other revenue sources, on aggregate, have provided (and are expected to continue to provide) substantially less funding than forecast in the 2003 Nexus Study. As a result, mitigation fees will need to cover about 91 percent of Local Permittee MSHCP implementation costs relative to the original assumption of about 56 percent.
- 3. The change towards a consistent "per gross developed acre" fee basis provides a more consistent approach for all land use development types. The 2003 Nexus Study used an "Equivalent Benefit Unit" approach to distributing mitigation costs between different land use categories. This Nexus Study adjusts the fee calculation to the more commonly used per gross acre basis. Under this approach, the new Local Development Mitigation Fees are all based on one "across the board" per gross acre fee determination. Non-residential development then pays this per acre fee, while per unit residential fees by density category are derived from this common per gross acre fee. ¹¹ This change evens out some of the prior differences in mitigation fee levels.
- 4. The estimates of average per acre land values have not changed substantially, so they have had a limited effect on the change in mitigation fees. The original MSHCP implementation cost estimate was based on an average land value of about \$13,100 per acre. This was based on research on land transactions of parcels with different land use designations and sizes in 2001/2002. The land valuation analysis conducted for this Nexus Study estimated a planning-level land value of about \$14,300 per acre based on land transactions primarily in the 2014 to 2017 period (inflated to 2019-dollar terms). As a result, land value estimates have not changed substantially in nominal dollar terms since the Original Nexus Study. This estimated per acre land value is above the cost of most RCA transactions to date, though the average land values of future RCA land acquisition are expected to increase due to the increasing need to purchase more expensive land in "linkage" areas.

¹¹ Similar to the Original Nexus Study, all new development in Western Riverside County is required to pay the mitigation fee (or otherwise provide the necessary mitigation). The conversion from per gross acre to per unit fees for residential development is conducted to provide administrative continuity for member agencies.

Organization of Report

This Nexus Study includes several chapters. Chapter 1, this chapter, describes the purpose and need for this Nexus Study, the recommended changes in the Local Development Mitigation Fee, and the key drivers of these changes. Chapters 2 through 7 provide the technical analysis that supports the updated fees and nexus findings. Chapter 2 summarizes the purpose of and basis for the MSHCP, the conservation requirements of the MSHCP, and the financing strategy and approach developed to implement the MSHCP in 2004. Chapter 3 describes the conservation achievements to date, identifies the remaining conservation requirements, and identifies expected land dedication. Chapter 4 provides the development forecast used in the calculation of the updated mitigation fees. Chapter 5 provides the estimates of MSHCP implementation costs, including land acquisition, management and monitoring, program administration, and endowment. Chapter 6 describes the historical levels of non-fee revenues available to help fund Local Permittee MSHCP implementation costs. Chapter 7 brings together the technical analysis in Chapters 2 through 6 to estimate the updated 2020 Local Development Mitigation Fees. Chapter 8 provides the nexus findings required under the Mitigation Fee Act as require to establish the updated fees. Finally, Chapter 9 highlights some of the administration and implementation requirements under the Mitigation Fee Act, recognizing that the Fee Implementation Handbook provides more specific guidance to the RCA and its partner agencies on the implementation of the mitigation fee program.

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MSHCP Purpose, Basis, and Goals

In response to the need to maintain future growth opportunities in Western Riverside County while addressing the requirements of the state and federal Endangered Species Acts, the County and the Riverside County Transportation Commission initiated the Riverside County Integrated Project (RCIP) in 1999. The Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP) is one part of the RCIP that includes:

- Updated County General Plan. Addresses the required general plan elements such as land use, circulation, housing and open space, and conservation and includes programs to implement the MSHCP, enhance transit alternatives, and encourage development of mixeduse centers.
- Community and Environment Transportation Acceptability Process. Identifies future transportation corridors in Western Riverside and provides needed environmental documentation to allow preservation of future right-of-ways.
- **MSHCP**. The Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP or Plan) is a comprehensive, multi-jurisdictional Habitat Conservation Plan (HCP) focusing on the conservation of species and their associated habitats in Western Riverside County. The MSHCP conserves vulnerable plant and animal species and their associated habitats in Western Riverside County and supports economic development.

The MSHCP was adopted in 2003 by the Riverside County Board of Supervisors. Subsequently, all of the Western Riverside cities, the County of Riverside, County Flood Control and Water Conservation District, County Regional Parks and Open-Space District, County Department of Waste Resources, Riverside County Transportation Commission, California Department of Transportation, California Department of Parks and Recreation, California Department of Fish and Game, the US Fish and Wildlife Service and the RCA signed an Implementing Agreement for the MSHCP. The Implementing Agreement includes terms to ensure MSHCP-implementation, defines remedies and recourses should any of the parties of the Agreement fail to perform obligations, and provides assurances that, as long as the MSHCP is being implemented, the Wildlife Agencies will not require additional mitigation from the Permittees. 12

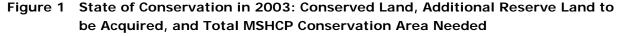
The MSHCP serves as an HCP pursuant to Section 10(a)(1)(B) of the federal Endangered Species Act of 1973 as well as a Natural Communities Conservation Plan under the NCCP Act of 2001. The MSHCP streamlines these environmental permitting processes by allowing the participating jurisdictions to authorize "take" of plant and wildlife species identified within the Plan Area. At the same time, Plan implementation provides a coordinated MSHCP Conservation Area and implementation program to preserve biological diversity and maintain the region's quality of life.

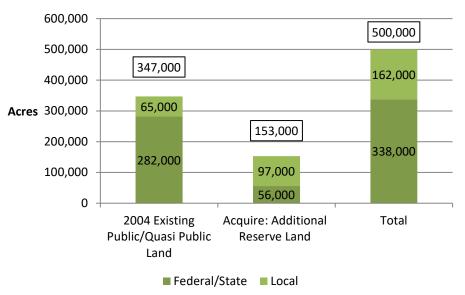
¹² The Wildlife Agencies include the US Fish and Wildlife Service and the California Department of Fish and Wildlife and the Permittees include all of the other parties to the Implementing Agreement.

The MSHCP and the associated Implementing Agreement and Incidental Take Permit collectively determine a set of conservation actions, and the associated responsible parties, that must be taken to meet the terms of the Incidental Take Permit and benefit from the regulatory streamlining and other benefits of the MSHCP. This includes the identification of the responsibilities of the Local Permittees.¹³

MSHCP Conservation Requirements

The goal of the MSHCP is to enhance and maintain biological diversity and ecosystems processes while allowing future economic growth. The MSHCP calls for an MSHCP Conservation Area of 500,000 acres and focuses on the conservation of 146 species.





As shown in **Figure 1**, when the MSHCP was adopted, existing public and quasi-public conservation lands covered 347,000 acres, leaving a need for 153,000 acres of land, called Additional Reserve Land (ARL), to meet the goals of the MSHCP (see **Figure 1**). The MSHCP specifies that responsibility for the conservation of the 153,000-acre Additional Reserve Lands is shared by the local development process (97,000 acres) and state and federal purchases (56,000).

¹³ Local Permittees include the Western Riverside cities, the County of Riverside, County Flood Control and Water Conservation District, County Regional Park and Open Space District, County Department of Waste Resources, and Riverside County Transportation Commission.

Table 4 MSHCP Goals by Area Plan

Area Plan	Total Area of Criteria Cells	Low End of Goal	High End of Goal	Midpoint
Cities of Riverside and Norco	1,756	90	240	165
Eastvale	665	145	290	220
Elsinore	28,946	11,700	18,515	15,110
Harvest Valley / Winchester	820	430	605	515
Highgrove	1,452	345	675	510
Jurupa	5,476	890	1,870	1,380
Lake Mathews / Woodcrest	11,673	3,215	5,470	4,340
Lakeview / Nuevo	14,682	6,650	10,235	8,445
Mead Valley	7,703	1,885	3,635	2,760
Reche Canyon / Badlands	26,000	10,520	15,610	13,065
REMAP	78,423	41,400	58,470	49,935
San Jacinto Valley	32,828	11,540	19,465	15,500
Southwest Area	66,076	22,500	36,360	29,430
Sun City / Menifee Valley	2,059	1,120	1,585	1,355
Temescal Canyon	10,007	3,485	5,800	4,645
The Pass	22,652	8,540	13,925	11,230
Total	311,218	124,455	192,750	158,605

The MSHCP includes methods to determine whether the goals of the Plan are being met. One of the methods is measuring the extent to which conservation acquisitions are moving toward acquisition goals by each Area Plan. ¹⁴ Area Plans are established in the County's General Plan and are used in the MSHCP as a common geographic unit in Western Riverside County. The MSHCP established low, high, and midpoint acquisition goals for each Area Plan based on biological needs. The midpoint acquisition goals for each Area Plan range from 165 to nearly 49,935 acres, as shown in **Table 4**. The midpoint goals sum to 158,605 which represents 5,605 acres more than are needed to fulfill the MSHCP goals. As a result, acquisitions in some Area Plans can fall below the mid-point targets while the total ARL can still achieve the 153,000-acre goal.

MSHCP Financing Strategy

One of the key requirements of the MSHCP, Implementing Agreement, and Incidental Take Permit (consistent with the requirements of the federal Endangered Species Act) is the provision of adequate funding by Local Permittees to the Implementing Entity (the Regional Conservation Authority) to conduct the conservation actions identified in the MSHCP as the responsibility of the Local Permittees.

¹⁴ Other geographic units include Rough Steps, city jurisdictions, and Area Plan subunits. For the purposes of this analysis, Area Plans have been selected as the primary unit of analysis because they are the middle-sized unit (smaller than Rough Steps and larger than Area Plan subunits) and have not changed over time (unlike jurisdictions, several of which have incorporated since the adoption of the MSHCP.

Section 8.0 of the MSHCP addresses "MSHCP Funding/Financing of Reserve Assembly and Management." This section provides best estimates of Plan implementation costs at the time of Plan adoption, including the local funding commitment – the portion of Plan implementation costs that represents the Local Permittees' portion of the overall land acquisition, management, monitoring, adaptive management, and Plan administration costs. Section 8.5 describes the Local Funding Program. The Local Funding Program included a mix of funding sources to provide "an equitable distribution of the cost for local mitigation under the MSHCP." The proposed funding sources included Local Development Mitigation Fees, density bonus fees, regional infrastructure project public contributions (including transportation infrastructure, regional utility projects, local public capital construction projects, and regional flood control projects), and landfill tipping fees. Key components of the overall MSHCP implementation and funding strategy are highlighted below:

- The Regional Conservation Authority would implement the MSHCP with funding from different sources.
- The permanent protection of 97,000 acres in Additional Reserve Lands by Year 25 of the Plan (2029) would be achieved through direct purchase of habitat lands by the RCA using local funding and through the HANS dedication process.¹⁵
- Local funding sources would fund the ongoing management and maintenance costs of the local portion of the Additional Reserve Lands acquired through local funding (97,000 acres by end of acquisition period).
- Local funding sources would fund monitoring activities on the pre-Plan local conservation and all the new Additional Reserve Lands (500,000 acers by end of acquisition period).
- The permanent protection of 56,000 acres in Additional Reserve Lands by Year 25 would be achieved using state/federal funding sources or contributions.
- State and federal funding sources would fund the management and maintenance costs of the State/federal portion of the required Additional Reserve Lands.
- Local Development Mitigation Fees (on private development) would fund the Local Permittee MSHCP implementation costs that were not funded by other local/regional funding sources or public contributions for public development project mitigation.
- The overall permit period was set at 75 years. Once habitat acquisition was completed by Year 25, remaining funds along with newly created revenue sources were to be used to fund

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¹⁵ Section 6.1.1 of the MSHCP describes the HANS process. The Habitat Evaluation and Acquisition Negotiation Strategy (HANS) process applied to any property owner applying for a discretionary permit for land within a Criteria Area/Criteria Cell. Under the process, the County determined whether portions of the property are needed for conservation and then may send their evaluation to the RCA for Joint Project Review (JPR). During JPR, the project applicant negotiated the terms of the development and conservation of the project. The applicant also paid fees on the new development. This approach was refined when a new fee credit policy, adopted in 2016, provided for fee credits where appropriate lands are dedicated.

monitoring and management as well as to fund the establishment of an endowment to cover ongoing post-permit costs (beyond Year 75).

Importantly, the MSHCP funding chapter notes that frequent evaluations of the performance of the funding mechanisms and assessments of the funding plan will occur and that any necessary modifications to the funding mechanisms will be developed.

MSHCP Implementation Costs and Funding Sources

The original estimated costs and proposed funding sources were documented in the MSHCP and are summarized in **Table 5**. These were developed based on research and analysis conducted as part of MSHCP development.

As shown, Plan implementation costs over the first 25 years of implementation were estimated at about \$950 million in 2004-dollar terms. Key assumptions driving the implementation cost estimates included:

- **Dedications**. Direct acquisition using local funding sources would be required to acquire 56,000 acres, with 41,000 acres (or 42 percent) of the required local habitat protection coming through HANS dedication.
- Land Cost. Average land value of \$13,100 per acre for Additional Reserve Lands purchased by the RCA.
- Management and Monitoring: Management and monitoring costs included three key components as follows: Reserve Management, Adaptive Management, and Biological Monitoring.¹⁶
- Program Administration. RCA program administration costs would average about \$1.2 million each year in 2004 dollars during the 25-year period where land acquisition was required.
- **Cost Distribution**. Overall, land acquisition costs were estimated at 77 percent of total implementation costs, with management and monitoring at 20 percent, and program administration at 3 percent (see **Figure 2**).

¹⁶ See Chapter 5 of the MSHCP for a description of these activities.

Table 5 2004 Estimates: MSHCP Implementation Costs and Funding Sources

ltem	Total for 2004 - 2028 (Years 1 - 25)	Average Annual	% of Total Cost/ Funding Need
Local Permittee Land Requirements		7 1111 1111	r anamy noou
Preservation Requirement	97,000 acres	3,880 acres	na
HANS Dedication	41,000 acres	1,640 acres	na
Local Permittee Acquisition	56,000 acres	2,240 acres	na
Local Permittee MSHCP Implementa	ation Costs		
Land (1)	\$733,600,000	\$29,344,000	76.91%
Management & Monitoring	\$190,200,000	\$7,608,000	19.94%
RCA Staff	\$30,000,000	\$1,200,000	3.15%
Other Costs	na	na	na
Endowment	not included	not included	na
Total Costs	\$953,800,000	\$38,152,000	100.0%
Local Revenues			
Private Development Mitigation Fees	\$539,600,000	\$21,584,000	50.1%
Density Bonus Fees	\$66,000,000	\$2,640,000	6.1%
Regional Transportation Infra. (2)	\$250,000,000	\$10,000,000	23.2%
_ocal Roads (Measure A)	\$121,000,000	\$4,840,000 (3)	11.2%
Tipping Fees (4)	\$100,000,000	\$4,000,000	9.3%
Miscellaneous Revenues (5)	<u>\$0</u>	<u>\$0</u>	0.0%
Total Revenues	\$1,076,600,000	\$43,064,000	100%

⁽¹⁾ Average land value per acre assumed to be \$13,100 per acre.

Source: Chapter 8 of MSHCP; Economic & Planning Systems.

⁽²⁾ Public contributions at specificed % of new road construction.

^{(3) \$121} million to be provided over 10 years, so \$12.1 million annually over that period.

⁽⁴⁾ Includes \$90 million from El Sobrante Landfill and \$10 million from other County landfills.

⁽⁵⁾ Other potential revenues, including public contributions from other public projects, tipping fees from Eagle Mountain Landfill, and potential new voter-approved regional funding were noted but not estimated.

Mangmnt. RCA Staff, & \$1.2 , 3%

Monitoring \$7.6 , 20%

\$38.1 million total

Land, \$29.3, 77%

Figure 2 MSHCP Estimated Annual Costs in Millions, 2004 Dollars

As also shown in **Table 5**, MSHCP funding from local/regional sources was estimated to be about \$1.0 billion in 2004 dollars through Year 25, sufficient to cover the implementation costs over this period. Key assumptions driving the funding estimates included:

- **Measure A**. Measure A (local sales tax transportation funding measure) would provide \$121 million over 10 years in 2004-dollar terms.
- **Regional Transportation Funding**. Public contributions from regional transportation infrastructure projects would provide an average of \$10 million each year or \$250 million through Year 25.
- **Tipping Fees**. Landfill tipping fees would provide about \$100 million in revenue over 25 years, about \$4 million each year, primarily from the El Sobrante landfill.
- **Mitigation Fees**. Private development fees, including private development mitigation fees and density bonus fees, would generate over \$600 million over the first 25 years, about \$24 million annually.
- **Development Forecast and Participation**. The forecast of private development fees was based on a preliminary fee schedule and the forecast of 336,000 new residential units (13,440 units each year) and 371 acres each year of commercial and industrial development. All new development was assumed to pay the private development mitigation fee with a portion paying the density bonus fee.
- Other Funding Options. Potential additional funding might come through contributions from other local/regional public entities, other landfills, or new voter-approved funding initiatives.
- **Funding Distribution**. Overall, about 55 percent of the estimated funding was expected to be generated by private development fees, with 45 percent from other funding sources.

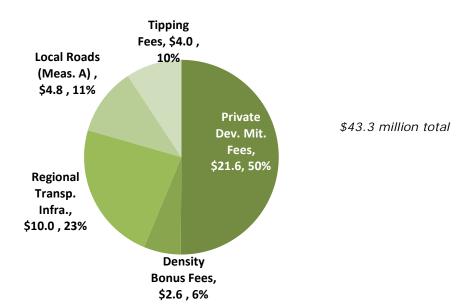


Figure 3 MSHCP Estimated Annual Revenues in Millions, 2004 Dollars

Development Mitigation Fees and Calculation

The MSHCP notes that "new development affects the environment directly through construction activity and cumulatively through population bases that result from Development." As a result, the cities and County are required to implement a Local Development Mitigation Fee that was expected to represent one of the primary sources of funding for the implementation of the MSHCP. The MSHCP indicates that the Local Development Mitigation Fee will be adopted under California Government Code Section 66000 et seq. (the "Mitigation Fee Act") that "allows cities and counties to charge new development for the costs of mitigating the impacts of new development."

The MSHCP identified preliminary estimates of Local Development Mitigation Fees and indicated that these mitigation fees were expected to generate the majority of funding for Local Permittee obligations. The MSHCP noted that, under the Mitigation Fee Act, "a nexus study is required to demonstrate that the proposed fee is proportionate to the impacts of new development." The Mitigation Fee Act also includes a number of reviewing and reporting requirements. The MSHCP also notes that the fee will need to be "reevaluated and revised should it be found to insufficiently cover mitigation of new development."

A nexus study entitled "Final Mitigation Fee Nexus Study Report for the Western Riverside County Multiple Species Habitat Conservation Plan" was completed on July 1, 2003 (2003/Original Nexus Study). This nexus study conducted a detailed analysis of the costs of implementing the Plan, identified the Local Permittee funding obligations, determined the portion to be funded through the Local Development Mitigation Fee, and made the necessary nexus findings under the Mitigation Fee Act. The MSHCP and 2003 Nexus Study both indicated that all new development in the Western Riverside County Plan Area affects covered species and habitat and so the Local Development Mitigation Fees would apply to all new development in participating jurisdictions in Western Riverside County.

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Mitigation Fee Schedule and Adjustments

All local jurisdictions participating in the MSHCP and obtaining coverage for public and private take in their jurisdictions were required to adopt and implement this mitigation fee schedule through ordinance and resolution and then to pass through the fee funding (minus any additional administrative charges) to the RCA to fund MSHCP implementation. Indexed-increases based on the annual change in the Consumer Price Index for the Los Angeles-Anaheim-Riverside area were provided for in the ordinances to allow modest adjustments in mitigation fees to respond to inflationary cost increases. Due to the geographic revision implemented by the Bureau of Labor Statistics, going forward indexed-adjustments will be based on the annual change in the Consumer Price Index for the Riverside-San Bernardino-Ontario area.

Table 6 shows the original 2004 Local Development Mitigation Fee schedule and current 2021 Fee schedule that reflects periodic inflationary fee adjustments using the indexing process.

Table 6 2004 and 2021 MSHCP Fee Schedule

Fee Category	2004 Fee per unit or per acre	2021 Fee per unit or per acre
Residential: Up to 8.0 dwelling units per acre (DUAC)	\$1,651	\$2,234
Residential: 8.0-14.0 DUAC	\$1,057	\$1,430
Residential: 14.0+ DUAC	\$859	\$1,161
Commercial (per acre)	\$5,620	\$7,606
Industrial (per acre)	\$5,620	\$7,606

3. HABITAT PROTECTION TO DATE AND FUTURE CONSERVATION SCENARIO

The RCA has achieved substantial levels of habitat protection to date using the funding sources established and the associated variable flows of incoming revenues. The level of habitat protection achieved, because of lower levels of funding and land dedication than expected, has however fallen behind the pace of protection forecast in the Original Nexus Study. This chapter summarizes the achieved protection to (1) establish both the scale of future acquisitions required to meet the overall Additional Reserve Land (ARL) goals, (2) consider the annual pace of habitat protection through acquisitions and dedications in absolute terms and relative to the original MSHCP forecasts, and (3) inform the development of the Conservation Scenario that forms the baseline (project description) for estimating future MSHCP implementation costs and associated funding requirements and updated mitigation fees.

Habitat Protection Accomplishments Through 2019

Between the start of the MSHCP program and the end of 2019, the most recent full calendar year, about 40 percent of the 153,000-acre ARL target has been achieved, totaling almost 62,000 acres in acquisitions, easements, or dedications (see **Table 7**). ¹⁷ As shown of the 97,000 acres in Local Permittee ARL obligation about 40,200 acres had been protected by the end of 2019. Of the 56,000 acres in State/Federal ARL obligation, about 21,600 acres have been protected to date.

Table 7 Conservation Through End of 2019

Party	Need	Conserved 2000-2003	Conserved 2004 - 2019	Total Conserved 2000 - 2019	Remaining Need 2020-2043
Local	97,000	4,531	35,681	40,212	56,788
State + Fed	56,000	12,408	9,200	21,608	34,392
Total	153,000	16,939	44,881	61,820	91,180

Sources: Western Riverside County Regional Conservation Authority MSHCP Annual Reports; RCA information on 2019 purchases; Economic & Planning Systems, Inc.

Conservation Goals and Progress

The MSHCP anticipated that acquisition would take place for 25 years, through the end of 2029, with 97,000 acres conserved through local means and 56,000 acres conserved with State/federal funding. To achieve this goal, an average of 6,120 acres of conservation is required each year,

¹⁷ Note that while the MSHCP was adopted in 2004, certain conservation which took place between 2000 and 2003 was counted toward the MSHCP reserve.

including an average of 3,880 annually from local funding sources/dedications and 2,240 annually from State and federal conservation.

Figure 4 illustrates how steady progress would result in achievement of the ARL goals by 2029. **Figure 5** shows actual progress toward the goals, through 2019. More than 21,000 acres have been conserved through State/federal means, and over 40,000 acres have been conserved through local actions. These totals sum to about 40 percent of the total ARL goal of 153,000 acres. As shown in **Figure 5**, with 16 years of the 25-year acquisition period completed, the ARL acquisitions have fallen behind the pace forecast in the Original Nexus Study. Protection through the end of 2019 represents 63 percent of the original forecast (65 percent for Local obligations and 60 percent for State/federal obligations). For the Local Permittee obligations, as discussed further below, the lower level of land dedication relative to the original forecasts account for much of the habitat protection gap that has emerged over the last 16 years.

Figure 4 MSHCP Conservation Goals, 2019 and 2029 Goals Highlighted

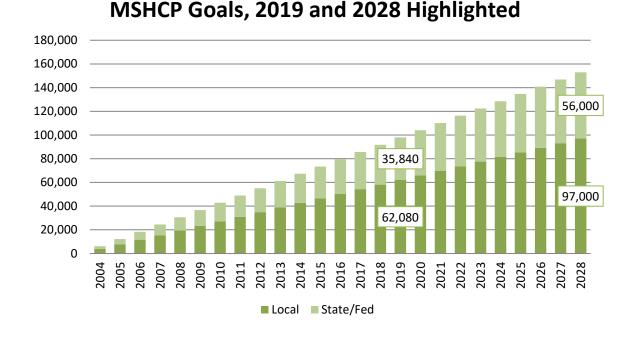




Figure 5 Progress Towards ARL Through End of 2019

Sources: Western Riverside County Regional Conservation Authority; Economic & Planning Systems, Inc.

Land Dedications

The MSHCP envisioned a conservation program where land and easements would be purchased by the RCA and land would be dedicated to the RCA through the development process. ¹⁸ In addition, the potential for no-cost and low-cost donations for tax benefit purposes was also created. The MSHCP did not assume donations or conservation easement acquisitions as part of its financial analysis (this is appropriate given the limited number of such transactions). The MSHCP did, however, anticipate that 41,000 acres would be conserved through dedications, 56,000 acres through purchases on behalf of local permittees, and 56,000 acres through purchases conducted by or funded by federal and State agencies/sources for a total of 153,000 acres.

For the local portion of the goal (97,000 acres), this translates into about 42 percent of the goal conserved via dedications associated with the development review process—called Habitat Evaluation and Acquisition Negotiation Strategy (HANS)—and the other 58 percent purchased by the RCA from willing sellers. The level of dedication is a key assumption for the MSHCP implementation cost estimate as each acre dedicated through HANS is one fewer acre which must be conserved through land acquisitions at market values.

The HANS process was established to apply to developments proposed within the Criteria Cells of the MSHCP Study Area. The Criteria Cells represent areas with high conservation values relative to the areas outside of the Criteria Cells. The HANS process was designed to indicate what conservation (dedication) may be needed from new development from a biological needs

¹⁸ This process is known as the Habitat Evaluation and Acquisition Negotiation Strategy (HANS).

perspective. Subsequent to that technical analysis, applicants could then proceed to the Joint Project Review (JPR) process during which the parties negotiate an implementation plan for the project, consistent with the HANS findings. The applicants would also pay mitigation fees on the actual development. To date, a modest amount of land (less than 1,000 acres) has been conserved via the HANS/JPR method compared to the 26,000 acres that was forecast to have occurred by this point in the MSHCP implementation.

While very little land has been dedicated to the RCA through HANS/JPR, several projects went through the HANS/JPR process and have agreements in place for dedication/conservation of lands, but the start date (if any) for these projects is unknown (i.e., may be far in the future). These projects cover about 35,000 acres in the Criteria Cells and, under the JPR agreements, have set aside about 30 percent of that total or about 10,000 acres for conservation/dedication.

The adoption of Resolution No. 2016-003 in September 2016 revised the RCA's fee credit and waiver policy. This resolution indicated that MSHCP fee credit should be provided in exchange for land that contributes to reserve assembly. As a result, after the adoption of this resolution, new development is not be expected to pay mitigation fees and dedicate land in the manner originally envisioned in the MSHCP limiting the likelihood of the types of dedications envisioned in the Original Nexus Study.

Future Conservation Scenario

This updated financial analysis, nexus study, and mitigation fees estimate require a base description of the additional habitat protection required. In subsequent chapters, cost estimates are developed in reference to, and in application to, this conservation scenario to develop the overall implementation costs and the associated funding required, both in aggregate and through time during the land acquisition period of the program. Four questions are of particular importance:

- 1. **Remaining Habitat Protection.** The amount of habitat protection required to meet the MSHCP requirements.
- Dedications. The amount of land dedication assumed to occur through the HANS/JPR process over the habitat protection period and the associated amount of habitat that must be acquired.
- 3. **Time Frame.** The period over which habitat protection goals must be met.
- 4. **Land Characteristics.** The characteristics of the land to be protected to meet MSHCP requirements (e.g., goals by Area Plan, habitat cores and linkages etc., land use designations and parcel sizes).

The answers to question 1 are provided in the data above (see **Table 7**). The answer to question 4 is provided in the subsequent chapter on land costs, with illustrative answers coming from RCA data and GIS analysis. The answer to question 2 is addressed below and is based on information on accomplishments to date (described above), discussions with RCA staff, the current Fee Waiver and Credit Policy, and an assessment of realistic opportunities and expectations. Finally, question 3 raises the issue of whether an extension to the MSHCP land acquisition implementation period should be provided. As described below, three different

extension scenarios (5-, 10-, and 15-year extension scenarios) are evaluated, as well as the baseline, "No Extension Scenario," to indicate the outcomes under different scenarios.

Habitat Protection, Land Dedication, and Conservation Scenarios

As shown in **Table 8**, there is a total of about <u>91,200 acres</u> of land protection still required to complete the land protection obligations under the MSHCP and to bring the Additional Reserve Lands to 153,000 acres. Of this, the State/federal requirements is for about <u>34,400 acres</u>, while the Local Permittee requirement is for about <u>56,800 acres</u>.

The experience of the last 16 years indicates that the MSHCP was overly optimistic in terms of land dedications, assuming that 41,000 acres would be dedicated to the RCA. As noted above, about 10,000 acres of potential future land dedication is associated with a range of previously proposed projects. Based on historical information on actual, dedications agreements on proposed projects, current RCA policy, and consultations with RCA staff, minimal additional dedication is expected or assumed. This analysis, therefore, assumes that the prior agreement concerning dedications, summing to about 10,000 acres, will be secured over the next eight years and prior to the end of the current habitat protection period. Even if the implementation period were extended, no extra land dedication is forecast to occur.

As a result, and as shown in **Table 8**, a total of about <u>46,800 acres</u> of Additional Reserve Land acquisition is required by Local Permittees for MSHCP implementation once the forecast of dedications is incorporated. As shown in **Table 8**, the required average annual pace of habitat protection varies considerably under the different acquisition period extension scenarios, as described below: ¹⁹

- Baseline/No Extension Scenario. As currently structured, RCA is required to complete land acquisition by the end of Year 25 of Plan implementation in 2029. This provides nine (9) years to protect the 47,000 acres through direct land acquisition (distinct from the assumed dedications), an average annual acquisition pace of about 5,200 acres each year.
- **5-Year Extension.** With a 5-year extension to the acquisition period, the RCA would be required to complete land acquisitions by the end of Year 30 of Plan implementation in 2034. This provides fourteen (14) years to protect the 47,000 acres through direct land acquisition (distinct from the assumed dedications), an average annual acquisition pace of about 3,300 acres each year.
- 10-Year Extension. With a 10-year extension to the acquisition period, the RCA would be required to complete land acquisitions by the end of Year 35 of Plan implementation in 2039. This provides nineteen (19) years to protect the 47,000 acres through direct land acquisition (distinct from the assumed dedications), an average annual acquisition pace of about 2,500 acres each year.

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¹⁹ As a point of reference, the historical pace of Local Permittee-driven habitat protection has been somewhat above 2,000 acres each year with availability of funding being an important determinant of the pace of acquisition. The pace of State/federal-driven acquisition has averaged about 1,000 acres each year.

• **15-Year Extension.** With a 15-year extension to the acquisition period, the RCA would be required to complete land acquisitions by the end of Year 40 of Plan implementation in 2044. This provides twenty-four (24) years to protect the 47,000 acres through direct land acquisition (distinct from the assumed dedications), an average annual acquisition pace of about 2,000 acres each year.

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Table 8 Required Acquisition Acres to Achieve ARL Goals

		2020-End of		Annual	
	- 1 1 0040	Acquisition	Years	Conservation	
Entity/Item	Through 2019	Period	Remaining	Acres Required	Total Acres
	NO	EXTENSION			
State/Federal	21,608	34,392	9	3,821	56,000
Local					
HANS Dedication (1)	715	10,000	9	1,111	10,71
Net Local Acquisition	39,497	46,788	9	5,199	86,28
Total Local Conservation	40,212	56,788	9	6,310	97,000
State/Federal + Local = ARL Goal	61,820	91,180	9	10,131	153,000
	5 YEA	R EXTENSION			
State/Federal	0.127		14	2,457	56,000
				,	•
Local					
HANS Dedication	See al	bove	14	714	10,715
Net Local Acquisition			14	3,342	86,285
Total Local Conservation			14	4,056	97,000
State/Federal + Local = ARL Goal			14	6,513	153,000
	10 YE	AR EXTENSION			
State/Federal	10 12	AN EXTENSION	19	1,810	56,000
Local HANS Dedication	C	.	19	526	10.715
Net Local Acquisition	See al	oove	19	2,463	10,715 86,285
Total Local Conservation			19	2,989	97,000
State/Federal + Local = ARL Goal			19	4,799	153,000
				.,	,
Overte (Fordered	15 YE	AR EXTENSION	0.4	4 400	50.00 (
State/Federal			24	1,433	56,000
Local					
HANS Dedication	See al	bove	24	417	10,715
Net Local Acquisition			24	1,950	86,285
Total Local Conservation			24	2,366	97,000
State/Federal + Local = ARL Goal			24	3,799	153,000
	20 YE	AR EXTENSION			
State/Federal			29	1,186	56,000
Local					
HANS Dedication	See a	bove	29	345	10,715
Net Local Acquisition			29	1,613	86,285
Total Local Conservation			29	1,958	97,000
State/Federal + Local = ARL Goal			29	3,144	153,000

^{1.} About 10,000 acres of potential future land dedication is associated with a range of previously proposed projects. Based on historical information on actual, dedications agreements on proposed projects, current RCA policy, and consultations with RCA staff, minimal additional dedication is expected or assumed beyond these agreements. This analysis, therefore, assumes that the prior agreements concerning dedications will occur with future dedications summing to about 10,000 acres. The precise timing of these dedications is uncertain, but are assumed to occur over the next eight years. Average annual numbers in this table are shown distributed across the full remaining acquisition period of each extension scenario.

Shading indicates acreage to be acquired with fee revenue.

Sources: Western Riverside County Regional Conservation Authority; and Economic & Planning Systems, Inc.

4. FORECASTS OF DEVELOPMENT, DEDICATION, FEE PAYMENT

Future development within Western Riverside County will both reduce land available for conservation while also serving as a primary funding mechanism for habitat acquisitions. This chapter identifies forecasts of future growth in Western Riverside County and develops an associated forecast of land development that is a key component of the fee calculation.

Historic Development and HCP Fees

The MSHCP anticipated that 13,000 to 14,000 residential units and about 370 commercial and industrial acres would be developed on average annually. Specifically, between 2005 and 2019, 206,000 residential units were expected in the Plan Area. A review of new units in the Plan Area indicates about 130,000 units were developed over the period (see **Figure 6**), about 37 percent below the forecast. ²⁰ While the substantial volatility in the real estate market over the period (including the housing boom, deep recession, and modest recovery) may explain some of this difference, the slower pace of development means that fee revenues have been similarly constrained relative to the original revenue projections.

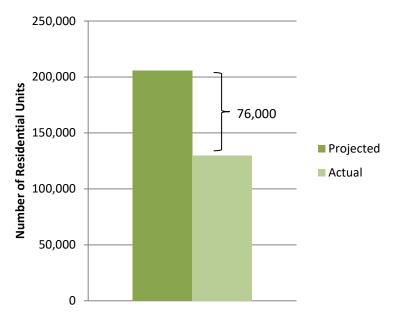


Figure 6 Residential Unit Development, Western Riverside County, 2005-2019

Source: California Department of Finance; MSHCP Projections

²⁰ Actual units developed have been derived from the California Department of Finance (DOF), Demographics Unit information through January 1, 2019. Note that the DOF reports data by city and for the entire Riverside County unincorporated area. Western Riverside's portion of the total unincorporated area has been derived based on the area's historic share of unincorporated County, taking into account the incorporations of new cities that occurred in Western Riverside County since MSHCP Plan adoption (Eastvale, Jurupa Valley, Menifee, and Wildomar).

Growth Projections

SCAG Forecasts in Context

The Southern California Association of Governments (SCAG) is a Metropolitan Planning Organization (MPO)²¹ representing six counties, 191 cities and more than 18 million residents. MPOs, such as SCAG are charged under California Senate Bill 375 with developing Sustainable Community Strategies (SCSs) as part of regional transportation plans. SCAG's SCS includes population, household, and job projections through 2040 by city and unincorporated area. SCAG consults with local governments within the region, including the Western Riverside Council of Governments (WRCOG) which represents Western Riverside County, to develop the projections. SCAG adopted the 2012-2040 Regional Transportation Plan/Sustainable Community Strategy (RTP/SCS) in 2016. The 2016 RTP/SCS forms the basis of the SCAG projections; EPS extrapolated an annual growth rate from the SCAG projections and, assuming consistent development trends through 2050, applied the rate in order to estimate development projections through 2050.

SCAG forecasts for the future, on an annualized basis, were compared with the MSHCP's original forecast along with historical information (when available) as described further below:

- Residential Development Forecast. Figure 7 shows, for Western Riverside County, the annual residential unit count for SCAG projections through 2050, MSHCP projections through 2029, and residential units produced in Western Riverside County between 2005 and 2019. As shown, the SCAG projections suggest about 8,750 units each. This is similar to the average annual historic pace of growth between 2005 and 2019 of about 9,260 units, but well below the original MSHCP projections of about 13,400 units each year. Based on the similarity between the historical average and the SCAG forecast, the SCAG forecast is considered a reasonable basis for determining the future pace of residential development and associated residential land development (based on assumed densities of development).
- year was converted into an annual gross amount of commercial/industrial development using the employment density and FAR assumptions used in the most recent Transportation Uniform Mitigation Fee (TUMF) update documents. As shown in **Figure 8**, this results in a forecast of about 690 acres of commercial/industrial land development each year (representing an overall average of about 21 jobs per acre of development), considerably above the original MSHCP projections of about 370 acres each year. The higher SCAG number, however, appears reasonable given recent and ongoing trends in Western Riverside County where substantial amounts of new logistics/distribution development have occurred covering substantial land areas and, as such, is considered reasonable as the basis of the future forecast of commercial/industrial land development.

²¹ Federal law requires that an urbanized area with a population of at least 50,000 be guided by a regional entity known as an MPO. California's Senate Bill 375 expands the role of the State's 18 MPOs to include regional plans that help the State reach its greenhouse gas reduction targets by encouraging compact development and new development near public transit.

Figure 7 New Housing Units per Year, SCAG and MSHCP Projections and Historic Production (2005-2019)

SCAG (2012-2040) and MSHCP Projections (2004-2029) and Historic Production (2005-2019)

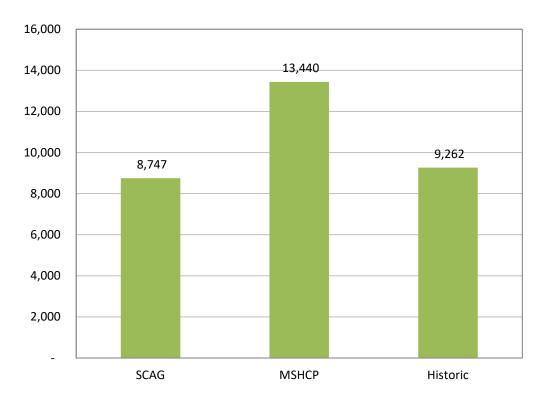


Figure 8 Newly Developed Commercial Acres per Year

SCAG (2012-2040) and MSHCP Projections



Note: SCAG job projections converted into acres by EPS

Forecasts for Fee Calculation

For this fee program update, the SCAG projections are considered a reasonable basis for forecasting future land development. Because all new development is expected to pay the mitigation fee, all of the forecasted household and job growth is converted into a land development forecast that is, in turn, used to calculate the mitigation fees. **Table 9** shows SCAG's overall projections for households and employment in Western Riverside County between 2012 and 2050, and **Table 10** shows the implied average annual land development rates, and, in turn, the overall level of residential and commercial/industrial land development that would be expected to occur through the end of the land acquisition period for each of the extension scenarios. As shown, all scenarios assume an overall average annual land development of 2,252 acres each year, including 693 acres in commercial/industrial land development and 1,558 acres in annual residential land development. ²³

- Baseline/No Extension Scenario. Under the no extension scenario, a total of 20,265 acres of land development is expected to occur during the remaining Plan implementation period of nine (9) years and would pay the mitigation fees.
- **5-Year Extension**. Under the 5-year extension to the acquisition period, a total of <u>31,523</u> <u>acres</u> of land development is expected to occur during the remaining Plan implementation period of 14 years and would pay the mitigation fees.
- **10-Year Extension**. Under the 10-year extension to the acquisition period, a total of <u>42,782 acres</u> of land development is expected to occur during the remaining Plan implementation period of 19 years and would pay the mitigation fees.
- **15-Year Extension**. Under the 15-year extension to the acquisition period, a total of <u>54,040 acres</u> of land development is expected to occur during the remaining Plan implementation period of 24 years and would pay the mitigation fees.

²² Under the MSHCP, all new development is required to pay the mitigation fee and contribute to funding the implementation of the MSHCP except where specifically exempted in the Ordinance.

²³ The 1,558 acres of residential land development was derived based on the forecasted 8,747 residential units each year and assumptions concerning distribution by density category and an average density level. More specifically, consistent with the recent TUMF analysis assumptions, 70 percent of new residential units are assumed to be in the low density category (less than 8 units per acre) with an average of 4.5 units/acre, 20 percent are assumed to be the medium density category (8 to 16 units per acre) with an average of 10.8 units/acre, and 10 percent are assumed to be the high density category (over 16 units per acre) with an average of 24.4 units/acre. The unit per acre factors are consistent with those indicated in the Original Nexus Study. The overall implied average residential density is 5.6 units/gross acre.

Table 9 Projected Growth in Western Riverside County, through 2050

SCAG	Western Riverside MSHCP Plan Are		
	Households	Employment	
2012	530,970	463,833	
2040 Projection	775,882	869,792	
2050 Projection (1)	863,350	1,014,777	
New Households/Jobs Expected by 2050	332,380	550,944	
Average Annual	8,747	14,499	

⁽¹⁾ SCAG projections forecast growth through 2040. EPS assumes the annual growth rate from 2012 to 2040 remains constant through 2050 and applies the rate to an additional 10 years in order to project growth through 2050.

Sources: Southern California Association of Governments; Economic & Planning Systems, Inc.

Table 10 Projected Developed Acres in Western Riverside County, by Extension Scenario

	Western Riverside MSHCP Plan Area							
SCAG -	Residential		Non Residential		Total			
No Extension								
Proportionate Share 2020-2028 ¹	78,722	Households	130,487	Jobs				
New Development to Acres ²								
Acres of New Development Through 2028	14,026	Acres	6,239	Acres	20,265 Ac	cres		
Acres per Year	1,558	Acres	693	Acres	2,252 Ac	cres		
	F Voca	Tytopolon						
Description of a Observation 0000 000 41		Extension						
Proportionate Share 2020-2034 ¹	122,456	Households	202,979	Jobs				
New Development to Acres ²								
Acres of New Development Through 2034	21,818	Acres	9,705	Acres	31,523 Ac	cres		
Acres per Year	1,558	Acres	693	Acres	2,252 Ac	cres		
	10 Year	Extension						
Proportionate Share 2020-2038 ¹	166,190	Households	275,472	Jobs				
New Development to Acres ²								
Acres of New Development Through 2038	29,611		13,171		42,782 Ac			
Acres per Year	1,558	Acres	693	Acres	2,252 Ac	cres		
	15 Year	Extension						
Proportionate Share 2020-2043 ¹	209,924	Households	347,965	Jobs				
New Development to Acres ²								
Acres of New Development Through 2043	37.403	Δcres	16,637	Acres	54,040 Ac	ros		
Acres per Year	- ,	Acres	•	Acres	2,252 Ac			
	,				, : : : :			

⁽¹⁾ SCAG forecasts from the 2016 Report have been used for all cities in Western Riverside County. The projections for the entire unincorporated area in Riverside have been split into just the Western part of the County through a review of WRCOG's recent proportion of unincorporated growth, compared to the whole County.

Sources: California Department of Finance; US Census Bureau; Southern California Association of Governments; Economic & Planning Systems, Inc.

⁽²⁾ Conversion from household projections to residential acres of developed land is based on expected development mix and average residential density by land use type, with an average residential density of 5.6 DUAC. Similarly, conversion from job projections to nonresidential acres of developed land is based on distribution of jobs by workspace type and average employment density by land use type, with an average nonresidential density of 21 jobs per land acre. Residential density assumptions are based on data from the Census and California Department of Finance; Employment density assumptions are based on SCAG data.

5. MSHCP IMPLEMENTATION COSTS

This chapter describes the analysis and assumptions that underpin the estimation of the total remaining MSHCP implementation costs in 2019 dollars. Key cost factors evaluated include land costs, management and monitoring costs, administration and professional services costs, and endowment costs. Together these cost components form the total MSHCP implementation costs. Because the duration allowed for land acquisition and endowment establishment affect several of these cost items, distinct total implementation cost estimates are provided for all scenarios (i.e., Baseline/ No Extension and the three extension scenarios).

Land Costs

Planning-level estimates of the per acre values associated with potential Additional Reserve Land (ARL) acquisitions are a critical input into the estimation of total land acquisition costs associated with Plan implementation. Land acquisition costs represented the majority of the original estimates of MSHCP implementation costs. This chapter provides planning-level estimates of per acre land conservation costs in 2019-dollar terms based on available information. In combination with assumptions concerning the characteristics of the Additional Reserve Lands to be acquired and potential levels of dedication, the per acre land value estimates drive the estimate of overall land acquisition costs.

Actual per acre habitat conservation costs may vary from the average planning-level estimates presented in this chapter for a number of reasons, including differences in the specific characteristics of the actual parcels acquired as well as fluctuations in economic, real estate, and land market conditions over time. Individual transactions will require appraisals to establish their value at the time of acquisition based on parcel characteristics and pertinent market conditions at the time of appraisal. Over time, per acre and overall cost estimates typically change for a number of reasons as discussed further in **Chapter 9**.

MSHCP/Original Nexus Study

The initial adoption of the mitigation fees was based on a nexus study completed in July 2003 that included a land valuation analysis that was completed in December 2002. The land valuation analysis assumed the acquisition of vacant and unentitled lands in the Criteria Cells. The land value analysis provided planning-level estimates of per acre land values by grouped land use designation and by Area Plan. Planning-level land value estimates were based on sales comparables. The land value estimates indicated per acre land values that were primarily driven by differentiation in land use category. The land use designation categories represent groupings of the broad number of land use designations present in the Study Area. **Table 11** summarizes the per-acre land value ranges and resulting averages. Based on this analysis, an overall weighted average of \$13,100 per acre was applied in the MSHCP financial sections in the Original Nexus Study.

Table 11 Per-Acre Land Value Estimates—2003 Dollars (2003 Nexus Study)

Land Use Designation	Value Range	Resulting Average *
Open Space	\$2,500 to \$10,000 per acre	\$ 8,000 per acre
Rural/Agricultural	\$5,000 to \$25,000 per acre	\$11,000 per acre
Community Development	\$20,000 to \$80,000 per acre	\$45,000 per acre
Overall (1)	\$2,500 to \$80,000 per acre	Varied (1)

^{*} Per acre values rounded to the nearest 1,000.

Source: Original 2003 Nexus Study

RCA Experience to Date

Table 12 summarizes average RCA land acquisition costs to date. Including land purchased shortly before the MSHCP was adopted through the end of 2018, costs for Local Permittee land acquisitions summed to \$352.5 million in nominal dollar terms, an average of \$9,400 per acre. However, for the year 2018, about 2,100 acres were acquired at the higher average per acre cost of \$13,200 per acre.

Table 12 Local Conservation Costs Through 2018

Item	Pre-MSHCP through 2018	2018
Total Acres Acquired (1)	37,547	2,066
Total Cost (millions)	\$352.5	\$27.4
Cost per Acre (Nominal \$s)	\$9,400	\$13,200

⁽¹⁾ Includes all acres purchased; does not include acres conserved via easement.

Sources: Western Riverside County Regional Conservation Authority MSHCP Annual Report 2018; Economic & Planning Systems, Inc.

To date, the overall historical level of per acre land acquisition expenditures is well below the original 2004 per acre land value estimates. The cost of RCA acquisitions during this timeframe were kept relatively low by concentrating more on lower cost parcels (larger parcels in remote areas with limited development potential). In 2018, as in the future, the average cost per acre is expected to be higher than this historical average due to the characteristics of land still needing to be acquired.

New Land Value Analysis and Conclusions

New 2019 per acre land value estimates were developed based on recent historical transactions as reported in the sales comparables sections of appraisals conducted for RCA acquisitions. This data set provided a substantial inventory of over 150 land sales between 2012 and 2017 that supported conclusions concerning per acre land values by key land value characteristic.

⁽¹⁾ Reported overall average land value per acre depends on mix of land types. Number varies by documents, though \$13,100 per acre was overall value applied in the MSHCP financing sections.

Similar to the Original Nexus Study, land values were determined to be substantially affected by land use designation and by parcel size. Land values were developed for twelve different value categories based on combinations of three land use designations and four different size ranges.

Based on the land valuation data and detailed GIS analysis by RCA staff, parcels were divided into three groups of development potential based on their land use designation: ²⁴

- **Open Space.** Low development potential land use designations included open space, rural mountainous, and rural residential.
- **Rural**. Medium development potential land use designations include agriculture and rural communities land use designations.
- **Community Development**. High development potential land use designations include all community development designations, including residential, non-residential, and other community development designations.

In addition to these three land use designation groupings reflecting different levels of development potential, parcels were also divided by parcel size. The land value information indicated a per acre value distinction between the following parcels sizes:

- Parcels less than 5 acres.
- Parcels between 5 and 20 acres.
- Parcels between 20 and 80 acers.
- Parcels over 80 acres.

Based on the analysis of the sales comparables, **Table 13** shows the planning level per acre land value by land use designation grouping/size range in 2017 dollars.

Table 13 Planning Level Per Acre Land Value Estimates by Category

	Per Acre Land Value (\$ / Acre) ¹					
Land Use Designation	Less than 5 Acres	5 - 19.99 Acres	20 - 79.99 Acres	80 + Acres		
Open Space	\$11,761	\$5,091	\$3,949	\$1,866		
Rural	\$33,363	\$11,553	\$8,337	\$5,531		
Community Development	\$177,414	\$76,050	\$72,369	\$24,335		

^{1.} Most land sale comparables used for pricing are from 2013 to 2017 and were converted to 2017 dollars using BLS CPI adjustments for the Los Angeles-Riverside-Orange County area.

Sources: Economic & Planning Systems, Inc.

²⁴ RCA staff developed a consistent set of land use designation categories across different jurisdictions in the Study Area for the purposes of this study. These formed the basis of the development potential categories.

The average land value per acre for future RCA acquisitions is dependent on the different land values per acre as well as the expected distribution of future acquisitions. The actual land to be acquired is uncertain and is dependent on the availability of land through willing sellers. However, based on the conservation needs by Area Plan, the suitable land available for protection, as well as the specific linkages that must be created between the core reserve areas, RCA staff provided sufficient information for EPS to develop a general expression of parcels by characteristic to support the land value analysis. An illustration of the expected distribution of acres by land use designation and size range is provided in **Table 14**.

Table 14 Illustrative Distribution of Land Acquisitions by Land Use and Size

Conservation Scenario (Acres) (1)					
Land Use Designation	Less than 5 Acres	5 - 19.99 Acres	20 - 79.99 Acres	80 + Acres	Total
Open Space	535	1,531	3,626	4,654	10,346
Rural	1,901	17,241	26,802	29,428	75,371
Community Development	<u>638</u>	<u>1,707</u>	<u>3,613</u>	<u>4,384</u>	10,342
Total Purchases by Acreage	3,074	20,479	34,041	38,466	96,059

^{1.} Conservation scenario analysis was conducted in 2017 so overall acres acquired more than those required as of end of 2019.

Sources: RCA; Economic & Planning Systems, Inc.

Applying the per acre land values in **Table 13** to the illustrative land conservation distribution in **Table 14** provides an estimate of the aggregate land value, supporting the estimate of the average planning level land value per acre in 2017-dollar terms (see **Table 15**).

Table 15 Aggregate Land Value of Remaining Areas (2017 dollars)

Land Comparables by Acres					
Land Use Designation	Less than 5 Acres	5 - 19.99 Acres	20 - 79.99 Acres	80 + Acres	Total
Open Space	\$6,292,633	\$7,795,633	\$14,319,467	\$8,682,942	\$37,090,674
Rural	\$63,411,345	\$199,183,566	\$223,437,526	\$162,777,034	\$648,809,470
Community Development	<u>\$113,198,910</u>	<u>\$129,817,405</u>	<u>\$261,456,200</u>	<u>\$106,682,740</u>	<u>\$611,155,254</u>
Total Cost of Purchases	\$182,902,887	\$336,796,603	\$499,213,192	\$278,142,716	\$1,297,055,399
% of Total	14%	26%	38%	21%	100%

^{1.} This table is the average land value per acre multiplied by the Conservation Scenario. See Table E-1 and E-2.

Sources: RCA; Economic & Planning Systems, Inc.

As shown in **Table 15**, the aggregate land value of the approximately 96,000 acres remaining to be protected as part of the MSHCP as of 2017 is estimated at about \$1.3 billion in 2017 dollars. This represents an average land value of about \$13,500 per acre. To convert this land value into 2019 dollars terms (similar to the rest of the analysis), EPS indexed the value to about \$14,300 per acre in 2019-dollar terms.²⁵

Other Costs—Administration, Management, and Monitoring

Program administration, reserve management, and reserve monitoring are required functions that require annual funding. The forecasts for each of these cost categories are described below.

Administration and Professional Service Costs

The Western Riverside County Regional Conservation Authority is responsible for implementing the MSHCP. Since 2004, RCA staff members have directed the acquisition, management, and monitoring of the local portion of the Additional Reserve Land (ARL) required by the MSHCP, monitored State and federal Public/Quasi-Public lands and the State and federal portions of the ARL, and undertook all of the administrative tasks associated with maintaining the permit.

Costs categorized in this fee study under MSHCP administration include all RCA staff costs and other costs like building rents and average expenditures on non-acquisition related professional services that are not anticipated to vary as the size of the ARL increases. The forecast for the acquisition period assumes that these costs will remain at approximately \$4.2 million in constant 2019 dollars, increasing with inflation but not increasing as the size of the ARL grows (see **Table 16**). This includes salaries and benefits of about \$2.3 million annually and about \$1.5 million in professional services, supplies, and other costs.

²⁵ Two years of inflation (2017 – 2019) based on by BLS CPI adjustment for Riverside-San Bernardino-Ontario Metro Area.

Table 16 Administrative and Professional Services Costs

Expenditures	RCA FY16/17- 18/19 3-Year Average of Actuals	CPI Adjusted to 2019\$ ¹
Total Salaries and Employee Benefits	\$2,219,261	\$2,288,495
Professional Services and Supplies Environmental Legal Auditing, Accounting & Financial Services GIS Services	\$394,320 \$101,717 \$10,000	\$406,621 \$104,891 \$10,312
Personnel Services Real Estate Services Other Services	\$13,920 \$653,774 <u>\$247,979</u>	\$14,354 \$674,169 <u>\$255,715</u>
Subtotal	\$1,421,710	\$1,466,062
Other Charges	<u>\$388,145</u>	<u>\$400,254</u>
Total	\$4,029,116	\$4,154,811

⁽¹⁾ Three year average CPI-adjusted by one year, the average of the annual CPI adjustments for the three years.

Sources: Western Riverside County Regional Conservation Authority: Bureau of Labor Statistics;

Management and Monitoring

Reserve Management

The MSHCP describes reserve management activities focused on maintaining and improving habitat conditions and ecosystem functions including habitat and landscape-based activities and species-specific activities. For the purposes of this analysis, the average per acre cost estimate for Reserve Management as reported in the RCA actual spending for FY 2018-19 has been used to inform cost projections through the full acquisition period. Because RCA staff and relevant contractors have indicated that the current spending on staff capacity is not adequate to accomplish necessary management with existing land holdings, additional staffing and associated expenditures have been added to the current reserve management expenditures. Specifically, three new full time equivalent (FTE) positions are added to the current 2019 spending for reserve management. Overall, the 2019 per acre reserve management cost of \$25.39 per acre was adjusted to \$32.70 per acre (2019 dollars) to account for three new mid-level park ranger FTEs. While as of the end of 2019 about 40,200 acres were under management, ultimately, reserve management activities will cover the entire 97,000 acres to be acquired by the RCA.

Biological Monitoring

The purpose of biological monitoring is to provide Reserve Managers with information and data upon which reserve management decisions will be made. According to the MSHCP, the monitoring program must provide "sufficient, scientifically reliable data for Reserve Managers to assess the MSHCP's effectiveness at meeting resource objectives and achieving or maintaining a

healthy MSHCP Conservation Area in perpetuity." Unlike the RCA's reserve management activities which are limited to local ARL acres, the RCA will ultimately be responsible for monitoring all 500,000 acres of the reserve lands mandated under the MSHCP. The acreage currently being monitored totals roughly 408,000 acres. For the purposes of this analysis, the \$1.1 million annual cost estimate based on FY 2018-19 actual spending was used to inform cost projections through the full acquisition period. Because current staff capacity is not adequate to accomplish necessary biological monitoring with existing land holdings, to address the additional land acquisitions, two new full time equivalent (FTE) positions are added to the current 2019 spending for reserve monitoring. The 2019 per acre reserve monitoring cost of \$2.67 was adjusted to \$3.01 (2019 dollars) to account for two new entry-level biologist FTEs. (see **Table 17**). This constant dollar per acre cost was assumed to apply throughout the period of implementation.

Reserve Management and Biological Monitoring Costs

Table 17 summarizes estimated per acre costs for reserve management and monitoring in 2019 dollars. Applying these per acre costs (in 2019 dollars) to current acreage under management and monitoring projects results in annual costs of \$1.32 million and \$1.23 million, respectively. The annual reserve management and biological monitoring costs increase as new acquisitions occur.

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Table 17 Management and Monitoring Anticipated Costs in 2004 and 2019 Dollars

Item	Actual FY 2019 Spending
Reserve Management ¹	
Acres under Management	40,212
Existing Reserve Management Expenses	\$1,021,000
Additional Staff Capacity Required ³	\$294,000
Total Reserve Management Expenses	\$1,315,000
\$/Acre	\$32.70
\$/Acre without additional staff capacity	\$25.39
Biological Monitoring ²	
Acres being Monitored	408,820
Existing Biological Monitoring Expenses	\$1,092,000
Additional Staff Capacity Required ³	\$140,000
Total Biological Monitoring Expenses	\$1,232,000
\$/Acre	\$3.01
\$/Acre without additional staff capacity	\$2.67

^{1.} Reserve Management costs include Parks & Open Space contract fees, maintenance of motor vehicles, and HOA dues.

Sources: Western Riverside County Regional Conservation Authority; and Economic & Planning Systems, Inc.

Endowment Funding

The overall permit period was set at 75 years, ending in 2079. To cover ongoing management and monitoring costs beyond the duration when mitigation fees will be collected, the establishment of a non-depleting endowment is required. In other words, the endowment must be sufficient such that expected average interest revenues (after inflation and transaction costs) can cover the ongoing costs associated with administration, management and monitoring in perpetuity. This section summarizes the estimated cost of establishing this endowment under the different scenarios. A key assumption is that the endowment must be fully established by

^{2.} Biological Monitoring costs include SAWA contract fees, office and computer supplies, training, private mileage reimbursement, building rent, and rental vehicles/fuel.

^{3.} Current staff capacity is not sufficient to accomplish necessary management and monitoring. An Expanded staff capacity scenario envisions adding 3 FTE midlevel park rangers to Reserve Management and 2 FTE entry-level biologists to Reserve Monitoring, with salaries and benfits of \$98,000 and \$70,000

the end of the land acquisition period as it is assumed that no more mitigation fees will be collected at that time. ²⁶

For the purposes of this analysis, we have assumed that habitat management and habitat monitoring costs continue in full, while administration costs are reduced by half following the end of the land acquisition period. All of these costs then continue in perpetuity. As a result and as shown in **Table 18**, the endowment is sized to cover the expected annual management and monitoring costs and 50 percent of the administration costs, totaling \$6.8 million (2019 dollars) once all lands have been acquired.

Table 18 Annual Implementation Cost Estimate (2019\$)

Cost Categories	Annual Cost by Last Year of Land Acquisition Period	Adjustment	Annual Post-Land Acquisition Cost
Ongoing Habitat Management	\$3,172,063	100%	\$3,172,063
Ongoing Habitat Monitoring	\$1,506,776	100%	\$1,506,776
Administration ¹	\$4,154,811	50%	\$2,077,406
Total	\$8,833,650		\$6,756,244

^{1.} Adminsitration includes salaries and benefits, accounting, auditing and reporting, contracts, etc.. Assumes less administration is needed following the land acquisition period; ongoing adminsitrative needs include oversight, auditing and reporting, and board staffing.

Sources: Western Riverside County Regional Conservation Authority; and Economic & Planning Systems, Inc.

Consistent with many regional habitat conservations plans, the average annual net, real (allowing for inflation and institutional fees) interest rate is assumed to be three (3) percent. The Under all extension scenarios, the total required endowment funding is \$225.2 million. Because the longer extension periods provide more time for the accrual of interest revenues, the net endowment cost (that must be funded by mitigation fees) is different for each scenario. Table 19 shows the consistent total endowment funding required by scenario as well as the different levels of aggregate endowment interest and associated net endowment funding requirement. For a detailed time-series accounting of endowment funding by extension scenario, see Appendix II.

²⁶ It is important to note that the RCA has collected a distinct set of endowment funds for situations where specific conservation activities are required over-and-above the core activities covered by this endowment calculation.

²⁷ This assumes that the implementing entity can use investment vehicles that may be not be typical for Riverside County.

Table 19 Endowment Funding (2019\$), by Extension Scenario

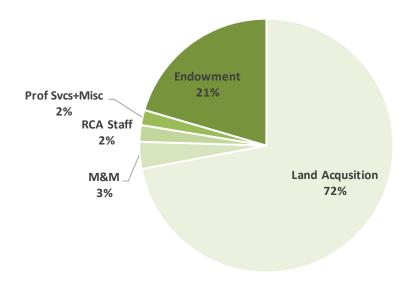
Item	No Extension	5-Year Extension	10-Year Extension	15-Year Extension
Total Endowment Funding Required (Less) Endowment Interest Net Endowment Funding Required	\$225,208,133	\$225,208,133	\$225,208,133	\$225,208,133
	(\$25,695,187)	(\$40,679,628)	(\$54,846,349)	(\$68,206,990)
	\$199,512,947	\$184,528,506	\$170,361,785	\$157,001,144

Sources: Western Riverside County Regional Conservation Authority; and Economic & Planning Systems, Inc.

Total Implementation Costs

Implementation costs include land costs, administrative and professional services expenses, management and monitoring costs, and the required net endowment funding. The remaining MSHCP implementation costs, as described in detail in the preceding sections, are all estimated in 2019 constant dollar terms. Under the Baseline/ No Extension scenario, as shown in **Figure 9**, the \$702 million in estimated land acquisition costs make up 72 percent of the total implementation cost of \$974 million. Administrative costs total about 4 percent of total costs, management and monitoring sum to 3 percent of total implementation costs, and the endowment constitutes 21 percent of total costs.

Figure 9 Comparison of Costs by Category



Total implementation costs vary by extension scenario. Land acquisition costs are the same for all scenarios. Administrative, management and monitoring costs increase the longer the acquisition period is extended, but the endowment funding required decreases the longer the

acquisition period is extended. As shown in **Table 20**, total implementation costs range from \$890 million to \$967 million depending on the extension period. Although total costs over time increase with longer extension periods the per-year implementation costs decrease with longer extension periods, as shown in **Table 21**. For a detailed time-series of all implementation costs excepting the endowment, see **Appendix I**.

Table 20 Total Implementation Costs (2019\$*), by Extension Scenario

Local Permittee MSHCP Implementation Costs	Total for 2020 - 2028 No Extension	Total for 2020 - 2033 5-Yr Extension	Total for 2020 - 2038 10-Yr Extension	Total for 2020 - 2043 15-Yr Extension
Land ¹	\$701,931,902	\$701,931,902	\$701,931,902	\$701,931,902
Management & Monitoring	\$33,582,193	\$51,646,790	\$69,711,387	\$87,775,983
RCA Staff ²	\$20,596,453	\$32,038,927	\$43,481,401	\$54,923,875
Professional Services and Supplies ²	\$13,194,561	\$20,524,873	\$27,855,185	\$35,185,497
Loan Repayment ³	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000
Other Costs 24	\$3,602,285	\$5,603,554	\$7,604,824	\$9,606,093
Net Endowment Funding Required	\$199,512,947	\$184,528,506	\$170,361,785	\$157,001,144
Total Costs	\$974,420,341	\$998,274,552	\$1,022,946,483	\$1,048,424,494

^{1.} Land value estimates at \$14,288 per acre in 2019 dollar terms.

NOTE: In some cases numbers may not perfectly sum due to rounding.

Sources: Western Riverside County RCA; Economic & Planning Systems, Inc.

^{2.} RCA Administrative Costs are based on a three year average of FY 2016-17 through FY 2018-19 actual costs, adjusted to 2019 dollars

^{3.} RCA has "Other Long Term Obligations" totaling \$5 million, which was a loan received from the County in FY 2012/13 and is now payable in increments of \$1 million starting in FY 2018.

^{4.} Includes rents and all other miscellaneous expenses.

^{*} All costs are provided in constant 2019 dollar terms. Costs will change over time due to inflation and other factors. These changes will be addressed through the fee indexing/ updating process that will include automatic inflation-indexed fee changes annually based on the regional Consumer Price Index and periodic comprehensive updates to the Nexus Study.

Table 21 Average Annual Implementation Costs (2019\$), by Extension Scenario

Land Damillon MCUCD	Average Annual											
Local Permittee MSHCP Implementation Costs	2020 - 2028 No Extension	2020 - 2033 5-Yr Extension	2020 - 2038 10-Yr Extension	2020 - 2043 15-Yr Extension								
Land ¹	\$77,992,434	\$50,137,993	\$36,943,784	\$29,247,163								
Management & Monitoring	\$3,731,355	\$3,689,056	\$3,669,020	\$3,657,333								
RCA Staff ²	\$2,288,495	\$2,288,495	\$2,288,495	\$2,288,495								
Professional Services and Supplies ²	\$1,466,062	\$1,466,062	\$1,466,062	\$1,466,062								
Loan Repayment ³	\$222,222	\$142,857	\$105,263	\$83,333								
Other Costs ^{2 4}	\$400,254	\$400,254	\$400,254	\$400,254								
Net Endowment Funding Required	\$22,168,105	\$13,180,608	\$8,966,410	\$6,541,714								
Total Costs	\$108,268,927	\$71,305,325	\$53,839,289	\$43,684,354								

^{1.} Land value estimates at \$14,288 per acre in 2019 dollar terms.

NOTE: In some cases numbers may not perfectly sum due to rounding.

Sources: Western Riverside County RCA; Economic & Planning Systems, Inc.

^{2.} RCA Administrative Costs are based on a three year average of FY 2016-17 through FY 2018-19 actual costs, adjusted to 2019 dollars.

^{3.} RCA has "Other Long Term Obligations" totaling \$5 million, which was a loan received from the County in FY 2012/13 and is now payable in increments of \$1 million starting in FY 2018.

^{4.} Includes rents and all other miscellaneous expenses.

MSHCP Forecast of Non-Fee Revenues

The MSHCP forecast an array of revenue sources, in addition to fee revenue, supporting the conservation program. These sources were anticipated to total about 44 percent of the revenue for the program, including:

- Transportation funding includes the Measure A sales tax which is authorized through 2039 and other transportation funding sources such as the Transportation Uniform Mitigation Fees (TUMF) charged on new development. Note that the MSHCP envisioned up to \$121 million of Measure A money to the HCP.
- Other infrastructure projects funding from this source was not quantified in the MSHCP but reflected the expectation that local public construction projects such as schools, administrative facilities, libraries, jails, and other projects like flood control and utility projects would mitigate the construction through the payment of a per-acre fee.²⁸ Since MSHCP adoption, the standard contribution has been three to five percent of total project costs.
- Landfill contributions Landfill tipping fees have been used in the County since the 1990 for conservation programs. Under county permitting of landfills, the County has committed to divert portions of tipping fees to MSHCP implementation.

Table 22 and **Figure 10** summarizes the revenue forecasts under the MSHCP. Including the fee revenues, these sources totaled \$1.07 billion or an estimated average almost \$43 million per year for 25-years (in 2004 dollars). Excluding fee revenues, a total of \$18.84 million in annual revenues were forecast, including Measure A funding, \$10 million each year from other transportation projects, and \$4.0 million from land fill contributions.

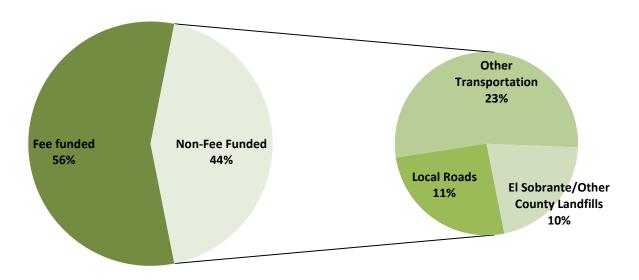
As described further below, at this point, the average annual funding from non-fee revenues sources are well below the MSCHP forecast. Measure A, a voter-approved ½ cent sales tax measure did provide substantial funding as envisioned (though is now fully used/ allocated) and, collectively, the other non-fee funding sources are well beyond what was originally envisioned.

²⁸ See Chapter 8.5.1 Funding Sources in the MSHCP.

Table 22 2004 MSHCP Anticipated Funding Sources

	Estimate	% of Avg/	Yr (millions over 25
MSHCP Anticipated Funding Source	(millions)	Total	years)
Fee Funded Sources:			
Cities and County Development Mitigation Fees	\$539.6	50%	\$21,584,000
Density Bonus Fees	\$66.0	6%	\$2,640,000
Non-Fee Funded Sources	\$605.6		\$24,224,000.0
Public Funding Sources			
Local Roads (Measure A)	\$121.0	11%	\$4,840,000
Other Transportation	\$250.0	23%	\$10,000,000
Other infrastructure Projects	unknown	0%	\$0
El Sobrante Landfill	\$90.0	8%	\$3,600,000
County Landfills	\$10.0	1%	\$400,000
Eagle Mountain Landfill	unknown	0%	\$0
New Regional funding	<u>unknown</u>	0%	<u>\$0</u>
Non-Fee Funded Sources	\$471.0		\$18,840,000
Total, Local Funds	\$1,076.6	100%	\$43,064,000

Figure 10 2004 MSHCP Anticipated Funding Sources



New Forecast of Non-Fee Revenues

Non-fee revenues to the RCA are projected to be \$6.85 million annually in 2019 dollars. This estimate was derived from a line by line review of the major revenue items for a 3-year period from FY 2016-17 to FY 2018-19, projections by collection entities (e.g., TUMF revenue), and recent dynamics likely to affect the revenue source (e.g., greater diversion of trash to recycling

will likely reduce tipping fees). The estimates have been inflated from a three-year average to 2019 dollars, as detailed in **Table 23**.

Table 23 Annual Non-Fee Revenue Projection (2019\$s)

	•	•
Non-Fee Revenue Item	RCA FY16/17- 18/19 3-Year Average of Actuals	CPI Adjusted to 2019\$
Transportation Mitigation ¹ TUMF Revenue-Developer Fees Subtotal	\$950,000 \$950,000	\$979,637 \$979,637
Tipping Fee	\$3,865,728	\$3,986,326
Public Project Mitigation PSE Mitigation Fee ² Other Gov MSHCP Infrastructure Other Gov MSHCP Civic Projects Flood Control District Subtotal	NA \$284,570 \$93,629 <u>\$293,084</u> \$671,283	\$500,000 \$293,448 \$96,550 \$302,227 \$1,192,225
Other Revenue Interest and Other Sources Rents Joint Project Review Fees Subtotal	\$467,073 \$80,531 <u>\$124,762</u> \$672,365	\$481,644 \$83,043 <u>\$128,654</u> \$693,341
Total Revenue	NA	\$6,851,529

^{1.} All Measure A funding was provided prior to 2020 and the associated obligations have been met.

Sources: Western Riverside County Regional Conservation Authority; Economic & Planning Systems, Inc.

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^{2.} Participating Special Entities fees. This does not include Developer Mitigation Fees. These fees vary widely year over year, \$500,000 is used as an annual average per the recommendation of RCA staff.

7. MITIGATION FEE CALCULATION

The revised Local Development Mitigation Fee is based on a generally similar methodology to the Original Nexus Study that ensures the fee level is proportional to the development impact. This methodology looks at the remaining conservation requirements associated with Local Permittee obligations under the MSHCP and associated Incidental Take Permit and Implementing Agreement, determines the remaining Local Permittee implementation cost, subtracts out reasonable estimates of non-fee revenues and other contributions, to determine the overall feefunding obligation. This obligation is then divided among the new development forecast to determine the required mitigation fee. In others words, the original 2003 and updated 2020 Local Development Mitigation Fee estimates are the outcome of the following formula (the 2003 and 2020 Nexus Studies differ in their process of allocating funding required between land uses):

1. Implementation Costs minus

2. Non-Fee Funding equals

3. Outstanding Funding Required divided by

4. Development Forecast equals

5. Local Development Mitigation Fee Schedule

Table 24 summarizes the estimated Net Implementation Costs, Expected Acres of Development, and the associated per gross acre mitigation fee. As shown, the average mitigation fee per gross acre decreases with each extension as similar levels of net implementation costs are spread across more development. **Tables 25** through **28** provide the detailed calculations that determine the total net MSHCP implementation costs shown in **Table 24**. As noted in **Chapter 1**, for residential development, the per-gross-acre fee is translated into a per-unit fee schedule for administrative continuity.

Table 24 MSHCP Implementation Costs and Per Acre Mitigation Fees

Fee Per Acre	No Extension	5-Year Extension	10-Year Extension	15-Year Extension
Net Cost	\$912,756,583	\$902,353,150	\$892,767,438	\$883,987,805
Acres of Development				
Residential	14,026	21,818	29,611	37,403
Nonresidential	6,239	9,705	13,171	16,637
Total	20,265	31,523	42,782	54,040
Mitigation Fee per Acre	\$45,041	\$28,625	\$20,868	\$16,358

Sources: Southern California Association of Governments; Western Riverside County RCA; Economic & Planning Systems, Inc.

Table 25 Recommended Fee Level—No Extension

ltem	Total for 2020 - 2029 (Years 17 - 25)	9 yrs	Average Annual	% of Total Cost/ Funding Need
Local Permittee Land Requirements				
Preservation Requirement	56,788		6,310 acres	na
(less) HANS Dedication	10,000 a		1,111 acres	na
Local Permittee Acquisition	46,788 a	acres	5,199 acres	na
Local Permittee MSHCP Implementation Costs				
Land (1)	\$701,931,902		\$77,992,434	72.0%
Management & Monitoring	\$33,582,193		\$3,731,355	3.4%
RCA Staff (2)	\$20,596,453		\$2,288,495	2.1%
Professional Services and Supplies (2)	\$13,194,561		\$1,466,062	1.4%
Loan Repayment (3)	\$2,000,000		\$222,222	0.2%
Other Costs (2) (4)	\$3,602,285		\$400,254	0.4%
Net Endowment Funding Required	\$199,512,947		\$22,168,105	20.5%
Total Costs	\$974,420,341		\$108,268,927	100.0%
Offsetting Revenues (5) (exc. Private Development Mitigation) Public Project Mitigation (6) Transportation Mitigation (7) Tipping Fees Other Revenues (8) Total Selected Revenues	\$10,730,025 \$8,816,731 \$35,876,934 \$6,240,068 \$61,663,758		\$1,192,225 \$979,637 \$3,986,326 \$693,341 \$6,851,529	1.4% 1.1% 4.6% <u>0.8%</u> 8.0%
Funding Required from Private Development Mitiga	ition			
Net Cost	\$912,756,583		\$101,417,398	93.7%
Mitigation Fee Estimates (per gross acre of developm	nent)			
Growth Projection:				
Development	2020 - 2028		Annual	
Residential Units	79,000		8,778	
Residential Acres	14,026		1,558	
Non-Residential Acres	6,239		693	
Total Acres	20,265		2,252	
Mitigation Fee	\$45,041	per acre		

⁽¹⁾ Land value estimates at \$14,288 per acre in 2019 dollar terms plus a 5% transaction cost.

Sources: MSHCP; RCA; Economic & Planning Systems, Inc.

⁽²⁾ RCA Administrative Costs are based on a three year average of FY 2016-17 through FY 2018-19 actual costs, adjusted to 2019 dollars.

⁽³⁾ RCA has "Other Long Term Obligations" totaling \$2 million, which was a loan received from the County in FY 2012/13 and is now payable in increments of \$1 million over the course of two years.

⁽⁴⁾ Includes rents and all other miscellaneous expenses.

⁽⁵⁾ RCA Revenues are based on a three year average of FY 2016-17 through FY 2018-19 actual costs, adjusted to 2019 dollars.

⁽⁶⁾ Includes Flood Control District, PSE mitigation payments, and other government MSHCP infrastructure & civic project revenues.

⁽⁷⁾ Includes TUMF fees.

⁽⁸⁾ Includes interest and other sources, rents, and joint project review fees.

Table 26 Recommended Fee Level—5-Year Extension

	Total for			% of				
	2020 - 2034		Average	Total Cost				
tem	(Years 17 - 30)	14 yrs	Annual	Funding Ne				
ocal Permittee Land Requirements								
Preservation Requirement	56,788 a		4,056 acres	na				
(less) HANS Dedication	<u>10,000</u> ac		<u>714</u> acres	na				
Local Permittee Acquisition	46,788 a	cres	3,342 acres	na				
ocal Permittee MSHCP Implementation Cost	s							
_and (1)	\$701,931,902		\$50,137,993	70.3%				
Management & Monitoring	\$51,646,790		\$3,689,056	5.2%				
RCA Staff (2)	\$32,038,927		\$2,288,495	3.2%				
Professional Services and Supplies (2)	\$20,524,873		\$1,466,062	2.1%				
Loan Repayment (3)	\$2,000,000		\$142,857	0.2%				
Other Costs (2) (4)	\$5,603,554		\$400,254	0.6%				
Net Endowment Funding Required	\$184,528,506		\$13,180,608	18.5%				
Total Costs	\$998,274,552		\$71,305,325	100.0%				
Public Project Mitigation (6) Transportation Mitigation (7) Tipping Fees Other Revenues (8) Total Selected Revenues	\$16,691,150 \$13,714,915 \$55,808,564 \$9,706,772 \$95,921,402		\$1,192,225 \$979,637 \$3,986,326 \$693,341 \$6,851,529	2.1% 1.7% 6.9% <u>1.2%</u> 11.8%				
Funding Required from Private Development	Mitigation							
Net Cost	\$902,353,150		\$64,453,796	90.4%				
Mitigation Fee Estimates (per gross acre of dev	velopment)							
Growth Projection:								
Development	2020 - 2033		Annual					
Residential Units (4.2 DU/Acres)	122,456		8,747					
Residential Acres	21,818		1,558					
Non-Residential Acres	9,705		693					
Total Acres	31,523		2,252					
Sitingtion Foo	\$20.02E m							

⁽¹⁾ Land value estimates at \$14,288 per acre in 2019 dollar terms plus a 5% transaction cost.

Mitigation Fee

Sources: MSHCP; RCA; Economic & Planning Systems, Inc.

\$28,625 per acre

⁽²⁾ RCA Administrative Costs are based on a three year average of FY 2016-17 through FY 2018-19 actual costs, adjusted to 2019 dollars.

⁽³⁾ RCA has "Other Long Term Obligations" totaling \$2 million, which was a loan received from the County in FY 2012/13 and is now payable in increments of \$1 million over the course of two years.

⁽⁴⁾ Includes rents and all other miscellaneous expenses.

⁽⁵⁾ RCA Revenues are based on a three year average of FY 2016-17 through FY 2018-19 actual costs, adjusted to 2019 dollars.

⁽⁶⁾ Includes Flood Control District, PSE mitigation payments, and other government MSHCP infrastructure & civic project revenues.

⁽⁷⁾ Includes TUMF fees.

 $[\]begin{tabular}{ll} (8) Includes interest and other sources, rents, and joint project review fees. \end{tabular}$

Table 27 Recommended Fee Level—10-Year Extension

	Total for		% of		
	2020 - 2039		Average	Total Cost/	
Item	(Years 17 - 35)	19 yrs	Annual	Funding Need	
Local Permittee Land Requirements					
Preservation Requirement	56,788 ad	cres	2,989 acres	na	
(less) HANS Dedication	<u>10,000</u> ac	cres	<u>526</u> acres	na	
Local Permittee Acquisition	46,788 a	cres	2,463 acres	na	
Local Permittee MSHCP Implementation Cos	ts				
Land (1)	\$701,931,902		\$36,943,784	68.6%	
Management & Monitoring	\$69,711,387		\$3,669,020	6.8%	
RCA Staff (2)	\$43,481,401		\$2,288,495	4.3%	
Professional Services and Supplies (2)	\$27,855,185		\$1,466,062	2.7%	
Loan Repayment (3)	\$2,000,000		\$105,263	0.2%	
Other Costs (2) (4)	\$7,604,824		\$400,254	0.7%	
Net Endowment Funding Required	\$170,361,785		\$8,966,410	16.7%	
Total Costs	\$1,022,946,483		\$53,839,289	100.0%	
Public Project Mitigation (6) Transportation Mitigation (7) Tipping Fees Other Revenues (8) Total Selected Revenues Funding Required from Private Development	\$22,652,275 \$18,613,099 \$75,740,195 <u>\$13,173,476</u> \$130,179,045		\$1,192,225 \$979,637 \$3,986,326 \$693,341 \$6,851,529	2.7% 2.2% 8.9% 1.5% 15.3%	
Net Cost	\$892,767,438		\$46,987,760	87.3%	
Mitigation Fee Estimates (per gross acre of de	velopment)				
Growth Projection:					
Development	2020 - 2038		Annual		
Residential Units (4.2 DU/Acres)	166,000		8,737		
Residential Acres	29,611		1,558		
Non-Residential Acres	13,171		693		
Total Acres	42,782		2,252		
Mitigation Fee	\$20,868 p	er acre			

⁽¹⁾ Land value estimates at \$14,288 per acre in 2019 dollar terms plus a 5% transaction cost.

Sources: MSHCP; RCA; Economic & Planning Systems, Inc.

⁽²⁾ RCA Administrative Costs are based on a three year average of FY 2016-17 through FY 2018-19 actual costs, adjusted to 2019 dollars.

⁽³⁾ RCA has "Other Long Term Obligations" totaling \$2 million, which was a loan received from the County in FY 2012/13 and is now payable in increments of \$1 million over the course of two years.

⁽⁴⁾ Includes rents and all other miscellaneous expenses.

⁽⁵⁾ RCA Revenues are based on a three year average of FY 2016-17 through FY 2018-19 actual costs, adjusted to 2019 dollars.

⁽⁶⁾ Includes Flood Control District, PSE mitigation payments, and other government MSHCP infrastructure & civic project revenues.

⁽⁷⁾ Includes TUMF fees.

⁽⁸⁾ Includes interest and other sources, rents, and joint project review fees.

Table 28 Recommended Fee Level—15-Year Extension

	Total for 2020 - 2044		Average	% of Total Cost/
Item	(Years 17 - 40)	24 yrs	Annual	Funding Need
Local Permittee Land Requirements				
Preservation Requirement	56,788 a	cres	2,366 acres	na
(less) HANS Dedication	<u>10,000</u> a	cres	417 acres	na
Local Permittee Acquisition	46,788 a	cres	1,950 acres	na
Local Permittee MSHCP Implementation Costs				
Land (1)	\$701,931,902		\$29,247,163	67.0%
Management & Monitoring	\$87,775,983		\$3,657,333	8.4%
RCA Staff (2)	\$54,923,875		\$2,288,495	5.2%
Professional Services and Supplies (2)	\$35,185,497		\$1,466,062	3.4%
Loan Repayment (3)	\$2,000,000		\$83,333	0.2%
Other Costs (2) (4)	\$9,606,093		\$400,254	0.9%
Net Endowment Funding Required	\$157,001,144		\$6,541,714	15.0%
Total Costs	\$1,048,424,494		\$43,684,354	100.0%
Offsetting Revenues (5) (exc. Private Development Mitigation) Public Project Mitigation (6) Transportation Mitigation (7) Tipping Fees Other Revenues (8) Total Selected Revenues Funding Required from Private Development Mitig	\$28,613,400 \$23,511,283 \$95,671,825 \$16,640,181 \$164,436,689		\$1,192,225 \$979,637 \$3,986,326 \$693,341 \$6,851,529	3.2% 2.6% 10.7% <u>1.9%</u> 18.4%
Net Cost	φοου, 1 000		φ30,032,023 	04.3 /0
Mitigation Fee Estimates (per gross acre of develop	ment)			
Growth Projection:				
Development	2020 - 2043		Annual	
Residential Units	210,000		8,750	
Residential Acres	37,403		1,558	
Non-Residential Acres	16,637		693	
Total Acres	54,040		2,252	
Mitigation Fee	\$16,358 p	er acre		

⁽¹⁾ Land value estimates at \$14,288 per acre in 2019 dollar terms plus a 5% transaction cost.

Sources: MSHCP; RCA; Economic & Planning Systems, Inc.

⁽²⁾ RCA Administrative Costs are based on a three year average of FY 2016-17 through FY 2018-19 actual costs, adjusted to 2019 dollars.

⁽³⁾ RCA has "Other Long Term Obligations" totaling \$2 million, which was a loan received from the County in FY 2012/13 and is now payable in increments of \$1 million over the course of two years.

⁽⁴⁾ Includes rents and all other miscellaneous expenses.

⁽⁵⁾ RCA Revenues are based on a three year average of FY 2016-17 through FY 2018-19 actual costs, adjusted to 2019 dollars.

⁽⁶⁾ Includes Flood Control District, PSE mitigation payments, and other government MSHCP infrastructure & civic project revenues.

⁽⁷⁾ Includes TUMF fees.

⁽⁸⁾ Includes interest and other sources, rents, and joint project review fees.

8. MITIGATION FEE ACT (NEXUS) FINDINGS

Mitigation fees are utilized in California to finance public facilities necessary to mitigate impacts stemming from new development. In 1987, the California Legislature adopted the Mitigation Fee Act to provide a framework for the application and administration of such fees. Current prevailing practice among the majority of approved and permitted regional multiple-species Habitat Conservation Plans is that any habitat mitigation fees are to be adopted by the relevant jurisdictions (cities and Counties) consistent with the Mitigation Fee Act. ²⁹ As discussed further in **Chapter 9**, the adoption of fees under the Mitigation Fee Act includes a number of auditing and reporting requirements.

The Mitigation Fee Act, defined in California Government Code Sections 66000 to 66025, requires all public agencies to document five findings when establishing or increasing a fee as a condition for new development. These findings were made when the Western Riverside County MSHCP Local Development Mitigation Fees were first justified and established.³⁰

This Chapter of the Western Riverside Habitat Conservation Plan Nexus Fee Study was prepared to describe how the proposed increase in the Local Development Mitigation Fee satisfies the five statutory findings required by the Mitigation Fee Act and is based on the appropriate nexus between new development and the imposition of a mitigation fee. The five statutory findings required for the establishment of a mitigation fee are summarized in the sections below and supported by the technical analysis in the prior chapters of this Study.

Purpose of Fee

Identify the purpose of the fee. (66001(a)(1))

The purpose of the Local Development Mitigation Fee is to contribute to the funding required to implement the MSCHP and, as a result, help maintain the incidental take permits for new private and public development in Western Riverside County under the federal and State Endangered Species Acts. Maintaining the incidental take permit is necessary to allow for future development, and without the development community paying for the cost of the MSHCP, individual applicants will need to apply independently for development approval under federal and State law if the project impacts a threaten or endangered species. The federal Endangered Species Act specifically requires that the applicant for incidental take permit "ensure that adequate funding for the plan will be provided." ³¹ In addition, the Local Development Mitigation Fee helps provide the regional benefit of streamlined economic development in Western Riverside County as well as

²⁹ In addition to the current Western Riverside County habitat mitigation fee, see also the Coachella Valley habitat mitigation fee, the San Joaquin County Multi-Species Habitat Conservation and Open Space Fee, and the East Contra Costa County HCP/NCCP mitigation fee.

³⁰ See the Final Mitigation Nexus Report for the Western Riverside County Multiple Species Habitat Conservation Plan, published July 1, 2003.

³¹ See Section 1539(a)(2)Biii of the federal Endangered Species Act.

the provision of contiguous open spaces that will serve as a community amenity to residents, workers, and visitors.

Use of Fee Revenues

Identify the use to which the fee is to be put. If the use is financing public facilities, the facilities shall be identified. That identification may, but need not, be made by reference to a capital improvement plan as specific in Section 65403 or 66002, may be made in applicable general or specific plan requirements, or may be made in other public documents that identify the public facilities for which the fee is charged. (66001(a)(2)).

The MSHCP is the public document that outlines the actions required as a whole and the particular set of actions required by the Local Permittees (and the Regional Conservation Agency as their agent) to obtain incidental take permits—associated with State and federal Endangered Species Act requirements—for new public and private development in Western Riverside County. Failure to meet the requirements of the MSHCP will result in an inability to obtain or maintain incidental take permits through the MSHCP, which would require future development to secure individual take authorization if the project impacts a threaten or endangered species.

Revenues from the Local Development Mitigation Fee will be used, in conjunction with other local and regional funding sources, to fund the conservation actions identified as the responsibility of Local Permittees in the MSHCP. The revenue from the Local Development Mitigation Fee will be used to help fund the appropriate habitat acquisition (land acquisition and associated transaction costs), maintenance and monitoring of habitat land (preserve management, monitoring, and adaptive management), and program management, administration, and oversight activities and costs.

Chapter 3 of this report describes the Local Permittee conservation requirements, progress to date, and the remaining actions required under the MSHCP.

Relationship

Determine how there is a reasonable relationship between the fee's use and the type of development project on which the fee is imposed. (66001(a)(3)).

The implementation of the MSHCP, and the mitigation fee as a fundamental part of it, will benefit all new development by mitigating their collective impacts on covered species and associated habitat. All new public and private development in the Plan area will affect habitat and species either directly, indirectly, or as a cumulative effect. New infrastructure development, for example, in addition to its direct effects, will support new development on other parcels and other locations in the Plan Area. Similarly, new private development will require new infrastructure and also result in additional demand for new developments through linkages—for

³² Consistent with the interpretation applied to the majority of permitted and approved regional, multiple-species Habitat Conservation Plans in California and guidance from RCA Counsel, the Local Development Mitigation Fee is assumed to fund its proportionate share (as determined by the technical analysis and constrained by the statutory requirements) of applicable MSHCP implementation costs including, but also limited to, habitat acquisition costs (and associated transaction costs), the costs of managing and monitoring the habitat preserves in perpetuity, and the administrative and other costs of managing the overall program.

example, the need for new housing to accommodate new workers at commercial developments or the need for new retail developments to serve new residents at residential developments. In other words, all new development in Western Riverside County will benefit from the incidental take permits obtained through the MSHCP and via the use of the mitigation fee revenues.

In addition, the incidental take permits are necessary to permit any future development within the Plan Area, and in order to obtain or maintain such incidental take permits, the MSHCP must be fully funded. Because funding the MSHCP is required in order to allow for future development under the MSHCP, there is a direct relationship between the proposed use of the mitigation fee and development within the Plan Area.

Need

Determine how there is a reasonable relationship between the need for the public facility and the type of development project on which the fee is imposed. (66001(a)(4)).

Without new development, no MSHCP would be necessary and no further habitat conservation would be required under the federal and State Endangered Species Acts. To allow for any future development under the Plan, the MSHCP must be fully funded. New development in the Plan Area, as noted above, will directly, indirectly, or cumulatively affect species and habitat in Western Riverside County. Because of this, development of the MSHCP was undertaken to provide a regional, streamlined approach to benefit future development of all types in Western Riverside County, including the development and improvements envisioned under the numerous General Plans and the Regional Transportation Improvement Program. The requirements of the MSHCP (habitat acquisition, management and monitoring, program administration) are a direct result of the regional approach to mitigation that is engendered by all new development in the Plan Area under the pertinent environmental regulations. Meeting the requirements of the MSHCP is necessary to obtain the necessary federal authorization to develop within the Plan Area.

Proportionality

Determine how there is a reasonable relationship between the amount of the fee and the cost of the public facility or portion of the public facility attributable to the development on which the fee is imposed. (66001(b)).

The MSHCP includes detailed conservation requirements based on the scientific evaluations that form the basis of the MSHCP. Based on these evaluations, conservation responsibilities were allocated between the Local Permittees and other agencies, such as the State and federal governments. The Local Development Mitigation Fee appropriately provides funding towards the fulfillment of the Local Permittee conservation requirements. Furthermore, the Local Permittee obligations are not fully funded through the Local Development Mitigation Fee revenues. Other local and regional funding sources, such as the Measure A sales tax and tipping fees, provide additional mitigation and/or offsetting revenues that reduce the overall cost allocation to the Local Development Mitigation Fee Program. In addition, consistent with the relationship between new development in Western Riverside County and the need for the public facilities (conservation program) described above, proportional attribution between new development is ensured

through the determination of a consistent per gross acre Local Development Mitigation Fee. ³³ As a result, the Local Development Mitigation Fee level calculations are carefully determined to fund only the proportionate (or less than) conservation costs attributable to the new development on which the fee is imposed and to allocate the fee levels proportionally across all new development. It is this process of careful calculation based on the requirements of the MSHCP that is the subject of a substantial portion of this Nexus Study (see **Chapters 2** through **7**).

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³³ Determining habitat mitigation fees on a gross acre basis is the clearest way of ensuring proportionate cost allocations among new developments and is a common practice among adopted Habitat Conservation Plans. For purposes of implementation/administrative consistency, for residential uses, the per-gross-acre fee is translated into per unit fees for different density categories.

9. FEE IMPLEMENTATION

The revised Local Development Mitigation Fee must be implemented consistent with the MSHCP (and associated Incidental Take Permit and Implementing Agreement) as well as the California Mitigation Fee Act. A detailed set of guidance is included in the Fee Implementation Handbook to support clarity and specificity in the implementation of the updated fee program by Local Permittees. The sections below summarize some of the key implementation and administration actions to be consistent with the requirements.

Adoption of Revised LDMF

- Consistent with the MSHCP and associated documents, each Local Permittee (i.e., all participating jurisdictions) must adopt an updated LDMF ordinance and a fee resolution establishing the revised fee level as prescribed by the Mitigation Fee Act.
- Consistent with the Mitigation Fee Act, the revised ordinance and associated fee resolution will become effective after a public hearing and 60 days.
- RCA Legal Counsel will prepare a Fee Update Ordinance and Resolution to facilitate the consistent adoption of the updated LDMF by Local Permittees.

Securing Supplemental Funding

The revised Local Development Mitigation Fee is set at the level that would cover the Local Permittee cost obligations once expected non-fee revenues are subtracted out. To the extent any discounts/exemptions are provided to new Western Riverside County development below the updated fee level, additional funding will be required to backfill the fee revenue losses. To the extent, these revenues do not make up for any fee discounts provided, other sources of funding will need to be sought by the RCA and the Local Permittees to fulfill their Plan obligations. At the same time, if new substantial funding sources become available to the RCA for Local Permittee obligations, the funding required through fees may decrease, in turn reducing the required fee levels through a new update.

Annual Review

The Mitigation Fee Act (at Gov. C. §§ 66001(c), 66006(b)(1)) stipulates that each local agency that requires payment of a fee make specific information available to the public annually within 180 days of the last day of the fiscal year. In this case, the RCA can play this role on behalf of the Local Permittees. This information includes the following:

- A description of the type of fee in the account.
- The amount of the fee (the mitigation fee schedule).
- The beginning and ending balance of the fund.
- The amount of fees collected and interest earned.
- Identification of the improvements constructed.
- The total cost of the improvements constructed.
- The fees expended to construct the improvement.
- The percentage of total costs funded by the fee.

If sufficient fees have been collected to fund specific improvement cost, the agency must specify the approximate date for the cost of that improvement. Because of the dynamic nature of growth and MSHCP implementation costs and consistent with current practice, the RCA should continue to monitor progress towards MSHCP goals. The overall adequacy of the fee revenues and other available funding in meeting these goals should be reviewed annually.

Surplus Funds

The Mitigation Fee Act also requires that if any portion of a fee remains unexpended or uncommitted in an account for 5 years or more after deposit of the fee, the RCA, acting for the Local Permittees, shall make findings once each year (1) to identify the purpose to which the fee is to be put, (2) to demonstrate a reasonable relationship between the fee and the purpose for which it was charged, (3) to identify all sources and amounts of funding anticipated to complete financing of incomplete improvements, and (4) to designate the approximate dates on which the funding identified in (3) is expected to be deposited into the appropriate fund (§66001(d)).

If adequate funding has been collected for specific investments, an approximate date must be specified as to when the cost of the investment will be incurred. If the findings show no need for the unspent funds, or if the conditions discussed above are not met, and the administrative costs of the refund do not exceed the refund itself, the local agency that has collected the funds must refund them (Gov. C §66001(e)(f)).

Annual and Periodic Updates

Consistent with the current practice, the Fee Ordinance should allow an automatic annual adjustment to the fees based on the Riverside-San Bernardino-Ontario, CA Consumer Price Index (CPI) or a similar inflation factor. In addition, a more comprehensive update should be conducted required periodically. The Nexus Study and the technical information it contains should be reviewed periodically by the RCA (every five years is recommended) to identify any necessary refinements to the Local Development Mitigation Fees to ensure adequate funding to implement the MSHCP. Under certain circumstances, the RCA may wish to conduct a Nexus Study update sooner than after five years. For example, to the extent there are significant and unexpected changes in implementation costs, in the level of non-fee funding, and/ or the level of fee-paying private development over time, a more immediate fee update may be appropriate.

APPENDIX I:

Detailed Time Series of Implementation Costs



All Implementation Costs Over Time - No Extension

			End of:												
	Factors		17	18	19	20	21	22		24	25				
Cost Items			2020	2021	2022	2023	2024	2025	2026	2027	2028				
ACRES															
Land Acuisition Costs															
Land Acquisition (Annual)															
Local			6,310	6,310	6,310	6,310	6,310	6,310		6,310	6,310				
(less) HANS/JPR Dedications Total Local			<u>-1,250</u> 5,060	<u>-1,250</u> 5,060	<u>-1,250</u> 5,060	<u>-1,250</u> 5,060	<u>-1,250</u> 5,060	<u>-1,250</u> 5,060	<u>-1,250</u> 5,060	<u>-1,250</u> 5,060	<u>0</u> 6,310				
Total Local			5,000	5,000	5,000	3,000	3,000	3,000	3,000	3,000	0,310				
State/Fed			<u>3,821</u>	<u>3,821</u>	3,821	3,821	<u>3,821</u>	<u>3,821</u>	<u>3,821</u>	3,821	<u>3,821</u>				
Total			8,881	8,881	8,881	8,881	8,881	8,881	8,881	8,881	10,131				
Land Acquisition (Cumulative)			45 272	E0 222	EE 201	60.451	CE E11	70 574	75 620	80.600	97.000				
Local ¹ State/Fed			45,272 25,429	50,332 29,251	55,391 33,072	60,451 36,893	65,511 40,715	70,571 44,536	75,630 48,357	80,690 52,179	87,000 56,000				
Local - HANS/JPR Dedications			1,250	2,500	3,750	<u>5,000</u>	6,250	7,500	8,750	10,000	10,000				
Total			71,951	82,082	92,213	102,344	112,476	122,607	132,738	142,869	153,000				
Management and Monitoring Costs															
Reserve Summary		Responsibility													
	Monitoring	Management													
State/ Federal	_	-													
PQP ARL	RCA RCA	State/ Fed State	282,000 25,429	282,000 29,251	282,000 33,072	282,000 36,893	282,000 40,715	282,000 44,536	282,000 48,357	282,000 52,179	282,000 56,000				
Total	RCA	State	307,429	<u>29,251</u> 311,251	315,072	318,893	322,715	326,536	330,357	334,179	338,000				
<u>Local</u>			307,423	311,231	313,072	310,033	322,7 13	320,330	330,337	334,173	330,000				
PQP	RCA	Non-RCA Local	65,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000				
ARL	RCA	RCA	46,522	<u>52,832</u>	<u>59,141</u>	<u>65,451</u>	71,761	<u>78,071</u>	84,380	90,690	97,000				
Total			111,522	117,832	124,141	130,451	136,761	143,071	149,380	155,690	162,000				
Total Acres under RCA Managemer	nt		46,522	52,832	59,141	65,451	71,761	78,071	84,380	90,690	97,000				
Total Acres under RCA Monitoring			418,951	429,082	439,213	449,344	459,476	469,607	479,738	489,869	500,000				
COSTS (all constant 2019 dollars)															
Land Acquisition Costs															
Local, ARL, Annual	\$14,28	88 \$/Acre	\$72,294,065	\$72,294,065	\$72,294,065	\$72,294,065	\$72,294,065	\$72,294,065	\$72,294,065	\$72,294,065	\$90,154,055				
Land Transaction Costs	5	% of acquisition costs	\$3,614,703	\$3,614,703	\$3,614,703	\$3,614,703	\$3,614,703	\$3,614,703	\$3,614,703	\$3,614,703	\$4,507,703				
Total, Land Acquisition Costs Local, ARL, Cumulative			\$75,908,768 \$75,908,768	\$75,908,768 \$151,817,536	\$75,908,768 \$227,726,304	\$75,908,768 \$303,635,072	\$75,908,768 \$379,543,840	\$75,908,768 \$455,452,608	\$75,908,768 \$531,361,376	\$75,908,768 \$607,270,144	\$94,661,758 \$701,931,902				
Local, AIXE, Cumulative			φ13,900,100	φ151,017,550	Ψ221,120,304	ψ505,055,072	ψ57 9,545,640	ψ433,432,000	ψ331,301,370	φοστ,210,144	Ψ/01,931,902				
Management and Monitoring Costs															
Management, Annual	\$32.7	'0 \$/Acre	\$1,521,340	\$1,727,681	\$1,934,021	\$2,140,361	\$2,346,702	\$2,553,042	\$2,759,382	\$2,965,723	\$3,172,063				
Management Cumulative			\$1,521,340	\$3,249,021	\$5,183,042	\$7,323,403	\$9,670,105	\$12,223,147	\$14,982,530	\$17,948,252	\$21,120,315				
Monitoring, Annual	\$3.0	1 \$/Acre	\$1,262,531	\$1,293,061	\$1,323,592	\$1,354,122	\$1,384,653	\$1,415,184	\$1,445,714	\$1,476,245	\$1,506,776				
Monitoring Cumulative			\$1,262,531	\$2,555,592	\$3,879,184	\$5,233,306	\$6,617,959	\$8,033,143	\$9,478,857	\$10,955,102	\$12,461,878				
Endowment Costs															
Net Endowment Funding, Annual			\$22,168,105	\$22,168,105	\$22,168,105	\$22,168,105	\$22,168,105	\$22,168,105	\$22,168,105	\$22,168,105	\$22,168,105				
Net Endowment Funding, Cumulative			\$22,168,105	\$44,336,210	\$66,504,316	\$88,672,421	\$110,840,526	\$133,008,631	\$155,176,736	\$177,344,842	\$199,512,947				
2															
Administrative Costs 2			\$2.200 ADE	¢2 200 405	¢2 200 40F	¢2 200 40F	¢2 200 40F	¢2 200 405	¢2 200 405	\$2,288,495	\$2,200,405				
RCA Staff Costs Professional Services			\$2,288,495 \$1,466,062	\$2,288,495 \$1,466,062	\$2,288,495 \$1,466,062	\$2,288,495 \$1,466,062	\$2,288,495 \$1,466,062	\$2,288,495 \$1,466,062	\$2,288,495 \$1,466,062	\$2,288,495 \$1,466,062	\$2,288,495 \$1,466,062				
Loan Repayment ³			\$1,000,000	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0				
Other			\$400,254	\$400,254	\$400,254	\$400,254	\$400,254	\$400,254	\$400,254	\$400,254	\$400,254				
Total Annual			\$5,154,811	\$5,154,811	\$4,154,811	\$4,154,811	\$4,154,811	\$4,154,811	\$4,154,811	\$4,154,811	\$4,154,811				
Cumulative Costs			\$5,154,811	\$10,309,622	\$14,464,433	\$18,619,244	\$22,774,055	\$26,928,866	\$31,083,677	\$35,238,488	\$39,393,299				
TOTAL ALL COSTS															
TOTAL Annual			\$106,015,555	\$106,252,426	\$105,489,297	\$105,726,168	\$105,963,039	\$106,199,910	\$106,436,781	\$106,673,652	\$125,663,513				
TOTAL Cumulative			\$106,015,555	\$212,267,981	\$317,757,279	\$423,483,447	\$529,446,486	\$635,646,396	\$742,083,177	\$848,756,829	\$974,420,341				
,															

^{1.} All local land conserved to date, including all HANS dedications to date, are captured in the year 17 number.

^{2.} RCA Administrative Costs are based on a three year average of FY 2016-17 through FY 2018-19 actual costs, adjusted to 2019 dollars.

^{3.} Annual administrative costs decrease in year 19 due to assumption that loan repayment is completed.

All Implementation Costs Over Time – 5 Year Extension

	End of:															
Habitat Lands/	Factors		17	18	19	20	21	22	23	24	25	26	27	28	29	30
Cost Items			2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
ACRES																
Land Acuisition Costs Land Acquisition (Annual)																
Local			4,056	4,056	4,056	4,056	4,056	4,056	4,056	4,056	4,056	4,056	4,056	4,056	4,056	4,056
(less) HANS/JPR Dedications			<u>-1,250</u>	<u>-1,250</u>	<u>-1,250</u>	<u>-1,250</u>	<u>-1,250</u>	<u>-1,250</u>	<u>-1,250</u>	<u>-1,250</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Local			2,806	2,806	2,806	2,806	2,806	2,806	2,806	2,806	4,056	4,056	4,056	4,056	4,056	4,056
State/Fed			<u>2,457</u>	<u>2,457</u>	<u>2,457</u>	<u>2,457</u>	<u>2,457</u>	<u>2,457</u>	<u>2,457</u>	<u>2,457</u>	<u>2,457</u>	<u>2,457</u>	<u>2,457</u>	<u>2,457</u>	2,457	<u>2,457</u>
Total	۵)		5,263	5,263	5,263	5,263	5,263	5,263	5,263	5,263	6,513	6,513	6,513	6,513	6,513	6,513
Land Acquisition (Cumulative Local ¹	e)		43,018	45,825	48,631	51,437	54,243	57,050	59,856	62,662	66,719	70,775	74,831	78,887	82,944	87,000
State/Fed			24,065	26,521	28,978	31,434	33,891	36,347	38,804	41,261	43,717	46,174	48,630	51,087	53,543	56,000
Local - HANS/JPR Dedications	;		<u>1,250</u>	<u>2,500</u>	<u>3,750</u>	<u>5,000</u> 87,871	6,250	<u>7,500</u>	<u>8,750</u>	10,000	10,000	<u>10,000</u> 126,949	10,000	10,000	10,000	<u>10,000</u> 153,000
Total			68,333	74,846	81,359	07,071	94,384	100,897	107,410	113,923	120,436	126,949	133,461	139,974	146,487	153,000
Management and Monitoring	Costs															
Reserve Summary	Financia	al Responsibility														
	Monitoring	Management														
State/ Federal PQP	RCA	State/ Fed	282,000	282,000	282,000	282,000	282,000	282,000	282,000	282,000	282,000	282,000	282,000	282,000	282,000	282,000
ARL	RCA	State	<u>24,065</u>	<u>26,521</u>	28,978	31,434	33,891	<u>36,347</u>	38,804	41,261	43,717	46,174	48,630	<u>51,087</u>	53,543	<u>56,000</u>
Total			306,065	308,521	310,978	313,434	315,891	318,347	320,804	323,261	325,717	328,174	330,630	333,087	335,543	338,000
<u>Local</u> PQP	RCA	Non-RCA Local	65,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000
ARL	RCA	RCA	44,268	48,325	52,381	56,437	60,493	64,550	68,606	72,662	76,719	80,775	84,831	88,887	92,944	97,000
Total			109,268	113,325	117,381	121,437	125,493	129,550	133,606	137,662	141,719	145,775	149,831	153,887	157,944	162,000
Total Acres under RCA Mana Total Acres under RCA Monit	-		44,268 415,333	48,325 421,846	52,381 428,359	56,437 434,871	60,493 441,384	64,550 447,897	68,606 454,410	72,662 460,923	76,719 467,436	80,775 473,949	84,831 480,461	88,887 486,974	92,944 493,487	97,000 500,000
COSTS (all constant 2019 do	llare)															
Land Acquisition Costs	ilai 3)															
Local, ARL, Annual	\$14,288		\$40,096,188	\$40,096,188	\$40,096,188	\$40,096,188	\$40,096,188	\$40,096,188	\$40,096,188	\$40,096,188	\$57,956,178	\$57,956,178	\$57,956,178	\$57,956,178	\$57,956,178	\$57,956,178
Land Transaction Costs Total, Land Acquisition Costs	5%	of acquisition costs	\$2,004,809 \$42,100,997	\$2,004,809 \$42,100,997	\$2,004,809 \$42,100,997	\$2,004,809 \$42,100,997	\$2,004,809 \$42,100,997	\$2,004,809 \$42,100,997	\$2,004,809 \$42,100,997	\$2,004,809 \$42,100,997	\$2,897,809 \$60,853,987	\$2,897,809 \$60,853,987	\$2,897,809 \$60,853,987	\$2,897,809 \$60,853,987	\$2,897,809 \$60,853,987	\$2,897,809 \$60,853,987
Local, ARL, Cumulative			\$42,100,997	\$84,201,995	\$126,302,992	\$168,403,990	\$210,504,987	\$252,605,985	\$294,706,982	\$336,807,979	\$397,661,967	\$458,515,954	\$519,369,941	\$580,223,928	\$641,077,915	\$701,931,902
Management and Monitoring	Costs															
Management, Annual	\$32.70	\$/Acre	\$1,447,647	\$1,580,295	\$1,712,942	\$1,845,589	\$1,978,237	\$2,110,884	\$2,243,532	\$2,376,179	\$2,508,826	\$2,641,474	\$2,774,121	\$2,906,768	\$3,039,416	\$3,172,063
Management Cumulative			\$1,447,647	\$3,027,942	\$4,740,884	\$6,586,474	\$8,564,710	\$10,675,595	\$12,919,126	\$15,295,305	\$17,804,131	\$20,445,605	\$23,219,726	\$26,126,494	\$29,165,910	\$32,337,973
Monitoring, Annual	\$3.01	\$/Acre	\$1,251,627	\$1,271,254	\$1,290,880	\$1,310,507	\$1,330,134	\$1,349,761	\$1,369,388	\$1,389,015	\$1,408,641	\$1,428,268	\$1,447,895	\$1,467,522	\$1,487,149	\$1,506,776
Monitoring Cumulative			\$1,251,627	\$2,522,880	\$3,813,761	\$5,124,268	\$6,454,402	\$7,804,163	\$9,173,551	\$10,562,566	\$11,971,207	\$13,399,476	\$14,847,371	\$16,314,893	\$17,802,041	\$19,308,817
Endowment Costs																
Net Endowment Funding, Annu			\$13,180,608	\$13,180,608	\$13,180,608	\$13,180,608	\$13,180,608	\$13,180,608	\$13,180,608	\$13,180,608	\$13,180,608	\$13,180,608	\$13,180,608	\$13,180,608	\$13,180,608	\$13,180,608
Net Endowment Funding, Cum	ulative		\$13,180,608	\$26,361,215	\$39,541,823	\$52,722,430	\$65,903,038	\$79,083,645	\$92,264,253	\$105,444,860	\$118,625,468	\$131,806,076	\$144,986,683	\$158,167,291	\$171,347,898	\$184,528,506
Administrative Costs ²																
RCA Staff Costs			\$2,288,495	\$2,288,495	\$2,288,495	\$2,288,495	\$2,288,495	\$2,288,495	\$2,288,495	\$2,288,495 \$1,466,063	\$2,288,495	\$2,288,495	\$2,288,495	\$2,288,495	\$2,288,495	\$2,288,495
Professional Services Loan Repayment ³			\$1,466,062 \$1,000,000	\$1,466,062 \$1,000,000	\$1,466,062 \$0	\$1,466,062 \$0	\$1,466,062 \$0	\$1,466,062 \$0	\$1,466,062 \$0	\$1,466,062 \$0	\$1,466,062 \$0	\$1,466,062 \$0	\$1,466,062 \$0	\$1,466,062 \$0	\$1,466,062 \$0	\$1,466,062 \$0
Other			\$400,254	\$400,254	\$400,254	\$400,254	\$400,254	\$400,254	\$400,254	\$400,254	\$400,254	\$400,254	\$400,254	\$400,254	\$400,254	\$400,254
Total Annual Costs			\$5,154,811 \$5,154,811	\$5,154,811 \$10,300,633	\$4,154,811 \$14,464,433	\$4,154,811 \$18,610,244	\$4,154,811 \$22,774,055	\$4,154,811	\$4,154,811 \$31,083,677	\$4,154,811 \$35,339,489	\$4,154,811	\$4,154,811 \$43,548,111	\$4,154,811 \$47,702,022	\$4,154,811 \$51,857,733	\$4,154,811 \$56,012,544	\$4,154,811 \$60,167,355
Cumulative Costs			\$5,154,811	\$10,309,622	\$14,464,433	\$18,619,244	\$22,774,055	\$26,928,866	\$31,083,677	\$35,238,488	\$39,393,299	\$43,548,111	\$47,702,922	\$51,857,733	\$56,012,544	\$60,167,355
TOTAL ALL COSTS			#00.407.00 5	#00.00 7 .00 :	#00.440.005	400 500 515	Mag 7 4 4 707	фоо ост со:	# 00 0 10 005	# 00.004.045	# 00.400.075	# 00.050.445	# 00 444 405	#00 500 005	#00.715.07 0	# 00.000.046
TOTAL Annual TOTAL Cumulative			\$63,135,690 \$63,135,690	\$63,287,964 \$126,423,655	\$62,440,239 \$188,863,893	\$62,592,513 \$251,456,406	\$62,744,787 \$314,201,193	\$62,897,061 \$377,098,254	\$63,049,335 \$440,147,590	\$63,201,610 \$503,349,199	\$82,106,873 \$585,456,073	\$82,259,148 \$667,715,220	\$82,411,422 \$750,126,642	\$82,563,696 \$832,690,338	\$82,715,970 \$915,406,308	\$82,868,244 \$998,274,552
			+ - 5, . 55,555	, :==, :==,	, , ,	ţ,,,,	ŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢ	+=::,000, 2 0 F	÷ : :5, : : :,000	ŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢ	Ţ==3, .00,070	+,	Ţ. 13, 120,0 IZ	+ <u>-</u> ,000,000	+= : 3, :00,000	+5, <u>-</u> , 002

^{1.} All local land conserved to date, including all HANS dedications to date, are captured in the year 17 number.

^{2.} RCA Administrative Costs are based on a three year average of FY 2016-17 through FY 2018-19 actual costs, adjusted to 2019 dollars.

^{3.} Annual administrative costs decrease in year 19 due to assumption that loan repayment is completed.

All Implementation Costs Over Time – 10 Year Extension

			End of:																		
Habitat Lands/	Factors	_	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
Cost Items			2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
ACRES																					
Land Acuisition Costs																					
Land Acquisition (Annu	ual)																				
Local	ah aaa		2,989	2,989	2,989	2,989	2,989	2,989	2,989	2,989	2,989 0	2,989	2,989	2,989	2,989	2,989	2,989	2,989	2,989	2,989	2,989
(less) Anheuser Busch po (less) HANS/JPR Dedica			<u>-1,250</u>	<u>-1,250</u>	<u>-1,250</u>	<u>-1,250</u>	-1,250	<u>-1,250</u>	<u>-1,250</u>	<u>-1,250</u>	0	0	0	0	0	0	0	0	0	0	0 <u>0</u>
Total Local			1,739	1,739	1,739	1,739	1,739	1,739	1,739	1,739	2,989	2,989	2,989	2,989	2,989	2,989	2,989	2,989	2,989	2,989	2,989
State/Fed Total			<u>1,810</u> 3,549	<u>1,810</u> 3,549	<u>1,810</u> 3,549	<u>1,810</u> 3,549	<u>1,810</u> 3,549	<u>1,810</u> 3,549	<u>1,810</u> 3,549	<u>1,810</u> 3,549	<u>1,810</u> 4,799	<u>1,810</u> 4,799	<u>1,810</u> 4,799	<u>1,810</u> 4,799	<u>1,810</u> 4,799	<u>1,810</u> 4,799	<u>1,810</u> 4,799	<u>1,810</u> 4,799	<u>1,810</u> 4,799	<u>1,810</u> 4,799	<u>1,810</u> 4,799
Land Acquisition (Cum	ulative)		3,549	3,349	3,549	3,349	3,549	3,349	3,349	3,349	4,799	4,799	4,799	4,799	4,799	4,799	4,799	4,799	4,799	4,799	4,799
Local 1	,		41,951	43,690	45,429	47,167	48,906	50,645	52,384	54,123	57,112	60,100	63,089	66,078	69,067	72,056	75,045	78,033	81,022	84,011	87,000
State/Fed			23,418	25,228	27,038	28,848	30,659	32,469	34,279	36,089	37,899	39,709	41,519	43,329	45,139	46,949	,	50,570	52,380	54,190	56,000
Local - HANS/JPR Dedic	cations		<u>1,250</u>	<u>2,500</u>	3,750	<u>5,000</u>	<u>6,250</u>	<u>7,500</u>	<u>8,750</u>	10,000	<u>10,000</u>	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	<u>10,000</u>	10,000
Total			66,619	71,418	76,217	81,016	85,815	90,614	95,413	100,212	105,011	109,809	114,608	119,407	124,206	129,005	133,804	138,603	143,402	148,201	153,000
Management and Monit	Management and Monitoring Costs																				
Reserve Summary Financial Responsibility																					
Ctate / Forderal	Monitoring	Management																			
State/ Federal PQP	RCA	State/ Fed	282,000	282,000	282,000	282,000	282,000	282,000	282,000	282,000	282,000	282,000	282,000	282,000	282,000	282,000	282,000	282,000	282,000	282,000	282,000
ARL	RCA	State	23,418	25,228	27,038	28,848	30,659	32,469	34,279	36,089	37,899	39,709	41,519	43,329	45,139	46,949	48,760	50,570	52,380	54,190	56,000
Total			305,418	307,228	309,038	310,848	312,659	314,469	316,279	318,089	319,899	321,709	323,519	325,329	327,139	328,949	330,760	332,570	334,380	336,190	338,000
<u>Local</u>	50.																				
PQP ARL	RCA RCA	Non-RCA Local RCA	65,000 43,201	65,000 46,190	65,000 49,179	65,000 52,167	65,000 <u>55,156</u>	65,000 58,145	65,000 61,134	65,000 64,123	65,000 67,112	65,000 70,100	65,000 73,089	65,000 76,078	65,000 79,067	65,000 82,056	65,000 <u>85,045</u>	65,000 88,033	65,000 91,022	65,000 94,011	65,000 97,000
Total	ROA	NOA	108,201	111.190	114,179	117,167	120,156	123,145	126,134	129,123	132,112	135,100	138,089	141,078	144,067	147,056	150,045	153,033	156,022	159,011	162,000
			,	,	,	,	,	•	,	,		,	•	,	,	•	•	,	,	,	,
Total Acres under RCA	•		43,201	46,190	49,179	52,167	55,156	58,145	61,134	64,123	67,112	70,100	73,089	76,078	79,067	82,056	85,045	88,033	91,022	94,011	97,000
Total Acres under RCA	Monitoring		413,619	418,418	423,217	428,016	432,815	437,614	442,413	447,212	452,011	456,809	461,608	466,407	471,206	476,005	480,804	485,603	490,402	495,201	500,000
COSTS (all constant 20	19 dollars)																				
Land Acquisition Costs	_																				
Local, ARL, Annual	\$14,288		\$24,844,562	\$24,844,562	\$24,844,562	\$24,844,562	\$24,844,562	\$24,844,562	\$24,844,562	\$24,844,562	\$42,704,552	\$42,704,552	\$42,704,552	\$42,704,552	\$42,704,552	\$42,704,552	\$42,704,552	\$42,704,552	\$42,704,552	\$42,704,552	\$42,704,552
Land Transaction Costs		of acquisition costs	\$1,242,228	\$1,242,228	\$1,242,228	\$1,242,228	\$1,242,228	\$1,242,228	\$1,242,228	\$1,242,228	\$2,135,228	\$2,135,228	\$2,135,228	\$2,135,228	\$2,135,228	\$2,135,228	\$2,135,228	\$2,135,228	\$2,135,228	\$2,135,228	\$2,135,228
Total, Land Acquisition C	Costs		\$26,086,790	\$26,086,790	\$26,086,790	\$26,086,790	\$26,086,790	\$26,086,790	\$26,086,790	\$26,086,790	\$44,839,780	\$44,839,780	\$44,839,780	\$44,839,780	\$44,839,780	\$44,839,780	\$44,839,780	\$44,839,780	\$44,839,780	\$44,839,780	\$44,839,780
Local, ARL, Cumulative			\$26,086,790	\$52,173,581	\$78,260,371	\$104,347,161	\$130,433,952	\$156,520,742	\$182,607,532	\$208,694,323	\$253,534,102	\$298,373,882	\$343,213,662	\$388,053,442	\$432,893,222	\$477,733,002	\$522,572,782	\$567,412,562	\$612,252,342	\$657,092,122	\$701,931,902
Management and Monit	toring Costs																				
Management, Annual	\$32.70	S/Acre	\$1,412,740	\$1,510,480	\$1,608,220	\$1,705,961	\$1,803,701	\$1,901,441	\$1,999,181	\$2,096,921	\$2,194,661	\$2,292,402	\$2,390,142	\$2,487,882	\$2,585,622	\$2,683,362	\$2,781,102	\$2,878,843	\$2,976,583	\$3,074,323	\$3,172,063
Management Cumulative	9		\$1,412,740	\$2,923,220	\$4,531,441	\$6,237,402	\$8,041,102	\$9,942,543	\$11,941,725	\$14,038,646	\$16,233,307	\$18,525,709	\$20,915,851	\$23,403,733	\$25,989,355	\$28,672,717	\$31,453,819	\$34,332,662	\$37,309,245	\$40,383,568	\$43,555,631
Monitoring, Annual	\$3.01	S/Acre	\$1,246,462	\$1,260,924	\$1,275,386	\$1,289,847	\$1,304,309	\$1,318,771	\$1,333,233	\$1,347,695	\$1,362,157	\$1,376,619	\$1,391,081	\$1,405,542	\$1,420,004	\$1,434,466	\$1,448,928	\$1,463,390	\$1,477,852	\$1,492,314	\$1,506,776
Monitoring Cumulative	φο.σ.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	\$1,246,462	\$2,507,386	\$3,782,771	\$5,072,619	\$6,376,928	\$7,695,699	\$9,028,932	\$10,376,627	\$11,738,784	\$13,115,403	\$14,506,484	\$15,912,026	\$17,332,030	\$18,766,497	\$20,215,425	\$21,678,815	\$23,156,667	\$24,648,980	\$26,155,756
Endowment Costs Net Endowment Funding	Appual		\$8,966,410	\$8,966,410	\$8,966,410	\$8,966,410	\$8,966,410	\$8,966,410	\$8,966,410	\$8,966,410	\$8,966,410	\$8,966,410	\$8,966,410	\$8,966,410	\$8,966,410	\$8,966,410	\$8,966,410	\$8,966,410	\$8,966,410	\$8,966,410	\$8,966,410
Net Endowment Funding	''		\$8,966,410	\$17,932,819	\$26,899,229	\$35,865,639	\$44,832,049	\$53,798,458	\$62,764,868	\$71,731,278	\$80,697,687	\$89,664,097	\$98,630,507	\$107,596,917	\$116,563,326	\$125,529,736	\$134,496,146	\$143,462,556	\$152,428,965	\$161,395,375	\$170,361,785
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Administrative Costs ²																					
RCA Staff Costs			\$2,288,495	\$2,288,495	\$2,288,495	\$2,288,495	\$2,288,495	\$2,288,495	\$2,288,495	\$2,288,495	\$2,288,495	\$2,288,495	\$2,288,495	\$2,288,495	\$2,288,495	\$2,288,495	\$2,288,495	\$2,288,495	\$2,288,495	\$2,288,495	\$2,288,495
Professional Services Loan Repayment ³			\$1,466,062 \$1,000,000	\$1,466,062 \$1,000,000	\$1,466,062 \$0	\$1,466,062 \$0	\$1,466,062 \$0	\$1,466,062 \$0	\$1,466,062 \$0	\$1,466,062 \$0	\$1,466,062 \$0	\$1,466,062 \$0	\$1,466,062 \$0	\$1,466,062 \$0	\$1,466,062 \$0	\$1,466,062 \$0	\$1,466,062 \$0	\$1,466,062 \$0	\$1,466,062 \$0	\$1,466,062 \$0	\$1,466,062 \$0
Other			\$1,000,000 \$400,254	\$1,000,000 \$400,254	\$400,254	\$400,254	\$400,254	\$400,254	\$400,254	\$400,254	\$400,254	\$400,254	\$400,254	\$400,254	\$400,254	\$400,254	\$400,254	\$400,254	\$400,254	\$400,254	\$400,254
Total Annual Costs			\$5,154,811	\$5,154,811	\$4,154,811	\$4,154,811	\$4,154,811	\$4,154,811	\$4,154,811	\$4,154,811	\$4,154,811	\$4,154,811	\$4,154,811	\$4,154,811	\$4,154,811	\$4,154,811	\$4,154,811	\$4,154,811	\$4,154,811	\$4,154,811	\$4,154,811
Cumulative Costs			\$5,154,811	\$10,309,622	\$14,464,433	\$18,619,244	\$22,774,055	\$26,928,866	\$31,083,677	\$35,238,488	\$39,393,299	\$43,548,111	\$47,702,922	\$51,857,733	\$56,012,544	\$60,167,355	\$64,322,166	\$68,476,977	\$72,631,788	\$76,786,599	\$80,941,410
TOTAL ALL COSTS																					
TOTAL ALL COSTS TOTAL Annual			\$42,867,213	\$42,979,415	\$42,091,617	\$42,203,819	\$42,316,021	\$42,428,223	\$42,540,425	\$42,652,627	\$61,517,819	\$61,630,021	\$61,742,223	\$61,854,425	\$61,966,627	\$62,078,829	\$62,191,031	\$62,303,233	\$62,415,435	\$62,527,637	\$62,639,839
TOTAL Cumulative			\$42,867,213	\$85,846,628		\$170,142,065	\$212,458,086	\$254,886,309	\$297,426,735	\$340,079,362	\$401,597,181	\$463,227,202	\$524,969,425	\$586,823,850	\$648,790,477	\$710,869,307	\$773,060,338	\$835,363,571	\$897,779,006	\$960,306,644	\$1,022,946,483
													. ,				. ,				

All local land conserved to date, including all HANS dedications to date, are captured in the year 17 number.
 RCA Administrative Costs are based on a three year average of FY 2016-17 through FY 2018-19 actual costs, adjusted to 2019 dollars.
 Annual administrative costs decrease in year 19 due to assumption that loan repayment is completed.

All Implementation Costs Over Time – 15 Year Extension

														End of:											
Habitat Lands/ Fa	actors	17 2020	18 2021	19 2022	20 2023	21 2024	22 2025	23 2026	24 2027	25 2028	26 2029	27 2030	28 2031	29 2032	30 2033	31 2034	32 2035	33 2036	34 2037	35 2038	36 2039	37 2040	38 2041	39 2042	40 2043
ACRES Land Acuisition Co	nete																								
Land Acquisition (A		2,366	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Local (less) HANS/JPR De Total Local	edications	-1,250 1,116	2,366 <u>-1,250</u> 1,116	2,366 <u>-1,250</u> 1,116	<u>-1,250</u>	2,366 <u>-1,250</u> 1,116	2,366 <u>-1,250</u> 1,116	2,366 <u>-1,250</u> 1,116	2,366 <u>-1,250</u> 1,116	2,366 <u>0</u> 2,366	2,366 <u>0</u> 2,366	2,366 <u>0</u> 2,366	2,366 <u>0</u> 2,366	2,366 <u>0</u> 2,366	2,366 <u>0</u> 2,366	2,366 <u>0</u> 2,366	2,366 <u>0</u> 2,366	2,366 <u>0</u> 2,366	2,366 <u>0</u> 2,366	2,366 <u>0</u> 2,366	<u>0</u>	2,366 <u>0</u> 2,366	2,366 <u>0</u> 2,366	2,366 <u>0</u> 2,366	2,366 <u>0</u> 2,366
State/Fed Total		1,433 2,549	<u>1,433</u> 2,549	<u>1,433</u> 2,549		<u>1,433</u> 2,549		1,433 2,549	1,433 2,549	1,433 3,799	1,433 3,799	1,433 3,799	1,433 3,799	1.433 3,799	1,433 3,799	<u>1,433</u> 3,799	1,433 3,799	1,433 3,799	1,433 3,799	<u>1,433</u> 3,799		<u>1,433</u> 3,799	1,433 3,799	1,433 3,799	1,433 3,799
Land Acquisition (C Local ¹	Cumulative)	41,328	42,444	43,561	I 44,677	45,793	46,909	48,025	49,141	51,508	53,874	56,240	58,606	60,972	63,338	65,705	68,071	70,437	72,803	75,169	77,535	79,902	82,268	84,634	87,000
State/Fed Local - HANS/JPR D Total	Dedications	23,041 <u>1,250</u> 65,619	24,474 2,500 69,418	25,907 <u>3,750</u> 73,218	5,000	28,773 <u>6,250</u> 80,816	7,500	31,639 <u>8,750</u> 88,414	33,072 10,000 92,213	34,505 10,000 96,013	35,938 <u>10,000</u> 99,812	37,371 <u>10,000</u> 103,611	38,804 <u>10,000</u> 107,410	40,237 <u>10,000</u> 111,209	41,670 <u>10,000</u> 115,008	43,103 <u>10,000</u> 118,808	44,536 <u>10,000</u> 122,607	45,969 <u>10,000</u> 126,406	47,402 <u>10,000</u> 130,205	48,835 <u>10,000</u> 134,004	50,268 <u>10,000</u> 137,803	51,701 <u>10,000</u> 141,603	53,134 10,000 145,402	54,567 <u>10,000</u> 149,201	56,000 <u>10,000</u> 153,000
Management and M	Monitoring Costs				,	,	2.,2.2		3-,		,	,	,	,	,		.==,	,	,		,	,	,	,	,
-	Financial Responsibility Monitoring Managemer																								
State/ Federal PQP	RCA State/ Fed	282,000	282,000	282,000		282,000	282,000	282,000	282,000	282,000	282,000	282,000	282,000	282,000	282,000	282,000	282,000	282,000	282,000	282,000	282,000	282,000	282,000	282,000	282,000
ARL Total <u>Local</u>	RCA State	<u>23,041</u> 305,041	<u>24,474</u> 306,474	<u>25,907</u> 307,907	27,340 309,340	<u>28,773</u> 310,773	30,206 312,206	31,639 313,639	33,072 315,072	<u>34,505</u> 316,505	<u>35,938</u> 317,938	37,371 319,371	38,804 320,804	40,237 322,237	41,670 323,670	43,103 325,103	44,536 326,536	45,969 327,969	47,402 329,402	48,835 330,835	<u>50,268</u> 332,268	<u>51,701</u> 333,701	<u>53,134</u> 335,134	<u>54,567</u> 336,567	<u>56,000</u> 338,000
PQP	RCA Non-RCA Local	65,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000
ARL Total	RCA RCA	42,578 107,578	44,944 109,944	47,311 112,311	49,677 114,677	52,043 117,043	<u>54,409</u> 119,409	<u>56,775</u> 121,775	59,141 124,141	61,508 126,508	63,874 128,874	66,240 131,240	68,606 133,606	<u>70,972</u> 135,972	<u>73,338</u> 138,338	75,705 140,705	78,071 143,071	80,437 145,437	82,803 147,803	<u>85,169</u> 150,169	<u>87,535</u> 152,535	89,902 154,902	<u>92,268</u> 157,268	94,634 159,634	97,000 162,000
Total Acres under F		42,578 412,619	44,944 416,418	47,311 420,218	49,677 424,017	52,043 427,816	54,409 431,615	56,775 435,414	59,141 439,213	61,508 443,013	63,874 446,812	66,240 450,611	68,606 454,410	70,972 458,209	73,338 462,008	75,705 465,808	78,071 469,607	80,437 473,406	82,803 477,205	85,169 481,004	87,535 484,803	89,902 488,603	92,268 492,402	94,634 496,201	97,000 500,000
COSTS (all constant																									
Local, ARL, Annual	\$14,288 \$/Acre	\$15,947,780	\$15,947,780	\$15,947,780	\$15,947,780	\$15,947,780	\$15,947,780	\$15,947,780	\$15,947,780	\$33,807,771	\$33,807,771	\$33,807,771	\$33,807,771	\$33,807,771	\$33,807,771	\$33,807,771	\$33,807,771	\$33,807,771	\$33,807,771	\$33,807,771	\$33,807,771	\$33,807,771	\$33,807,771	\$33,807,771	\$33,807,771
Land Transaction Costs	5% of acquisition costs	\$797,389	\$797,389	\$797,389	\$797,389	\$797,389	\$797,389	\$797,389	\$797,389	\$1,690,389	\$1,690,389	\$1,690,389	\$1,690,389	\$1,690,389	\$1,690,389	\$1,690,389	\$1,690,389	\$1,690,389	\$1,690,389	\$1,690,389	\$1,690,389	\$1,690,389	\$1,690,389	\$1,690,389	\$1,690,389
Total, Land Acquisition	ion Costs	\$16,745,170	\$16,745,170			\$16,745,170	\$16,745,170	\$16,745,170	\$16,745,170	\$35,498,159	\$35,498,159	\$35,498,159	\$35,498,159	\$35,498,159	\$35,498,159	\$35,498,159	\$35,498,159	\$35,498,159	\$35,498,159	\$35,498,159	\$35,498,159	\$35,498,159	\$35,498,159	\$35,498,159	\$35,498,159
Cumulative		\$16,745,170	\$33,490,339	\$50,235,509	\$66,980,678	\$83,725,848	\$100,471,017	\$117,216,187	\$133,961,356	\$169,459,515	\$204,957,674	\$240,455,833	\$275,953,992	\$311,452,152	\$346,950,311	\$382,448,470	\$417,946,629	\$453,444,788	\$488,942,947	\$524,441,106	\$559,939,265	\$595,437,424	\$630,935,583	\$666,433,743	\$701,931,902
Management and M Management,	Monitoring Costs \$32.70 \$/Acre	\$1,392,378	\$1,469,755	\$1.547.133	\$1.624.511	\$1,701,888	\$1,779,266	\$1,856,643	\$1,934,021	\$2,011,399	\$2,088,776	\$2,166,154	\$2,243,532	\$2,320,909	\$2,398,287	\$2,475,664	\$2,553,042	\$2,630,420	\$2,707,797	\$2,785,175	\$2,862,553	\$2,939,930	\$3,017,308	\$3,094,685	\$3,172,063
Annual Management	φ32.70 φ/Acre	\$1,392,378	\$2,862,133	\$4,409,266		\$7,735,664	\$9,514,930	\$1,030,043	\$13,305,595	\$15,316,993	\$17,405,770	\$19,571,923	\$21,815,455	\$2,320,909	\$26,534,651	\$29,010,315	\$31,563,357	\$34,193,777	\$36,901,574	\$39,686,749	\$42,549,302	\$45,489,232	\$48,506,540	\$51,601,225	\$5,172,003
Cumulative Monitoring,																									
Annual Monitoring	\$3.01 \$/Acre	\$1,243,449 \$1,243,449	\$1,254,898 \$2,498,347	\$1,266,347 \$3,764,694	* * * * * * * * * * * * * * * * * * * *	\$1,289,245 \$6,331,735	\$1,300,694 \$7,632,429	\$1,312,143 \$8,944,572	\$1,323,592 \$10,268,163	\$1,335,041 \$11,603,204	\$1,346,490 \$12,949,694	\$1,357,939 \$14,307,633	\$1,369,388 \$15,677,021	\$1,380,837 \$17,057,857	\$1,392,286 \$18,450,143	\$1,403,735 \$19,853,878	\$1,415,184 \$21,269,062	\$1,426,633 \$22,695,694	\$1,438,082 \$24,133,776	\$1,449,531 \$25,583,307	\$1,460,980 \$27,044,286	\$1,472,429 \$28,516,715	\$1,483,878 \$30,000,593	\$1,495,327 \$31,495,919	\$1,506,776 \$33,002,695
Cumulative		Ψ1,210,110	ψΣ, 100,0 11	ψο, το τ, σο τ	40,0 12, 100	ψο,σο 1,7 σο	ψ1,002,120	φο,σ τ τ,σ τ	ψ10,200,100	ψ. 1,000,20 i	ψ12,010,001	ψ. 1,007,000	ψ.ο,ο,ο	ψ,σσ.,σσ.	\$10,100,110	\$10,000,010	\$21,200,002	Ψ Σ Σ,000,00 i	ψ <u>Σ</u> 1,100,110	Ψ20,000,007	Ψ27,0 1 1,200	Ψ20,010,110	\$30,000,000	ψο 1, 100,010	400,002,000
Net Endowment Funding, Annual		\$6,541,714	\$6,541,714	\$6,541,714	\$6,541,714	\$6,541,714	\$6,541,714	\$6,541,714	\$6,541,714	\$6,541,714	\$6,541,714	\$6,541,714	\$6,541,714	\$6,541,714	\$6,541,714	\$6,541,714	\$6,541,714	\$6,541,714	\$6,541,714	\$6,541,714	\$6,541,714	\$6,541,714	\$6,541,714	\$6,541,714	\$6,541,714
Net Endowment Funding, Cumulative		\$6,541,714	\$13,083,429	\$19,625,143	\$26,166,857	\$32,708,572	\$39,250,286	\$45,792,000	\$52,333,715	\$58,875,429	\$65,417,143	\$71,958,858	\$78,500,572	\$85,042,286	\$91,584,001	\$98,125,715	\$104,667,429	\$111,209,144	\$117,750,858	\$124,292,572	\$130,834,286	\$137,376,001	\$143,917,715	\$150,459,429	\$157,001,144
Administrative Cos	sts ²																								
RCA Staff Costs Professional Services	es	\$2,288,495 \$1,466,062	\$2,288,495 \$1,466,062	\$2,288,495 \$1,466,062		\$2,288,495 \$1,466,062	\$2,288,495 \$1,466,062	\$2,288,495 \$1,466,062	\$2,288,495 \$1,466,062	\$2,288,495 \$1,466,062	\$2,288,495 \$1,466,062	\$2,288,495 \$1,466,062	\$2,288,495 \$1,466,062	\$2,288,495 \$1,466,062	\$2,288,495 \$1,466,062	\$2,288,495 \$1,466,062	\$2,288,495 \$1,466,062	\$2,288,495 \$1,466,062	\$2,288,495 \$1,466,062	\$2,288,495 \$1,466,062	\$2,288,495 \$1,466,062	\$2,288,495 \$1,466,062	\$2,288,495 \$1,466,062	\$2,288,495 \$1,466,062	\$2,288,495 \$1,466,062
Loan Repayment ³ Other		\$1,000,000 \$400,254	\$1,000,000 \$400,254	\$0 \$400,254	**	\$0 \$400,254	\$0 \$400,254	\$0 \$400,254	\$0 \$400,254	\$0 \$400,254	\$0 \$400,254	\$0 \$400,254	\$0 \$400,254	\$0 \$400,254	\$0 \$400,254	\$0 \$400,254	\$0 \$400,254	\$0 \$400,254	\$0 \$400,254	\$0 \$400,254	\$0 \$400,254	\$0 \$400,254	\$0 \$400,254	\$0 \$400,254	\$0 \$400,254
Total Annual Costs Cumulative Costs		\$5,154,811 \$5,154,811	\$5,154,811 \$10,309,622		\$4,154,811 \$18,619,244	\$4,154,811 \$22,774,055	\$4,154,811 \$26,928,866	\$4,154,811 \$31,083,677	\$4,154,811 \$35,238,488	\$4,154,811 \$39,393,299	\$4,154,811 \$43,548,111	\$4,154,811 \$47,702,922	\$4,154,811 \$51,857,733	\$4,154,811 \$56,012,544	\$4,154,811 \$60,167,355	\$4,154,811 \$64,322,166	\$4,154,811 \$68,476,977	\$4,154,811 \$72,631,788	\$4,154,811 \$76,786,599	\$4,154,811 \$80,941,410	\$4,154,811 \$85,096,221	\$4,154,811 \$89,251,032	\$4,154,811 \$93,405,843	\$4,154,811 \$97,560,654	\$4,154,811 \$101,715,465
TOTAL ALL COSTS	<u>3</u>	¢24.077.524	\$24 466 240	¢20 255 475	\$20.244.004	\$20 A22 B22	\$20 E24 6E5	\$20,640,494	\$20,600,200	¢40 544 404	\$40,600,054	¢40 740 777	¢40 907 604	¢40 00c 420	\$40,00E,0E7	¢E0.074.094	\$50.462.040	¢60 054 707	\$E0 240 E62	¢50,400,000	\$50 F49 247	¢50.607.040	\$50 605 970	¢50.794.607	¢50 972 522
TOTAL Annual TOTAL Cumulative						\$30,432,828 \$153,275,874	\$30,521,655 \$183,797,528	\$30,610,481 \$214,408,009	\$30,699,308 \$245,107,317	\$49,541,124 \$294,648,441		\$49,718,777 \$393,997,169	\$49,807,604 \$443,804,773	\$49,896,430 \$493,701,203	\$49,985,257 \$543,686,460	\$50,074,084 \$593,760,544	\$50,162,910 \$643,923,454	\$50,251,737 \$694,175,191	\$50,340,563 \$744,515,754	\$50,429,390 \$794,945,144	\$50,518,217 \$845,463,361	\$50,607,043 \$896,070,404	\$50,695,870 \$946,766,274	\$50,784,697 \$997,550,971	\$50,873,523 \$1,048,424,494

All local land conserved to date, including all HANS dedications to date, are captured in the year 17 number.
 RCA Administrative Costs are based on a three year average of FY 2016-17 through FY 2018-19 actual costs, adjusted to 2019 dollars.
 Annual administrative costs decrease in year 19 due to assumption that loan repayment is completed.

APPENDIX II:

Detailed Time Series of Endowment Funding



Annual Cost Estimate for Management and Monitoring, Constant 2019\$

Cost Categories	Annual Cost by Last Year of Land Acquisition Period	Adjustment	Annual Post-Land Acquisition Cost
Ongoing Habitat Management	\$3,172,063	100%	\$3,172,063
Ongoing Habitat Monitoring	\$1,506,776	100%	\$1,506,776
Administration ¹	\$4,154,811	50%	\$2,077,406
Total	\$8,833,650		\$6,756,244

^{1.} Adminsitration includes salaries and benefits, accounting, auditing and reporting, contracts, etc.. Assumes less administration is needed following the land acquisition period; ongoing adminsitrative needs include oversight, auditing and reporting, and board staffing.

Sources: Western Riverside County Regional Conservation Authority; and Economic & Planning Systems, Inc.

Endowment Funding – No Extension Scenario

Item	1	2	3	4	5	6	7	8	9	Post-Permit
New Impact Acres (avg. annual)	2,252	2,252	2,252	2,252	2,252	2,252	2,252	2,252	2,252	
Average Per Acre Endowment Fee	\$9,845	\$9,845	\$9,845	\$9,845	\$9,845	\$9,845	\$9,845	\$9,845	\$9,845	
Annual Endowment Funding	\$22,168,105	\$22,168,105	\$22,168,105	\$22,168,105	\$22,168,105	\$22,168,105	\$22,168,105	\$22,168,105	\$22,168,105	
Endowment Balance	\$22,168,105	\$44,336,210	\$67,169,359	\$90,687,502	\$114,911,189	\$139,861,586	\$165,560,496	\$192,030,373	\$219,294,346	
Annual Interest	\$0	\$665,043	\$1,350,038	\$2,055,582	\$2,782,293	\$3,530,804	\$4,301,772	\$5,095,868	\$5,913,787	
Cumulative Interest Earnings	\$0	\$665,043	\$2,015,081	\$4,070,663	\$6,852,955	\$10,383,760	\$14,685,531	\$19,781,399	\$25,695,187	
Total Endowment	\$22,168,105	\$45,001,254	\$68,519,396	\$92,743,083	\$117,693,481	\$143,392,391	\$169,862,268	\$197,126,241	\$225,208,133	
Average Annual Post Permit Interest										\$6,756,244

⁽¹⁾ Endowment fee set to ensure that, at the end of the permit term, the total endowment (Including endowment fee revenues and interest) are sufficient to provide annual interest revenues equal to the post-permit annual cost. The real interest rate is assumed to be 3 percent annually.

<u>Assumptions</u>

20,265 impact acres developed

9 year plan

3% interest rate (real, net)

\$6,756,244 annual post-permit cost estimate

\$9,845 Endowment Funding Per Acre of Conservation

Endowment Funding – 5 Year Extension Scenario

Item	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Post-Permi
New Impact Acres (avg. annual)	2,252	2,252	2,252	2,252	2,252	2,252	2,252	2,252	2,252	2,252	2,252	2,252	2,252	2,252	
Average Per Acre Endowment Fee	\$5,854	\$5,854	\$5,854	\$5,854	\$5,854	\$5,854	\$5,854	\$5,854	\$5,854	\$5,854	\$5,854	\$5,854	\$5,854	\$5,854	
Annual Endowment Funding	\$13,180,608	\$13,180,608	\$13,180,608	\$13,180,608	\$13,180,608	\$13,180,608	\$13,180,608	\$13,180,608	\$13,180,608	\$13,180,608	\$13,180,608	\$13,180,608	\$13,180,608	\$13,180,608	
Endowment Balance	\$13,180,608	\$26,361,215	\$39,937,241	\$53,920,547	\$68,323,353	\$83,158,243	\$98,438,180	\$114,176,514	\$130,386,999	\$147,083,799	\$164,281,502	\$181,995,136	\$200,240,180	\$219,032,574	
Annual Interest	\$0	\$395,418	\$802,699	\$1,222,198	\$1,654,282	\$2,099,329	\$2,557,727	\$3,029,877	\$3,516,192	\$4,017,096	\$4,533,027	\$5,064,436	\$5,611,787	\$6,175,559	
Cumulative Interest Earnings	\$0	\$395,418	\$1,198,117	\$2,420,315	\$4,074,598	\$6,173,927	\$8,731,654	\$11,761,531	\$15,277,723	\$19,294,819	\$23,827,846	\$28,892,281	\$34,504,069	\$40,679,628	
Total Endowment	\$13,180,608	\$26,756,633	\$40,739,940	\$55,142,746	\$69,977,636	\$85,257,572	\$100,995,907	\$117,206,392	\$133,903,191	\$151,100,894	\$168,814,529	\$187,059,572	\$205,851,967	\$225,208,133	
Average Annual Post Permit Interes	st														\$6,756,2

⁽¹⁾ Endowment fee set to ensure that, at the end of the permit term, the total endowment (Including endowment fee revenues and interest) are sufficient to provide annual interest revenues equal to the post-permit annual cost. The real interest rate is assumed to be 3 percent annually.

<u>Assumptions</u>

31,523 impact acres developed

14 year plan

3% interest rate (real, net)

\$6,756,244 annual post-permit cost estimate

\$5,854 Endowment Funding Per Acre of Conservation

Endowment Funding – 10 Year Extension Scenario

Item	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	Post-Permit
New Impact Acres (avg. annual)	2,252	2,252	2,252	2,252	2,252	2,252	2,252	2,252	2,252	2,252	2,252	2,252	2,252	2,252	2,252	2,252	2,252	2,252	2,252	
Average Per Acre Endowment Fee	\$3,982	\$3,982	\$3,982	\$3,982	\$3,982	\$3,982	\$3,982	\$3,982	\$3,982	\$3,982	\$3,982	\$3,982	\$3,982	\$3,982	\$3,982	\$3,982	\$3,982	\$3,982	\$3,982	
Annual Endowment Funding	\$8,966,410	\$8,966,410	\$8,966,410	\$8,966,410	\$8,966,410	\$8,966,410	\$8,966,410	\$8,966,410	\$8,966,410	\$8,966,410	\$8,966,410	\$8,966,410	\$8,966,410	\$8,966,410	\$8,966,410	\$8,966,410	\$8,966,410	\$8,966,410	\$8,966,410	
Endowment Balance	\$8,966,410	\$17,932,819	\$27,168,221	\$36,680,686	\$46,478,524	\$56,570,297	\$66,964,823	\$77,671,185	\$88,698,738	\$100,057,118	\$111,756,249	\$123,806,354	\$136,217,962	\$149,001,918	\$162,169,393	\$175,731,892	\$189,701,266	\$204,089,722	\$218,909,831	
Annual Interest	\$0	\$268,992	\$546,054	\$831,428	\$1,125,363	\$1,428,117	\$1,739,952	\$2,061,143	\$2,391,970	\$2,732,721	\$3,083,695	\$3,445,198	\$3,817,547	\$4,201,065	\$4,596,089	\$5,002,964	\$5,422,046	\$5,853,699	\$6,298,303	
Cumulative Interest Earnings	\$0	\$268,992	\$815,047	\$1,646,475	\$2,771,838	\$4,199,955	\$5,939,907	\$8,001,051	\$10,393,020	\$13,125,742	\$16,209,437	\$19,654,635	\$23,472,182	\$27,673,247	\$32,269,336	\$37,272,301	\$42,694,347	\$48,548,046	\$54,846,349	
Total Endowment	\$8,966,410	\$18,201,812	\$27,714,276	\$37,512,114	\$47,603,887	\$57,998,413	\$68,704,775	\$79,732,328	\$91,090,708	\$102,789,839	\$114,839,944	\$127,251,552	\$140,035,508	\$153,202,983	\$166,765,482	\$180,734,856	\$195,123,312	\$209,943,421	\$225,208,133	
Average Annual Post Permit Interest																				\$6,756,244

⁽¹⁾ Endowment fee set to ensure that, at the end of the permit term, the total endowment (Including endowment fee revenues and interest) are sufficient to provide annual interest revenues equal to the post-permit annual cost. The real interest rate is assumed to be 3 percent annually.

Assumptions 42,782 impact acres developed

19 year plan
3% interest rate (real, net)
\$6,756,244 annual post-permit cost estimate
\$3,982 Endowment Funding Per Acre of Conservation

Endowment Funding – 15 Year Extension Scenario

Item	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
New Impact Acres (avg. annual)	2,252	2,252	2,252	2,252	2,252	2,252	2,252	2,252	2,252	2,252	2,252	2,252	2,252	2,252	2,252
Average Per Acre Endowment Fee	\$2,905	\$2,905	\$2,905	\$2,905	\$2,905	\$2,905	\$2,905	\$2,905	\$2,905	\$2,905	\$2,905	\$2,905	\$2,905	\$2,905	\$2,905
Annual Endowment Funding	\$6,541,714	\$6,541,714	\$6,541,714	\$6,541,714	\$6,541,714	\$6,541,714	\$6,541,714	\$6,541,714	\$6,541,714	\$6,541,714	\$6,541,714	\$6,541,714	\$6,541,714	\$6,541,714	\$6,541,714
Endowment Balance	\$6,541,714	\$13,083,429	\$19,821,394	\$26,761,499	\$33,909,807	\$41,272,564	\$48,856,204	\$56,667,353	\$64,712,836	\$72,999,684	\$81,535,138	\$90,326,655	\$99,381,917	\$108,708,838	\$118,315,566
Annual Interest	\$0	\$196,251	\$398,390	\$606,594	\$821,043	\$1,041,925	\$1,269,435	\$1,503,769	\$1,745,134	\$1,993,739	\$2,249,803	\$2,513,548	\$2,785,206	\$3,065,014	\$3,353,216
Cumulative Interest Earnings	\$0	\$196,251	\$594,642	\$1,201,235	\$2,022,278	\$3,064,204	\$4,333,638	\$5,837,407	\$7,582,541	\$9,576,280	\$11,826,083	\$14,339,631	\$17,124,837	\$20,189,851	\$23,543,067
Total Endowment	\$6,541,714	\$13,279,680	\$20,219,785	\$27,368,093	\$34,730,850	\$42,314,490	\$50,125,639	\$58,171,122	\$66,457,970	\$74,993,424	\$83,784,941	\$92,840,203	\$102,167,123	\$111,773,852	\$121,668,781

Average Annual Post Permit Interest

16	17	18	19	20	21	22	23	24	Post-Permit
2,252	2,252	2,252	2,252	2,252	2,252	2,252	2,252	2,252	
\$2,905	\$2,905	\$2,905	\$2,905	\$2,905	\$2,905	\$2,905	\$2,905	\$2,905	
\$6,541,714	\$6,541,714	\$6,541,714	\$6,541,714	\$6,541,714	\$6,541,714	\$6,541,714	\$6,541,714	\$6,541,714	
\$128,210,496	\$138,402,273	\$148,899,805	\$159,712,262	\$170,849,092	\$182,320,028	\$194,135,092	\$206,304,607	\$218,839,209	
\$3,650,063	\$3,955,817	\$4,270,743	\$4,595,116	\$4,929,221	\$5,273,349	\$5,627,801	\$5,992,887	\$6,368,925	
\$27,193,130	\$31,148,947	\$35,419,689	\$40,014,806	\$44,944,027	\$50,217,377	\$55,845,178	\$61,838,065	\$68,206,990	
\$131,860,559	\$142,358,090	\$153,170,547	\$164,307,378	\$175,778,314	\$187,593,377	\$199,762,893	\$212,297,494	\$225,208,133	

\$6,756,244

<u>Assumptions</u>

54,040 impact acres developed

24 year plan

3% interest rate (real, net)

\$6,756,244 annual post-permit cost estimate

\$2,905 Endowment Funding Per Acre of Conservation

⁽¹⁾ Endowment fee set to ensure that, at the end of the permit term, the total endowment (Including endowment fee revenues and interest) are sufficient to provide annual interest revenues equal to the post-permit annual cost. The real interest rate is assumed to be 3 percent annually.

Appendix G - TUMF 2016 Program Update Disposition of Network Change Requests

As part of the 2024 update of the TUMF Nexus Study, the list of proposed improvements to mitigate the cumulative regional impacts of new development in the TUMF Network Cost Estimate table included in the previously adopted Nexus Study was reviewed for accuracy. In particular, the Network Cost table was reviewed to ensure the included projects were consistent with the mitigation needs identified by the RivCoM future year no-build traffic conditions.

To assist in the review of the Network Cost Estimate table, participating local jurisdictions, private developers and the Riverside County Transportation Commission were asked to submit requests for changes to the TUMF Network. The various requests for network changes were subsequently reviewed for consistency with the program guidelines for inclusion on the TUMF Network and to determine if future traffic impacts would be sufficient to require mitigation primarily utilizing the RivCoM future no-build scenario outputs to quantify impacts as well as screening the various qualitative measures that have guided the TUMF Network development since program inception.

Based on the findings of the review of the entire TUMF network, elements of specific projects were revised to reflect only necessary network corrections, modifications to project assumptions and to incorporate a limited number of additional improvements. The preliminary results of the network review and the associated screening of specific requested projects was presented to the WRCOG Public Works Directors Committee (PWC) in August 2023. Updated screening results were presented to the PWC in February 2024 and the findings endorsed confirming the TUMF Network as the basis for the Draft 2024 Nexus Study that was subsequently presented to the PWC for review and comment in April 2024. A matrix summarizing the disposition of the specific project requests received as part of the 2024 TUMF Nexus Update is included as **Exhibit G-1** in this Appendix.

With the release of the Draft 2024 Nexus Update Study Report for a formal review period commencing on May 14, 2024, and ending on June 10, 2024, additional comments were provided to WRCOG staff by thirteen participating jurisdictions or other stakeholders. These comments were reviewed by WRCOG staff and responses were provided to each of the parties that submitted comments. The responses included several changes to the TUMF network to remedy typographical errors contained in the draft report, including misreporting in the number of existing lanes, project percent complete and interchange project type for approximately 10 TUMF network segments. The recommended network revisions were presented to the PWC on August 8, 2024, and are reflected in the TUMF network cost table included in **Exhibit H-1**.

EXHIBIT G-1 2024 TUMF Nexus Study Update - Network Addition Requests

Northwest Zone	
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City/ County	Street Name	From	То	Recommendation
Eastvale	Hellman		Walter	Add to network for continuity and mitigate future v/c deficiency
Eastvale	Hellman	Schleisman	Walter	Add to network for continuity and mitigate future v/c deficiency
Eastvale	Hellman	Cucamonga Creek	bridge	Add to network for continuity and mitigate future v/c deficiency
Eastvale	River Rd	Archibald	Hellman	Add to network for continuity and mitigate future v/c deficiency
Eastvale	Limonite ITS	city wide		Add to network for deficient links with no capacity increase
Eastvale	Hamner ITS	city wide		Add to networks for deficient links with no capacity increase
Eastvale	Schliesman ITS	city wide		Add to networks for deficient links with no capacity increase
Eastvale	Archibald ITS	city wide		Add to networks for deficient links with no capacity increase
Eastvale	Limonite	Cucamonga Creek	bridge	Bridge length increased to 500'
Riverside	3rd	Chicago	lowa	Do not add - no V/C deficiency and interchange overcrossing reconstructed to 4 lanes in 2006-2007
Riverside	La Sierra ITS	SR-91	Victoria	Add to network for deficient links with no capacity increase
Riverside	Madison ITS	SR-91	Victoria	Add to network for deficient links with no capacity increase
Riverside	University ITS	Market St	Canyon Crest	Add to network for deficient links with no capacity increase
Riverside	Tyler ITS	California Ave	Indiana Ave	Do not add - no V/C deficiency
Riverside	Alessandro Blvd ITS	Fairview Ave	Meridian	Add to network for deficient links with no capacity increase
County	Markham St	Mockingbird Canyon	Wood Rd	Do not add - no regional connectivity or V/C deficiency

Central Zone

one				
City/ County	Street Name	From	То	Recommendation
Menifee	Garbani	Haun	Antelope	Do not add - no future v/c deficiency
Menifee	Garbani	I-215	interchange	Add to network to mitigate future v/c deficiency
Menifee	Garbani	I-215	Menifee	Do not add - no future v/c deficiency
Menifee	Garbani	Menifee	Briggs	Do not add - no future v/c deficiency
Menifee	Holland	City Limits (West)	Murrieta	Do not add - no future v/c deficiency
Menifee	Holland	Murrieta	Bradley	Add to network for continuity and mitigate future v/c deficiency
Menifee	Holland	Bradley	Haun	Add to network for continuity and mitigate future v/c deficiency
Menifee	Holland	Antelope	Muenifee	Add to network for continuity and mitigate future v/c deficiency
Menifee	Scott	Haun	Menifee	Already on TUMF Network
Menifee	Scott	Menifee	Briggs	Already on TUMF Network
Menifee	Scott	Sunset	Murrieta	Aiready on TUMF Network
Menifee	Briggs	Simpson	Angler	Aiready on TUMF Network
Menifee	Briggs	Salt Creek	bridge	Aiready on TUMF Network
Perris	Ethanac	Bridge	San Jacinto River	Aiready on TUMF Network
Unincorporated	Grand Ave	Briggs Rd	SR-79	Do not add - no future v/c deficiency

San Jacinto Zone

City/ County	Street Name	From	То	Recommendation
Hemet	Stetson	Warren	0.85 Miles w/o Warren	Do not add - no regional connectivity or V/C deficiency
San Jacinto	7th St	Western Terminus	Warren Rd	Do not add - no future v/c deficiency
San Jacinto	7st St	Channel adjacent to Warren	bridge	Do not add - no future v/c deficiency

Pass Zone

City/ County	Street Name	From	То	Recommendation
Banning	Highland Springs	Cherry Valley	Oak Valley	Already on TUMF Network - no v/c deficiency
Banning	Cottonwood	I-10	interchange	Do not add - no connectivity to regional network
Banning	Wilson	Highland Springs	Highland Home	Already on TUMF Network - no v/c deficiency
Banning	Sun Lakes	Smith Creek	bridge	Segment already on TUMF Network - Bridge added

Southwest Zone

t Zone				
City/ County	Street Name	From	То	Recommendation
Lake Elsinore	Camino del Norte	Summerhill	Main	Do not add - no connectivity to regional network
Lake Elsinore	Summerhill	Railroad Canyon	Greenwald	Do not add - no regional connectivity or V/C deficiency
Lake Elsinore	Nichols	I-15	Lake	Already on TUMF Network
Wildomar	Inland Valley Dr	I-15	bridge	Do not add - no connectivity to regional network
Wildomar	Palomar	Starbuck	Washington	Already on TUMF Network
Wildomar	Bundy Canyon	I-15	City Limits (Sunset)	Already on TUMF Network
Murrieta	Orange Springs Parkway	Clinton Keith	Scott	Do not add - no regional connectivity or V/C deficiency
Murrieta	Calle del Oso Oro	Vineyard Pkwy	Washington	Do not add - no regional connectivity or V/C deficiency
Murrieta	Calle del Oso Oro	1500 w/o Vineyard Pkwy	bridge	Do not add - no regional connectivity or V/C deficiency
Murrieta	Adams	Murrieta Hot Springs/Hawthorne	Cherry	Do not add - no regional connectivity or V/C deficiency
Temecula	Ynez Road	Rancho California	Santiago	Do not add - no connectivity to regional network
Temecula	Ynez Road/DePortola Road	Santiago	Margarita	Do not add - no connectivity to regional network
Temecula	ITS	Major Arterials (Winchester, Rancho California, Butterfield Stage, Temecula Pkwy, Margarita, Jefferson	City limits	Add to network for deficient links with no capacity increase

Appendix H - TUMF Network Cost Estimate and Evaluation

For the purpose of calculating the "fair share" fee to be applied to new development under the TUMF program, a planning level cost estimate was developed to reflect the cost to complete improvements to the Regional System of Highways and Arterials to adequately accommodate future traffic growth. The planning level cost estimate was established by applying the unit cost values (presented in **Table 4.1**) to the proposed changes identified for the future Regional System of Highways and Arterials. The resultant cost value was tabulated for each unique segment of the network, by improvement type, based on the proposed list of improvements recommended following the review of the TUMF Network (as described in **Section 4.3**, **Appendix E** and **Appendix G**). A separate cost estimate was generated for regional transit improvements based on information provided by RTA and added to the summary table. The TUMF Network cost estimate table is summarized in **Table 4.4** of the Nexus Report. The detailed TUMF Network cost estimate table is included in this Appendix as **Exhibit H-1**. The detailed TUMF transit cost estimate table is included as **Table 4.5** of the Nexus Report.

Where existing obligated funding has previously been secured through traditional funding sources to complete necessary improvements to the TUMF Network, the cost of these improvements will not be recaptured from future developments through the TUMF program. As a result, the TUMF network cost was adjusted accordingly to reflect the availability of obligated funds.

WRCOG staff, in consultation with RCTC staff, reviewed the current Regional Transportation Improvement Program (RTIP) to identify transportation projects on the TUMF network that had previously secured alternate sources of funding. **Exhibit H-2** identifies those projects included on the TUMF Network having previously obligated funding.

To account for existing needs in the original TUMF Nexus Study, the cost for facilities identified as currently experiencing LOS E or F was adjusted by extracting the share of the cost to improve the portion of those facilities identified in the 2018 Baseline network scenario with a volume to capacity ratio of greater than 0.90, which is the threshold for LOS E. The adjustment to account for existing need as part of the TUMF Nexus Study provides for the mitigation of incremental traffic growth on those facilities with existing need.

The following approach was applied to account for incremental traffic growth associated with new development as part of the existing need methodology:

1. 1. Facilities with an existing need were identified by reviewing the RivCoM 2018 Baseline scenario assigned traffic on the 2021 existing network and delineating those facilities included on the TUMF Cost Fee Summary Table that have an average directional v/c exceeding 0.90.

H-1

a. Weighted directional v/c values were used to determine existing need for network segments, which was calculated by:

- i. Determining the length for the portion of each segment (model link), and calculating the ratio of link length to the overall segment length
- ii. Generating the average directional v/c for each link, for both directions in AM and PM periods, and multiplying by link/segment length ratio
- iii. Determining the maximum peak-period peak-direction v/c for each link, representing the highest directional v/c in either AM or PM
- iv. Calculating weighted average v/c for each TUMF segment, based on the sum of all weighted max v/c values of each link within a segment
- b. A similar method was used to determine existing need for spot improvements including interchanges, railroad crossings and bridges. However, no weighting was used in the calculation of existing need for spot improvements. For these facilities, the peak-period peak-direction v/c values (highest directional v/c in either AM or PM) were utilized in the existing need calculation. This was based on the individual link within a network segment where a bridge or railroad crossing is located, or onand off-ramps in the case of interchanges.
- 2. Initial costs of addressing the existing need were calculated by estimating the share of a particular roadway segments "new lane" cost, or individual spot improvement cost (including all associated ROW and soft costs).
- 3. Incremental growth in v/c was determined by comparing the average directional base year v/c for the TUMF facilities (delineated under step one) with the horizon year v/c for the corresponding segments and spot improvements calculated based on the RivCoM 2045 No-Build scenario assigned traffic on the 2021 existing network using the same methodology as the base year v/c.
- 4. The proportion of the incremental growth attributable to new development was determined by dividing the result of step three with the total 2045 No-Build scenario v/c in excess of LOS E.
- 5. For those segments experiencing a net increase in v/c over the base year, TUMF will 'discount' the cost of existing need improvements by the proportion of the incremental v/c growth through 2045 No-Build compared to the 2018 Baseline v/c (up to a maximum of 100%).

Exhibit H-2 includes a detailed breakdown of the existing highway improvement needs on the TUMF network, including the associated unfunded improvement cost estimate for each segment experiencing unacceptable LOS.

For transit service improvements, the cost to provide for existing demand was determined by multiplying the total transit component cost by the share of future

projected daily bus transit ridership representing existing demand. **Exhibit H-3** reflects the calculation of the existing transit need share and the existing transit need cost.

To validate the effectiveness of the TUMF Network improvements to mitigate the cumulative regional transportation impacts of new development in Western Riverside County, the future TUMF Network was evaluated. The proposed improvements to the Regional System of Highways and Arterials were coded on the 2021 existing network derived from RivCoM and the model was run to determine the relative impacts on traffic conditions. To quantify the impacts of the TUMF Network improvements, the various traffic measures of effectiveness described in **Section 3.1** for the 2018 Baseline and 2045 No-Build scenarios were calculated for the 2045 TUMF Build network scenario. The results for VMT, VHT, VHD, and total VMT experiencing unacceptable level of service (LOS E) were then compared to the results presented in **Table 3.1** for the no-build conditions. The consolidated results are provided in **Table 4.6**.

EXHIBIT		Network Detailed	l Cost Estimate																				dated: July 23, 2024
AREA PLAN [STREETNAME	SEGMENTFROM	SEGMENTTO			LN FUTURELN % CC	MPLETE INCRE		LANDUSE INTERCH	HG BRIDGE	RRXING ITS	NE	EWLNCOST RO	OWCOST IN	NTCHGCOST	BRDGCOST R	RXCOST ITSCOST	PLNG E	NG	CONTIG TOT	AL COST MA	XIMUM TUMF SHARE
Central Central	Menifee Menifee	Ethanac Ethanac	Goetz Murrieta	Murrieta I-215	Backbone Backbone	0.99 0.90	4 4	0% 0%	0.00	1 2	0	0 0	0	\$0 \$0	\$0 \$0	\$(0 \$0 0 \$0	\$0 \$0	\$0 \$0 \$0 \$0	\$1 \$1	50 \$0 50 \$0	\$0 \$0	\$0 \$0
Central	Menifee	Ethanac	1-215	interchange	Backbone	0.00	0 0	0%	0.00	1 2	3	0 0	0	\$0	\$0	\$22,550,000		\$0 \$0	\$0 \$2,255,000	\$5,638,00		\$32,698,000	\$32,698,000
Central	Menifee	Ethanac	Sherman	Matthews	Backbone	0.61	2 4	0%	1.23	1 3	0	0 0	0	\$1,388,000	\$601,000	\$0	0 \$0	\$0	\$0 \$139,000	\$347,000	00 \$199,000	\$2,674,000	\$2,674,000
Central	Menifee	Ethanac	BNSF San Jacinto Branch	railroad crossing	Backbone	0.00	2 4	0%	0.00	1 3	0	0 1	0	\$0	\$0	\$0	0 \$0	\$72,800,000	\$0 \$7,280,000	\$18,200,000		\$105,560,000	\$105,560,000
Central	Menifee	Menifee	SR-74 (Pinacate)	Simpson	Backbone	2.50	2 4	88%	0.60	1 3	0	0 0	0	\$678,000	\$294,000	\$(0 \$0	\$0	\$0 \$68,000	\$170,000		\$1,307,000	\$1,307,000
Central Central	Menifee Menifee	Menifee Menifee	Salt Creek Simpson	bridge Aldergate	Backbone Backbone	0.00 0.64	2 4 1 1	0% 0%	0.00	1 3	0	0 0	0	\$U \$0	\$U \$0	\$(\$)	0 \$3,024,000	\$O	\$0 \$302,000 \$0 \$0	\$756,00	0 \$302,000	\$4,384,000 \$0	\$4,384,000 \$0
Central	Menifee	Menifee	Aldergate	Newport	Backbone	0.98	4 4	0%	0.00	1 3	Ö	0 0	0	\$0	\$0	\$(5 \$0	\$0	\$0 \$0	\$1	50 \$0	\$0	\$0
Central	Menifee	Menifee	Newport	Holland	Backbone	1.07	4 4	0%	0.00	1 3	0	0 0	0	\$0	\$0	\$0	0 \$0	\$0	\$0 \$0	\$1	50 \$0	\$0	\$0
Central	Menifee	Menifee	Holland	Garbani	Backbone	1.03	4 4	0%	0.00	1 3	0	0 0	0	\$0	\$0	\$0	0 \$0	\$ O	\$0 \$0	\$1	50 \$0	\$0	\$0
Central	Menifee	Menifee	Garbani	Scott	Backbone	1.00 0.53	2 4	0%	2.00	1 3	0	0 0	0	\$2,260,000	\$978,000	\$(0 \$0	\$0	\$0 \$226,000 \$0 \$0	\$565,000		\$4,353,000	\$4,353,000
Central Central	Menifee Menifee	Menifee/Whitewood Newport	Scott Goetz	Murrieta City Limit Murrieta	Backbone Backbone	1.81	4 4	0% 0%	0.00	1 3	0	0 0	0	\$U \$0	\$U \$0	\$(\$)) \$0 n \$n	\$O	\$0 \$0 \$0 \$0	\$1	50 \$0 50	\$U \$0	\$U \$0
Central	Menifee	Newport	Murrieta	I-215	Backbone	1.99	4 6	87%	0.52	1 3	ő	0 0	0	\$586,000	\$254,000	\$0	50 \$0	\$0	\$0 \$59,000	\$147,00	0 \$84,000	\$1,130,000	\$1,130,000
Central	Menifee	Newport	I-215	Menifee	Backbone	1.02	6 6	0%	0.00	1 3	0	0 0	0	\$0	\$0	\$0	0 \$0	\$0	\$0 \$0	\$1	50 \$0	\$0	\$0
Central	Menifee	Newport	Menifee	Lindenberger	Backbone	0.77	6 6	0%	0.00	1 3	0	0 0	0	\$0	\$0	\$0	50 \$0	\$0	\$0 \$0	\$1	50 \$0	\$0	\$0
Central Central	Menifee Menifee	Newport Scott	Lindenberger I-215	SR-79 (Winchester)	Backbone	3.58 1.98	6 6	0% 0%	0.00 3.96	1 3	0	0 0	0	\$0 \$4,483,000	\$0 \$1,941,000	\$0	50	\$0	\$0 \$0 \$0 \$448,000	\$1,121,00	60 \$0 00 \$642,000	\$0 \$8,635,000	\$0 \$8,635,000
Central	Menifee	Scott	I-215	Briggs interchange	Backbone Backbone	0.00	0 0	0%	0.00	1 3	0	0 0	0	\$0,400,000	\$1,741,000	\$(0 \$0	\$O	\$0 \$440,000	φ1,121,000 \$1	i0 \$642,000	\$0.000,000	\$0,000,000
Central	Menifee	Scott	Sunset	Murrieta	Backbone	1.01	2 4	0%	2.01	1 3	Ō	0 0	ō	\$2,278,000	\$986,000	\$0	0 \$0	\$0	\$0 \$228,000	\$570,00	0 \$326,000	\$4,388,000	\$4,388,000
Central	Menifee	Scott	Murrieta	I-215	Backbone	1.94	2 6	0%	7.77	1 3	0	0 0	0	\$8,799,000	\$3,809,000	\$0	0 \$0	\$ O	\$0 \$880,000	\$2,200,000		\$16,949,000	\$12,949,000
Central	Menifee	SR-74	Matthews	Briggs	Backbone	1.89	4 6	0%	3.79	1 3	0	0 0	0	\$4,285,000	\$1,855,000	\$0	0 \$0	\$0	\$0 \$429,000	\$1,071,000		\$8,254,000	\$8,254,000
Central Central	Moreno Valley Moreno Valley		I-215 Perris	Perris Nason	Backbone Backbone	3.52	4 6	75% 0%	1.76	1 2	0	0 0	0	\$1,992,000	\$9,574,000 \$0	\$(\$)) \$0 n \$n	\$O	\$0 \$199,000 \$0 \$0	\$498,00	0 \$1,157,000	\$13,420,000 \$0	\$13,420,000 \$0
Central	Moreno Valley		Nason	Moreno Beach	Backbone	0.99	2 2	0%	0.00	1 2	ő	0 0	0	\$0	\$0	\$0	50 \$0	\$0	\$0 \$0	\$1	60 \$0	\$0	\$0
Central	Moreno Valley		Moreno Beach	Gilman Springs	Backbone	4.13	2 4	0%	8.26	1 3	0	0 0	0	\$9,355,000	\$4,049,000	\$0	0 \$0	\$0	\$0 \$936,000	\$2,339,00		\$18,019,000	\$18,019,000
Central		Gilman Springs	SR-60	Alessandro	Backbone	1.67	2 4	0%	3.34	1 3	0	0 0	0	\$3,785,000	\$1,639,000	\$0	0 \$0	\$0	\$0 \$379,000	\$946,000	0 \$542,000	\$7,291,000	\$7,291,000
Central Central	Moreno Valley Moreno Valley	Gilman Springs	SR-60 Reche Vista	interchange Ironwood	Backbone Backbone	0.00	0 0	0% 0%	0.00	1 3	0	0 0	0	\$0	\$0	\$() \$0	\$0 \$0	\$0 \$0 \$0 \$0	\$1 \$1	50 \$0	\$0 \$0	\$0
Central	Moreno Valley		Ironwood	Sunnymead	Backbone	0.52	4 4	80%	0.00	1 2	ō	0 0	0	\$0 \$0	\$0	\$(5 \$0	\$0 \$0	\$0 \$0	\$1 \$1		\$0	\$0 \$0
Central	Moreno Valley	Perris	SR-60	interchange	Backbone	0.00	0 0	0%	0.00	1 2	3	0 0	0	\$0	\$0	\$22,550,000	0 \$0	\$0	\$0 \$2,255,000	\$5,638,00		\$32,698,000	\$11,192,000
Central	Moreno Valley		Sunnymead	Cactus	Backbone	2.00	4 4	25%	0.00	1 2	0	0 0	0	\$0	\$0	\$0	\$0	\$0	\$0 \$0	\$1		\$0	\$0
Central Central	Moreno Valley Moreno Valley		Cactus Country	Harley Knox Heacock	Backbone Backbone	3.64 0.44	6 6	0% 0%	0.00 0.88	2 2	0	0 0	0	\$0 \$1,531,000	\$0 \$4,787,000	\$0	ມ \$0 ດ ເດ	\$0 \$0	\$0 \$0 \$0 \$153,000	\$383,00		\$0 \$7,486,000	\$0 \$3,799,000
Central	Perris	11th/Case	Perris	Goetz	Backbone	0.30	2 4	0%	0.60	1 2	0	0 0	0	\$680,000	\$3,269,000	\$(0 \$0	\$O	\$0 \$68,000	\$170,000		\$4,582,000	\$4,582,000
Central	Perris	Case	Goetz	I-215	Backbone	2.36	2 4	42%	2.74	1 2	ō	0 0	ō	\$3,099,000	\$14,893,000	\$0	50 \$0	\$0	\$0 \$310,000	\$775,000		\$20,876,000	\$20,876,000
Central	Perris	Case	San Jacinto River	bridge	Backbone	0.00	2 4	0%	0.00	1 2	0	125 0	0	\$0	\$0	\$0	0 \$1,200,000	\$ O	\$0 \$120,000	\$300,000		\$1,740,000	\$1,235,000
Central Central	Perris Perris	Ethanac Ethanac	Keystone San Jacinto River	Goetz	Backbone Backbone	2.24 0.00	0 2	38% 0%	2.78 0.00	1 3	0	0 0	0	\$3,144,000	\$1,361,000	\$0	0 \$3,840,000	\$0	\$0 \$314,000 \$0 \$384,000	\$786,000 \$960,000		\$6,056,000 \$5,568,000	\$6,056,000 \$5,568,000
Central	Perris	Ethanac	I-215	bridge Sherman	Backbone	0.35	2 4	0%	0.70	1 2	0	0 0	0	\$789,000	\$3,793,000	\$(\$() \$3,640,000) \$0	\$0 \$0	\$0 \$79,000	\$197.00		\$5,316,000	\$5,316,000
Central	Perris	Goetz	Case	Ethanac	Backbone	2.16	2 4	84%	0.69	1 3	ō	0 0	ō	\$782,000	\$339,000	\$0	50 \$0	\$0	\$0 \$78,000	\$196,000		\$1,507,000	\$999,000
Central	Perris	Goetz	San Jacinto River	bridge	Backbone	0.00	2 4	0%	0.00	1 3	0	400 0	0	\$0	\$0	\$0	3,840,000	\$ O	\$0 \$384,000	\$960,000		\$5,568,000	\$3,398,000
Central	Perris	Mid-County (Placentia)	I-215 I-215	Perris	Backbone	0.87	0 4	41% 0%	2.05	1 2	0	0 0	0	\$2,324,000	\$11,169,000	\$0	50	\$0	\$0 \$232,000	\$581,00	0 \$1,349,000	\$15,655,000 \$0	\$15,655,000
Central Central	Perris Perris	Mid-County (Placentia) Mid-County (Placentia)	Perris	interchange Evans	Backbone Backbone	1.57	0 4	52%	3.01	1 2	0	0 0	0	\$3,412,000	\$16,398,000	\$(\$(0 \$0	\$0 \$0	\$0 \$341.000	\$853,00	10 \$1,981,000	\$22,985,000	\$22,985,000
Central	Perris	Mid-County (Placentia)	Perris Valley Storm Channel		Backbone	0.00	0 4	0%	0.00	1 2	Ō	300 0	ō	\$0	\$0	\$0	\$5,760,000	\$0	\$0 \$576,000	\$1,440,00		\$8,352,000	\$8,352,000
Central	Perris	Perris	Harley Knox	Ramona	Backbone	1.00	6 6	0%	0.00	1 3	0	0 0	0	\$0	\$0	\$0	0 \$0	\$ O	\$0 \$0	\$1	50 \$0	\$0	\$0
Central	Perris	Perris	Ramona	Citrus	Backbone	2.49 0.50	4 6	35% 0%	3.24 0.00	1 3	0	0 0	0	\$3,667,000	\$1,587,000	\$0	0 \$0	\$0	\$0 \$367,000 \$0 \$0	\$917,000		\$7,063,000 \$0	\$7,063,000
Central Central	Perris Perris	Perris Perris	Citrus Nuevo	Nuevo 11th	Backbone Backbone	1.75	6 6 2 4	74%	0.00	1 3	0	0 0	0	\$1,028,000	\$4,942,000	φ(12) \$U	\$U \$0	\$0 \$103,000	\$257,000		\$6,927,000	\$6,927,000
Central	Perris	Perris	I-215 overcrossing	bridge	Backbone	0.00	4 4	0%	0.00	1 2	ŏ	300 0	Ö	\$0	\$0	\$0	\$0	\$0	\$0 \$0	\$1	io \$0,7,000	\$0	\$0
Central	Perris	Ramona	I-215	Perris	Backbone	1.44	4 6	77%	0.66	1 2	0	0 0	0	\$748,000	\$3,595,000	\$0	0 \$0	\$0	\$0 \$75,000	\$187,00		\$5,039,000	\$5,039,000
Central	Perris	Ramona	I-215	interchange	Backbone	0.00	0 0	0%	0.00	1 2	3	0 0	0	\$0	\$0	\$22,550,000	0 \$0	\$0	\$0 \$2,255,000	\$5,638,00		\$32,698,000	\$7,725,000
Central Central	Perris Perris	Ramona Ramona	Perris Evans	Evans Mid-County (2,800 ft E of Rider)	Backbone Backbone	1.00 2.62	0 0	0% 0%	0.00 0.00	1 2	0	0 0	0	\$U \$0	\$U \$0	\$(\$)) \$0 n \$n	\$O	\$0 \$0 \$0 \$0	\$1 \$1		\$0 \$0	\$U \$0
Central	Perris	SR-74 (4th)	Ellis	I-215	Backbone	2.33	4 4	0%	0.00	1 2	Ö	0 0	0	\$0	\$0	\$(5 \$0	\$0	\$0 \$0	\$1		\$0	\$0
Central	Unincorporate		SR-74	Keystone	Backbone	1.07	0 2	0%	2.14	1 3	0	0 0	0	\$2,422,000	\$1,049,000	\$0	\$0	\$0	\$0 \$242,000	\$606,000		\$4,666,000	\$4,666,000
Central		d Gilman Springs	Alessandro	Bridge Road	Backbone	5.00 4.07	2 4	0%	9.99	2 3	0	0 0	0	\$17,389,000	\$4,897,000	\$0	0 \$0	\$0	\$0 \$1,739,000	\$4,347,00		\$30,601,000	\$30,601,000
Central Central	Unincorporate Unincorporate		Nuevo Evans	SR-74 (Pinacate) Ramona (2,800 ft E of Rider)	Backbone Backbone	0.77	0 4	6% 0%	7.65 3.08	3 3	0	0 0	0	\$8,662,000 \$7,238,000	\$3,749,000 \$1,509,000	\$(\$)) \$0 n \$n	\$O	\$0 \$866,000 \$0 \$724,000	\$2,166,000 \$1,810,000		\$16,684,000 \$12,156,000	\$16,684,000 \$12,156,000
Central		d Mid-County (Ramona)	Ramona (2,800 ft E of Rider)	Pico Avenue	Backbone	0.44	4 4	0%	0.00	1 3	Ö	0 0	0	\$0	\$0	\$(5 \$0	\$0	\$0 \$0 \$0	\$1,010,000		\$0	\$0
Central		d Mid-County (Ramona)	Pico Avenue	Bridge Road	Backbone	5.95	2 6	8%	21.91	1 3	0	0 0	0	\$24,800,000	\$10,735,000	\$0	\$0	\$0	\$0 \$2,480,000	\$6,200,00		\$47,769,000	\$47,769,000
Central		d Mid-County (Ramona)	San Jacinto River	bridge	Backbone	0.00	2 6	0%	0.00	1 3	0 1	,300 0	0	\$0	\$0	\$0		\$0	\$0 \$2,496,000	\$6,240,00	00 \$2,496,000	\$36,192,000	\$36,192,000
Central Central	Unincorporate Unincorporate	d Reche Canyon	San Bernardino County Reche Canyon	Reche Vista Country	Backbone Backbone	3.35 1.22	2 2	0% 0%	0.00	3 3	0	0 0	0	\$0	\$0	\$(0 \$0	\$0 \$0	\$0 \$0 \$0 \$0	\$1	50 \$0	\$0 \$0	\$0
Central	Unincorporate		Briggs	SR-79 (Winchester)	Backbone	3.04	2 2	0%	0.00	1 3	ő	0 0	0	\$0	\$0	\$0	50 \$0	\$0	\$0 \$0	\$1	60 \$0	\$0	\$0
Central	Unincorporate	d SR-74	Ethanac	Ellis	Backbone	2.72	4 4	0%	0.00	2 3	0	0 0	0	\$0	\$0	\$0	0 \$0	\$0	\$0 \$0	\$1	50 \$0	\$0	\$0
Northwest	Corona	Cajalco	I-15	Temescal Canyon	Backbone	0.50	4 4	0%	0.00	1 2	0	0 0	0	\$0	\$0	\$0	50	\$0	\$0 \$0	\$1	50 \$0	\$0	\$0
Northwest Northwest	Corona Corona	Cajalco Foothill	I-15 Paseo Grande	interchange Lincoln	Backbone Backbone	0.00	0 0	0% 0%	0.00	2 2	0	0 0	0	\$0	\$0	\$() \$0	\$0 \$0	\$0 \$0	\$1	50 \$0	\$0 \$0	\$0 \$0
Northwest	Corona	Foothill	Wardlow Wash	bridge	Backbone	0.00	4 4	0%	0.00	3 3	ō	300 0	0	\$0 \$0	\$0	\$(5 \$0	\$0 \$0	\$0 \$0	\$1	50 \$0	\$0	\$0
Northwest	Corona	Foothill	Lincoln	California	Backbone	2.81	4 4	0%	0.00	1 2	0	0 0	0	\$0	\$0	\$0	50	\$0	\$0 \$0	\$1	50 \$0	\$0	\$0
Northwest	Corona	Foothill	California	I-15	Backbone	0.89	4 4	0%	0.00	1 2	0	0 0	0	\$0	\$0	\$0	50	\$0	\$0 \$0	\$1	50 \$0	\$0	\$0
Northwest Northwest	Corona Corona	Green River Green River	SR-91 Dominguez Ranch	Dominguez Ranch Palisades	Backbone Backbone	0.52 0.56	6 6	0% 0%	0.00	2 2	0	0 0	U	\$0 &n	\$0 \$0	\$0) \$0 n &n	\$0 \$0	φυ \$0 \$0	\$1	50 \$0 50 \$0	\$0 \$0	\$0 \$0
Northwest	Corona	Green River	Palisades	Paseo Grande	Backbone	2.01	4 4	0%	0.00	2 2	ő	0 0	0	\$0	\$0	\$(50 \$0	\$0	\$0 \$0	\$1	io \$0	\$0	\$0
Northwest	Eastvale	Schleisman	San Bernardino County	600' e/o Cucamonga Creek	Backbone	0.65	6 6	0%	0.00	1 2	0	0 0	1	\$0	\$0	\$0	50	\$0 \$44	\$,000 \$45,000	\$112,00	0 \$45,000	\$648,000	\$648,000
Northwest	Eastvale	Schleisman	Cucamonga Creek	bridge	Backbone	0.00	6 6	0%	0.00	1 2	0	200 0	0	\$0	\$0	\$0	0 \$0	\$0	\$0 \$0	\$1	50 \$0	\$0	\$0
Northwest Northwest	Eastvale Eastvale	Schleisman Schleisman	600' e/o Cucamonga Creek	: Harrison Sumner	Backbone Backbone	0.87 0.49	6 6	0% 0%	0.00	1 2	0	0 0	1	\$0	\$0	\$0	J \$0		7,000 \$60,000 5,000 \$34,000	\$149,000 \$84,000		\$866,000 \$488,000	\$866,000 \$488,000
Northwest Northwest	Eastvale Eastvale	Schleisman Schleisman	Harrison Sumner	Scholar	Backbone Backbone	0.49	4 2 4	0%	1.00	1 2	0	0 0	1 0	\$1,132,000	\$5,440,000	\$(\$1	∪ ≱U ე \$∩	φυ \$33 \$0	\$0 \$113,000	\$84,000 \$283,000		\$488,000 \$7,625,000	\$488,000 \$7,625,000
Northwest	Eastvale	Schleisman	Scholar	A Street	Backbone	0.31	5 6	95%	0.02	1 2	ō	o o	ŏ	\$18,000	\$84,000	\$(\$0	\$0	\$0 \$2,000	\$5,00		\$119,000	\$119,000
Northwest	Eastvale	Schleisman	A Street	Hamner	Backbone	0.27	4 6	95%	0.03	1 2	0	0 0	0	\$31,000	\$149,000	\$0	\$0	\$0	\$0 \$3,000	\$8,00	00 \$18,000	\$209,000	\$209,000
Northwest	Jurupa Valley	Van Buren	SR-60	Bellegrave	Backbone	1.57	4 6	0%	3.14	1 2	0	0 0	0	\$3,552,000	\$17,071,000	\$0	\$0	\$0	\$0 \$355,000	\$888,000		\$23,928,000	\$10,461,000
Northwest Northwest	Jurupa Valley Riverside	Van Buren Alessandro	Bellegrave Arlington	Santa Ana River Trautwein	Backbone Backbone	3.99 2.42	4 6 6 4	0% 0%	7.99 0.00	2 2	0	0 0	U 1	\$9,041,000 \$0	\$43,446,000 \$0	\$0) \$0 n &n	\$0 \$0 \$1.66	\$0 \$904,000 2,000 \$166,000	\$2,260,000 \$416,000		\$60,900,000 \$2,410,000	\$0 \$2,410,000
Northwest	Riverside	Arlington	La Sierra	Magnolia	Backbone	5.84	4 4	0%	0.00	1 2	0	0 0	0	\$0	\$0	.\$() \$n	\$0 \$1,00	\$0 \$0	\$416,000		\$2,410,000	\$2,410,000
Northwest	Riverside	Arlington	Magnolia	Alessandro	Backbone	2.73	4 6	0%	5.46	2 2	Ö	0 0	ō	\$9,504,000	\$29,713,000	\$0	0 \$0	\$0	\$0 \$950,000	\$2,376,00	00 \$3,922,000	\$46,465,000	\$46,465,000
Northwest	Riverside	Van Buren	Santa Ana River	SR-91	Backbone	3.81	4 6	91%	0.69	1 2	0	0 0	0	\$776,000	\$3,731,000	\$0	0 \$0	\$0	\$0 \$78,000	\$194,00		\$5,230,000	\$4,392,000
Northwest Northwest	Riverside	Van Buren	SR-91	Mockingbird Canyon	Backbone	3.08 0.43	4 6	16%	5.18 0.00	1 2	0	0 0	0	\$5,863,000 \$0	\$28,174,000 \$0	\$0	J \$0	\$0 \$0	\$0 \$586,000 \$0 \$0	\$1,466,00		\$39,493,000 \$0	\$21,292,000 \$0
Northwest	Riverside Riverside	Van Buren Van Buren	Wood Trautwein	Trautwein Orange Terrace	Backbone Backbone	1.27	5 6	0% 22%	0.00	1 2	0	0 0	0	\$1,124,000	\$5,404,000	η. Δ	J .\$∩	φυ \$0	\$0 \$0 \$0 \$112,000	\$281,000		\$7,574,000	\$7,574,000
Northwest	Unincorporate		Trautwein	Vista Grande	Backbone	1.22	6 6	0%	0.00	2 2	ō	0 0	ŏ	\$0	\$0	\$0	50	\$0	\$0 \$0	\$1		\$0	\$0
Northwest	Unincorporate	d Alessandro	Vista Grande	I-215	Backbone	1.26	6 6	0%	0.00	2 2	0	0 0	0	\$0	\$0	\$0	0 \$0	\$0	\$0 \$0	\$1		\$0	\$0
Northwest Northwest	Unincorporate		El Sobrante	Harley John Harvil	Backbone Backbone	0.86 5.81	2 6	0%	3.46 21.83	2 3	0	0 0	0	\$6,012,000 \$24,716,000	\$1,693,000 \$118,776,000	\$0	0 \$0 0 \$0	\$0 \$0	\$0 \$601,000 \$0 \$2,472,000	\$1,503,000 \$6,179,000		\$10,580,000 \$166,492,000	\$9,817,000 \$166,492,000
Northwest	Unincorporate Unincorporate		Harley John Harvil	I-215	Backbone	0.28	4 6	6% 0%	0.57	1 3	0	0 0	0	\$24,716,000 \$643,000	\$118,778,000	η. Δ	D \$0	φυ \$0	\$0 \$2,472,000	\$6,179,000		\$1,238,000	\$1,238,000
Northwest	Unincorporate		Temescal Canyon	La Sierra	Backbone	3.21	2 6	2%	12.57	3 3	ō	o o	ŏ	\$29,533,000	\$6,158,000	\$0	\$0	\$0	\$0 \$2,953,000	\$7,383,00		\$49,596,000	\$35,953,000
Northwest	Unincorporate	d Cajalco	Temescal Wash	bridge	Backbone	0.00	2 6	0%	0.00	3 3	0	175 0	0	\$0	\$0	\$0		\$0	\$0 \$336,000	\$840,000	00 \$336,000	\$4,872,000	\$1,907,000
Northwest	Unincorporate		La Sierra Mackinghird Canyon	El Sobrante Wood	Backbone	6.11	2 6	0% 0%	24.44 8.84	3 3	0	0 0	0	\$57,434,000 \$10,010,000	\$11,976,000 \$48,104,000	\$(\$(\$0 \$0	\$0 \$5,743,000 \$0 \$1,001,000	\$14,359,000 \$2,503,000		\$96,453,000 \$67,429,000	\$96,453,000 \$67,429,000
Northwest Northwest	Unincorporate Unincorporate		Mockingbird Canyon Orange Terrace	Wood I-215	Backbone Backbone	4.42 1.89	6 6	0%	0.00	1 2	0	0 0	0	\$10,010,000	\$48,104,000 \$0	φι \$(\$0 \$0	\$0 \$1,001,000	\$2,503,00		\$67,429,000 \$0	\$67,429,000 \$0
			. 0	-			-			=	•	-	-	7.7	77	Ψ'	70	• =		Ψ'	***		**

ARFA PLAN [STREETNAME	SEGMENTFROM	SEGMENTTO	NFTWORK	MILES EXIS	STINGIN FUTURE	FIN % COMPLETE	E INCREASELN MILES TOPO	LANDUSE	INTERCHG	BRIDGE	RRXING	ITS	NEWLNCOST RO	OWCOST	INTCHGCOST	BRDGCOST	RRXCOST	ITSCOST	PLNG	ENG C	CONTIG		MAXIMUM TUMF SHARE
Pass	Banning	Highland Springs	Wilson (8th)	Sun Lakes	Backbone	0.76	4	4	0.00	1 2	2	0	0 () (\$0	\$0	\$0	\$(\$0	\$0	\$0	\$0	\$0	\$0	\$0
Pass	Banning	Highland Springs	I-10	interchange	Backbone	0.00	0		0.00	1 2	2	2	0 () (\$0	\$0	\$43,490,000	\$0) \$0	\$0	\$4,349,000	\$10,873,000			\$32,516,000
Pass	Banning	Highland Springs	Oak Valley (14th)	Wilson (8th)	Backbone	0.73	4		0.00	1 2	2	0	0 () (\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Pass Pass	Banning Bannina	Highland Springs I-10 Bypass South	Cherry Valley I-10	Oak Valley (14th) Morongo Trail (Apache Trail)	Backbone Backbone	1.53	2		0% 0.00 0% 6.57	1 2	2	0	0 (\$7,439,000	\$35.748.000	\$0	\$() \$0	\$0	\$744.000	\$0 \$1.860,000	\$4,319,000	\$0 \$50.110.000	\$0 \$50.110.000
Pass	Banning	I-10 Bypass South	I-10	interchange	Backbone	0.00	0		0% 0.00	1 2	<u>:</u>	2	0 () () \$7,437,000) \$0	\$33,746,000 \$0	\$43,490,000	φ(12) \$C	\$(\$4,349,000	\$10,873,000	\$4,349,000	\$63,061,000	\$63.061.000
Pass	Bannina	I-10 Bypass South	San Gorgonio	bridge	Backbone	0.00	Ö		0% 0.00	1 2	2	0 3	300		\$0	\$0	\$0	\$2.880.000	\$0	\$0	\$288.000	\$720,000	\$288,000	\$4,176,000	\$4,176,000
Pass	Banning	I-10 Bypass South	UP/Hargrave	railroad crossing	Backbone	0.00	0	2	0.00	1 2	2	0	0	(\$0	\$0	\$0	\$0	\$36,400,000	\$0	\$3,640,000	\$9,100,000	\$3,640,000	\$52,780,000	\$52,780,000
Pass	Beaumont	Beaumont	Oak Valley (14th)	I-10	Backbone	1.37	4		0.00	1 2	2	0	0 () (\$0	\$0	\$0	\$0) \$0	\$0	\$0	\$0	\$0	\$0	\$0
Pass	Beaumont	Potrero	Oak Valley (San Timoteo Co		Backbone	0.72	2		5% 0.50	1 3	3	0	0 () (\$571,000	\$247,000	\$0	\$0	\$0	\$0	\$57,000	\$143,000	\$82,000	\$1,100,000	\$1,100,000
Pass Pass	Beaumont Beaumont	Potrero Potrero	SR-60	interchange	Backbone Backbone	0.00	0		0.00 0% 0.00	1 3	3	2	0 () (\$0	\$0	\$43,490,000	\$0	\$07,000,000	\$0	\$4,349,000	\$10,873,000	\$4,349,000 \$2,760,000	\$63,061,000 \$40,020,000	\$29,561,000 \$40,020,000
Pass Pass	Beaumont	Potrero	Noble Creek	railroad crossing bridae	Backbone	0.00	4		0% 0.00 0% 0.00	1 3	3	0	500	: () \$0	\$U \$0	\$U	\$(\$27,600,000	φt ¢r	\$2,760,000	\$6,900,000	\$2,760,000	\$40,020,000 \$0	\$40,020,000 en
Pass	Beaumont	Potrero	SR-60	4th	Backbone	0.45	4		0% 0.00	1 3	,	0	0 (,	\$0	\$0	\$0	\$() \$0	\$(\$0	\$0	\$0	\$0	\$0
Pass	Beaumont	SR-79 (Beaumont)	I-10	California	Backbone	1.15	4		0% 0.00	1 2		0	0 (\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Pass	Beaumont	SR-79 (Beaumont)	I-10	interchange	Backbone	0.00	0	0	0.00	1 2	2	2	0 () (\$0	\$0	\$43,490,000	\$0) \$0	\$0	\$4,349,000	\$10,873,000	\$4,349,000	\$63,061,000	\$7,408,000
Pass	Calimesa	Cherry Valley	I-10	interchange	Backbone	0.00	0		0.00	1 3	3	2	0 () (\$0	\$0	\$43,490,000	\$0) \$0	\$0	\$4,349,000	\$10,873,000	\$4,349,000	\$63,061,000	\$59,773,000
Pass	Calimesa	Cherry Valley	Roberts St	Roberts Rd	Backbone	0.70	2		0% 1.40	1 3	3	0	0 () (\$1,585,000	\$686,000	\$0	\$0	\$0	\$0	\$159,000	\$396,000	\$227,000	\$3,053,000	\$3,053,000
Pass		ted Cherry Valley	Bellflower	Noble	Backbone	1.47 0.44	0		0% 2.94 0% 0.00	1 3	3	0	0 () (\$3,328,000	\$1,441,000	\$0	\$0	\$0	\$0	\$333,000	\$832,000	\$477,000	\$6,411,000	\$6,411,000
Pass		led Cherry Valley led Cherry Valley	Highland Springs Noble	Bellflower Roberts St	Backbone Backbone	3.25	2		0% 0.00 0% 0.00	1 3	3	0	0 () \$0	\$U \$0	\$U	\$() \$(φt ¢r	\$0	\$U \$0	\$U \$0	\$U \$0	\$U
Pass		led Cherry Valley	San Timoteo Wash	bridge	Backbone	0.00	2		0% 0.00	1 3	,	0 1	300) \$0)	\$0	\$0	φι \$1	5 \$6	\$(\$0	\$0	\$0 \$0	\$0	\$0
Pass		ted SR-79 (Lamb Canyon)	California	Gilman Springs	Backbone	5.23	4		0% 0.00	2 3	3	0	0 (\$0	\$0	\$0	\$(\$0	\$0	\$0	\$0	\$0	\$0	\$0
San Jacinto	Hemet	Domenigoni	Warren	Sanderson	Backbone	1.77	4	6	0% 3.54	1 3	3	0	0 () (\$4,011,000	\$1,736,000	\$0	\$0	\$0	\$0	\$401,000	\$1,003,000	\$575,000	\$7,726,000	\$7,726,000
San Jacinto	Hemet	Domenigoni	Sanderson	State	Backbone	2.14	4		0.00	1 3	3	0	0 () (\$0	\$0	\$0	\$0) \$0	\$0	\$0	\$0	\$0	\$0	\$0
San Jacinto	Hemet	SR-74	Winchester	Warren	Backbone	2.59	4		1% 4.62	1 2	2	0	0 () (\$5,227,000	\$25,117,000	\$0	\$0) \$0	\$0	\$523,000	\$1,307,000	\$3,034,000	\$35,208,000	\$35,208,000
San Jacinto	San Jacinto	Mid-County (Ramona)	Warren	Sanderson	Backbone	1.73	4		0.00	1 2	2	0	0 () (\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
San Jacinto	San Jacinto	Mid-County (Ramona)	Sanderson/SR-79 (Hemet By		Backbone	0.00	0		0.00	1 2	2	0	0 ((\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
San Jacinto	San Jacinto	Ramona Ramona	Sanderson State	State Main	Backbone Backbone	2.39	6		0% 0.00 0% 0.00	1 2	2	0	0 (\$0	\$0	\$0	\$() \$0	\$0	\$0	\$0	\$0	\$0	\$0
San Jacinto	San Jacinto	Ramona	Main	Cedar	Backbone	2.40	0		7% 4.13	1 2	2	0	0 (\$4.679.000	\$22,485,000	\$0 \$0	φ() \$(şı sı	\$468,000	\$1,170,000	\$2,716,000	\$31,518,000	\$26,928,000
San Jacinto	San Jacinto	Ramona	Cedar	SR-74	Backbone	1.10	4		0% 0.00	1 2)	0	0 () () \$0) \$0	\$0	\$0	\$(\$0	\$(\$0	\$0	\$0	\$0	\$0,720,000
San Jacinto	Unincorporat	ted Domenigoni	SR-79 (Winchester)	Warren	Backbone	3.10	4	6	0% 6.20	1 3	3	0	0 (\$7,013,000	\$3,036,000	\$0	\$0	\$0	\$0	\$701,000	\$1,753,000	\$1,005,000	\$13,508,000	\$13,508,000
San Jacinto	Unincorporat	ted Domenigoni	San Diego Aqueduct	bridge	Backbone	0.00	4		0.00	1 3	3	0 3	300 () (\$0	\$0	\$0	\$2,880,000	\$0	\$0	\$288,000	\$720,000	\$288,000	\$4,176,000	\$4,176,000
San Jacinto	Unincorporat	ted Gilman Springs	Bridge	Sanderson	Backbone	2.95	2		0.00	1 3	3	0	0 () (\$0	\$0	\$0	\$0) \$0	\$0	\$0	\$0	\$0	\$0	\$0
San Jacinto		ted Mid-County (Ramona)	Bridge	Warren	Backbone	2.35	2		0% 4.23	1 3	3	0	0 () (\$4,787,000	\$2,072,000	\$0	\$0) \$0	\$0	\$479,000	\$1,197,000	\$686,000	\$9,221,000	\$9,221,000
San Jacinto	Unincorporat		Briggs	SR-79 (Winchester)	Backbone	3.54	4		0% 7.07	1 3	3	0	0 () (\$8,004,000	\$3,465,000	\$0	\$0	\$0	\$0	\$800,000	\$2,001,000	\$1,147,000	\$15,417,000	\$15,417,000
San Jacinto		ted SR-79 (Hemet Bypass)	SR-74 (Florida)	Domenigoni	Backbone Backbone	3.22	0	_	1% 6.38 0% 0.00	1 3	5	0	300		\$7,217,000	\$3,124,000	\$0	\$2.880.000	50 \$0	\$0	\$722,000 \$288,000	\$1,804,000 \$720,000	\$1,034,000 \$288,000	\$13,901,000 \$4,176,000	\$13,901,000
San Jacinto San Jacinto		ted SR-79 (Hemet Bypass) ted SR-79 (Hemet Bypass)	San Diego Aqueduct Domeniaoni	bridge Winchester	Backbone	1.50	0		0% 0.00	1 3	3	0	300 (\$3,396,000	\$1,470,000	\$U	\$2,880,000) \$(φt ¢r	\$288,000	\$849,000	\$288,000 \$487,000	\$4,176,000	\$4,176,000 \$6,542,000
San Jacinto		ted SR-79 (San Jacinto Bypass)	Mid-County (Ramona)	SR-74 (Florida)	Backbone	6.50	0		0% 26.00	1 3	3	0	0 () (\$29,432,000	\$12,740,000	\$0	\$(\$0	\$(\$2,943,000	\$7,358,000	\$4,217,000	\$56,690,000	\$56,690,000
San Jacinto		led SR-79 (Sanderson)	Gilman Sprinas	Ramona	Backbone	1.58	4		0% 3.16	1 3	3	0	0 (\$3,582,000	\$1,550,000	\$0	\$(\$0	\$0	\$358,000	\$896,000	\$513,000	\$6,899,000	\$2,555,000
San Jacinto	Unincorporat	ted SR-79 (Sanderson)	San Jacinto River	bridge	Backbone	0.00	4	6	0.00	1 3	3	0 1,4	400 () (\$0	\$0	\$0	\$13,440,000	50 \$0	\$0	\$1,344,000	\$3,360,000	\$1,344,000	\$19,488,000	\$7,651,000
San Jacinto		ted SR-79 (Winchester)	Domenigoni	Keller	Backbone	4.90	4		3% 8.53	1 2	2	0	0 () (\$9,653,000	\$46,387,000	\$0	\$0) \$0	\$0	\$965,000	\$2,413,000	\$5,604,000	\$65,022,000	\$65,022,000
Southwest	Canyon Lake		Railroad Canyon	Newport	Backbone	0.50	4		0.00	2 2	2	0	0 () (\$0	\$0	\$0	\$0) \$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest		Railroad Canyon	Canyon Hills	Goetz	Backbone	1.95	6		0.00	2 2	2	0	0 () (\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest Southwest	Lake Elsinore		I-15 I-15	Canyon Hills interchange	Backbone Backbone	2.36 0.00	6		0% 0.00 0% 0.00	1 3	5	0	0 (\$0	\$0	\$0	\$(50 \$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest	Lake Elsinore		I-15	interchange	Backbone	0.00	0		0% 0.00	1 3) }	2	0 () \$0) \$0	\$O	\$43,490,000	φ() \$(şı sı	\$4.349.000	\$10,873,000	\$4,349,000	\$63,061,000	\$24,162,000
Southwest	Murrieta	Clinton Keith	Copper Craft	Toulon	Backbone	1.31	6	-	0% 0.00	1 3	3	0	0 () (\$0	\$0	\$0.	\$(\$0	\$(\$0	\$0	\$0	\$0	\$0
Southwest	Murrieta	Clinton Keith	Toulon	I-215	Backbone	0.90	4	6 4	7% 0.95	1 3	3	0	0 (\$1,078,000	\$466,000	\$0	\$0	\$0	\$0	\$108,000	\$270,000	\$154,000	\$2,076,000	\$2,076,000
Southwest	Murrieta	Clinton Keith	I-215	Whitewood	Backbone	0.75	6	6	0.00	1 3	3	0	0 () (\$0	\$0	\$0	\$0) \$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest	Murrieta	French Valley (Date)	Murrieta Hot Springs	Winchester Creek	Backbone	0.24	0		0% 0.96	1 2	2	0	0 () (\$1,087,000	\$5,222,000	\$0	\$0) \$0	\$0	\$109,000	\$272,000	\$631,000	\$7,321,000	\$7,321,000
Southwest	Murrieta	French Valley (Date)	Winchester Creek	Margarita	Backbone	0.61	4		0.00	1 2	2	0	0 () (\$0	\$0	\$0	\$0) \$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest	Murrieta	Whitewood	Menifee City Limit	Keller	Backbone	0.55	4		0.00	1 3	3	0	0 () (\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest	Murrieta	Whitewood	Keller	Clinton Keith	Backbone	2.00	4		0% 0.00 4% 0.52	1 3	3	0	0 () \$600,000	\$0.000.000	\$0	\$(50 \$0	\$0	\$58.000	\$0 \$146.000	\$339.000	\$0 \$3,929,000	\$3,929,000
Southwest Southwest	Temecula Temecula	French Valley (Cherry) French Valley (Cherry)	Jefferson Murrieta Creek	Diaz bridae	Backbone Backbone	0.56	0		4% U.52 0% 0.00	1 2	<u>:</u>)	0 4	420	, (\$583,000	\$2,803,000 \$0	\$U \$0	\$4.032.000) \$L	şι ¢r	\$403,000	\$1,008,000	\$403,000	\$5,846,000	\$5,846,000
Southwest	Temecula	French Valley (Date)	Margarita	Ynez	Backbone	0.00	4		0% 0.00	1 2	2	ŏ	0	. (\$0	φ0 \$Ω	\$O	ψ+,032,000 \$1) \$(φι «n	\$n	\$1,000,000	\$403,000	\$5,646,000 \$0	\$3,046,000 \$0
Southwest	Temecula	French Valley (Date)	Ynez	Jefferson	Backbone	0.73	0		5% 0.66	1 2	2	0	ó) (\$744,000	\$3,574,000	\$0	\$(50 \$0	\$0	\$74,000	\$186,000	\$432,000	\$5,010,000	\$5,010,000
Southwest	Temecula	French Valley (Date)	I-15	interchange	Backbone	0.00	0		0.00	1 2	2	1	0 () (\$0	\$0	\$84,190,000	\$0	\$0	\$0	\$8,419,000	\$21,048,000	\$8,419,000	\$122,076,000	\$122,076,000
Southwest	Temecula	SR-79 (Winchester)	Murrieta Hot Springs	Jefferson	Backbone	2.71	6		0.00	1 1		0	0 () 1	\$0	\$0	\$0	\$0) \$0	\$1,860,000	\$186,000	\$465,000	\$186,000	\$2,697,000	\$2,697,000
Southwest	Temecula	SR-79 (Winchester)	I-15	interchange	Backbone	0.00	0	-	0.00	1 1		0	0 () (\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest	Temecula	Western Bypass (Diaz)	Cherry	Rancho California	Backbone	2.14	0		3% 0.30	1 2	2	0	0 () (\$339,000	\$1,630,000	\$0	\$0	\$0	\$0	\$34,000	\$85,000	\$197,000	\$2,285,000	\$2,285,000
Southwest	Temecula	Western Bypass (Vincent Mo		SR-79 (Front)	Backbone	1.48	0		5% 2.52 0% 0.00	3 2	<u>′</u>	0	0 (\$5,913,000	\$13,687,000	\$0	\$0	J \$0	\$0	\$591,000	\$1,478,000 \$0	\$1,960,000	\$23,629,000 \$0	\$23,629,000
Southwest Southwest	Temecula Temecula	Western Bypass (Vincent Mo Western Bypass (Vincent Mo		interchange bridge	Backbone Backbone	0.00	0		0% 0.00 0% 0.00	3 2	<u>.</u>	0 1	300	, () \$0) \$0	\$0 \$0	\$0 \$0	\$2.880.000) \$() \$(\$C	\$288,000	\$720,000	\$288,000	ΨΟ	\$0 \$4,176,000
Southwest	Unincorporat		SR-79	Eastern Bypass	Backbone	2.40	2		0% 0.00	1 3		0	0 (, () \$O	\$O	\$O	φ2,000,000 \$1) \$(φι \$(φ200,000 \$Ω	\$720,000	φ200,000 \$Ω	\$4,176,000	φ + , ι / σ,000 \$Ω
Southwest		ted Clinton Keith	Whitewood	SR-79	Backbone	2.54	0		5% 2.54	1 3	3	0	0 0		\$2,875,000	\$1,245,000	\$0	\$(5 \$0	\$0	\$288,000	\$719,000	\$412,000		\$5.539.000
Southwest		ted Clinton Keith	Warm Springs Creek	bridge	Backbone	0.00	4		0% 0.00	1 3	3	0 1,2	200) (\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest	Unincorporat		I-15	Ethanac	Backbone	4.97	4		9% 9.05	2 3	3	0	0 () (\$15,740,000	\$4,433,000	\$0	\$0	50 \$0	\$0	\$1,574,000	\$3,935,000	\$2,017,000	\$27,699,000	\$26,347,000
Southwest		ted SR-79 (Winchester)	Keller	Thompson	Backbone	2.47	4	-	9% 4.49	1 2	2	0	0 () (\$5,079,000	\$24,407,000	\$0	\$0	\$0	\$0	\$508,000	\$1,270,000	\$2,949,000	\$34,213,000	\$34,213,000
Southwest		ted SR-79 (Winchester)	Thompson	La Alba	Backbone	1.82	4		0% 3.63	1 2	2	0	0 () (\$4,112,000	\$19,761,000	\$0	\$0	\$0	\$0	\$411,000	\$1,028,000	\$2,387,000	\$27,699,000	\$27,699,000
Southwest		ted SR-79 (Winchester)	La Alba	Hunter	Backbone	0.51	4		0% 1.03	1 2	2	0	0 (\$1,166,000	\$5,602,000	\$0	\$0	\$0	\$0	\$117,000	\$292,000	\$677,000	\$7,854,000	\$3,042,000
Southwest	Unincorporat Wildomar	ted SR-79 (Winchester)	Hunter I-15	Murrieta Hot Springs Monte Vista	Backbone	1.14 0.22	4		8% 0.27 0% 0.44	1 3	5	0	0 (. (\$309,000 \$774,000	\$134,000 \$218.000	\$0	\$0	J \$0	\$0	\$31,000 \$77,000	\$77,000 \$194.000	\$44,000 \$99,000	\$595,000	\$442,000 \$1.362.000
Southwest	Wildomar	Bundy Canyon Bundy Canyon	Monte Vista	Sunset	Backbone Backbone	3.14	2		0% 0.44 0% 6.29	3 3	,	0	0 1	, (\$774,000 \$14,778,000	\$218,000	φU ¢∩	φı) \$1.	φι er	\$1,478,000	\$3,695,000	\$1,786,000	\$1,362,000 \$24,818,000	\$1,362,000
Southwest	Wildomar	Bundy Canyon	I-15	interchange	Backbone	0.00	0		0% 0.00	2 3	,	3	0 (, () \$14,776,000	\$3,061,000	\$22,550,000	φ.) \$(φι \$(\$2,255,000	\$5,638,000	\$2,255,000	\$32,698,000	\$24,613,000
Southwest	Wildomar	Clinton Keith	Palomar	I-15	Backbone	0.55	4		0% 0.00	1 2	2	0	0) (. \$0	\$O	\$0	.\$0		\$C	\$0	\$0	\$0	\$0	\$0
Southwest	Wildomar	Clinton Keith	I-15	Copper Craft	Backbone	1.96	2		8% 1.64	2 3	3	0	0 0)	\$2,858,000	\$805,000	\$0	\$(\$0	\$0	\$286,000	\$715,000	\$366,000	\$5,030,000	\$0
Subtotal					Backbone	269.95			318.02		1	11 8.8	835	7.14	\$438,352,000	\$682.621.000	\$435,330,000	\$74,976,000	3136,800,000	\$4,901,000	\$109.037.000	\$272,606,000	\$177,298,000	\$2,331,921,000	\$1.961.707.000

		Network Detailed																								ated: July 23, 2024
AREA PLAN D	IST CITY Menifee	STREETNAME Briggs	SEGMENTFROM Newport	SEGMENTTO Scott	NETWORK // Secondary	MILES EXISTI 3.05	NGLN FUTUR	RELN % CON	UPLETE INCRE	ASELN MILES TOPO 0.00	LANDUSE 1	3 INTERCHG	BRIDGE 0	RRXING 0 (ITS 0	NEWLNCOST F	ROWCOST IN	ITCHGCOST \$0	BRDGCOST \$0	RRXCOST I	TSCOST P \$0	LNG EN	4G C0	ONTIG TOTA \$0	AL COST MAX \$0	IMUM TUMF SHARE \$0
Central	Menifee	Briggs	SR-74 (Pinacate)	Simpson	Secondary	2.54	2	4	73%	1.37	1	3	0	0 0	0	\$1,553,000	\$672,000	\$0	\$0	\$0	\$0	\$155,000	\$388,000	\$223,000	\$2,991,000	\$2,991,000
Central Central	Menifee Menifee	Briggs Briggs	Simpson Salt Creek	Old Newport bridge	Secondary Secondary	1.50 0.00	0	2	17% 0%	2.49 0.00	1	3	0 60	00 0	0 0	\$2,819,000 \$0	\$1,220,000 \$0	\$0 \$0	\$5,760,000	\$0 \$0	\$0 \$0	\$282,000 \$576,000	\$705,000 \$1,440,000	\$404,000 \$576,000	\$5,430,000 \$8,352,000	\$5,430,000 \$8,352,000
Central	Menifee	Garbani	I-215	interchange	Secondary	0.00	0	0	0%	0.00 5.22	1	3	2	0 0	0	\$0	\$0 \$2,557,000	\$43,490,000	\$0 \$0	\$0	\$0 \$0	\$4,349,000	\$10,873,000 \$1,477,000	\$4,349,000	\$63,061,000	\$42,483,000
Central Central	Menifee Menifee	Goetz Goetz	Juanita Newport	Lesser Lane Juanita	Secondary Secondary	2.61 1.36	2	2	0% 0%	0.00	1	3	0	0 0	0	\$5,907,000 \$0	\$2,557,000	\$0	\$0	\$0 \$0	\$0 \$0	\$591,000 \$0	\$1,477,000	\$846,000 \$0	\$11,378,000 \$0	\$11,378,000 \$0
Central Central	Menifee Menifee	Holland Holland	Murrieta Bradley	Bradley Haun	Secondary Secondary	1.03 0.75	2	4	0% 0%	2.06 1.50	1	2	0	0 0	0	\$2,332,000 \$1,698,000	\$11,206,000 \$8,160,000	\$0	\$0 \$0	\$0 \$0	\$0 \$0	\$233,000 \$170,000	\$583,000 \$425,000	\$1,354,000 \$986,000	\$15,708,000 \$11,439,000	\$15,708,000 \$11,439,000
Central	Menifee	Holland	Haun	Antelope	Secondary	0.31	0	4	0%	1.24	i	2	0	0 0		\$1,404,000	\$6,746,000	\$0	\$0	\$0 \$0	\$0	\$140,000	\$351,000	\$815,000	\$9,456,000	\$9,456,000
Central Central	Menifee Menifee	Holland Holland	I-215 overcrossing Antelope	bridge Menifee	Secondary Secondary	0.00 0.70	0	4	0% 64%	0.00 0.50	1	2	0 35 n	50 (0	\$0 \$571,000	\$0 \$2,742,000	\$0 \$0	\$6,720,000 \$0	\$0 \$0	\$0 \$0	\$672,000 \$57,000	\$1,680,000 \$143,000	\$672,000 \$331,000	\$9,744,000 \$3,844,000	\$9,744,000 \$3,844,000
Central	Menifee	McCall	I-215	Aspel	Secondary	1.23	4	6	0%	2.46	i	3	0	0 0		\$2,780,000	\$1,203,000	\$0	\$0	\$0 \$0	\$0	\$278,000	\$695,000	\$398,000	\$5,354,000	\$5,354,000
Central Central	Menifee Menifee	McCall McCall	I-215 Aspel	interchange Menifee	Secondary Secondary	0.00 0.95	0	0	0% 45%	0.00 1.05	1	3	D n	0 0	0	\$0 \$1,188,000	\$0 \$514,000	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$119,000	\$0 \$297,000	\$0 \$1 <i>7</i> 0,000	\$0 \$2,288,000	\$0 \$2,288,000
Central	Menifee	Murrieta	Ethanac	McCall	Secondary	1.95	2	2	0%	0.00	i	3	5	0 0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Central Central	Menifee Menifee	Murrieta Murrieta	McCall Newport	Newport Bundy Canyon	Secondary Secondary	2.03 3.00	2	4 2	10% 0%	3.65 0.00	1	3	0	0 (0 0	\$4,136,000 \$0	\$1,790,000 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$414,000 \$0	\$1,034,000 \$0	\$593,000 \$0	\$7,967,000 \$0	\$7,967,000 \$0
Central	Moreno Valley	Cactus	I-215	Heacock	Secondary	2.17	4	6	83%	0.74	1	2	0	0 0	0	\$834,000	\$4,007,000	\$0	\$0	\$0	\$0	\$83,000	\$209,000	\$484,000	\$5,617,000	\$5,617,000
Central Central	Moreno Valley Moreno Valley		I-215 Ironwood	interchange SR-60	Secondary Secondary	0.00 0.28	0 4	0 4	0% 0%	0.00	1	2	0	0 0	0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Central	Moreno Valley	Day	SR-60	interchange	Secondary	0.00	0	0	0%	0.00	1	2	0	0 0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Central Central	Moreno Valley Moreno Valley		SR-60 I-215	Eucalyptus Towngate	Secondary Secondary	0.77 1.00	6 4	6	0% 42%	0.00 1.16	1	2	0	0 0	0 0	\$0 \$1,313,000	\$6,309,000	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$131,000	\$0 \$328,000	\$0 \$762,000	\$0 \$8,843,000	\$0 \$8,843,000
Central	Moreno Valley		Towngate	Frederick	Secondary	0.67	4	4	0%	0.00	1	2	0	0 0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Central Central	Moreno Valley Moreno Valley		Frederick Heacock	Heacock Kitching	Secondary Secondary	1.01 1.01	2	2	0% 0%	0.00	1	2	0	0 0	0 0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Central	Moreno Valley		Kitching	Moreno Beach	Secondary	2.42	4	4	98%	0.00	1	2	D	0 0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Central Central	Moreno Valley Moreno Valley		Moreno Beach SR-60	Theodore Alessandro	Secondary Secondary	2.28 1.63	4	4	47% 0%	0.00 0.00	1	2	0	0 0	0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Central	Moreno Valley	Heacock	Cactus	San Michele	Secondary	2.79	4	4	77%	0.00	1	2	D	0 0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Central Central	Moreno Valley Moreno Valley		Reche Vista San Michele	Cactus Harley Knox	Secondary Secondary	4.73 0.74	2	2	92% 0%	0.00 0.00	1	3	0	0 0	0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Central	Moreno Valley		SR-60	Day	Secondary	1.33 2.01	4	4	0% 0%	0.00	1	2	0	0 0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Central Central	Moreno Valley Moreno Valley		Day Alessandro	Heacock John F Kennedy	Secondary Secondary	1.00	4	4	0%	0.00	1	2	0	0 0	0	\$0 \$0	\$0 \$0	\$0	\$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0
Central Central	Moreno Valley	Lasselle Moreno Beach	John F Kennedy Reche Canyon	Oleander SR-60	Secondary Secondary	3.16 1.23	4	4	0% 0%	0.00 2.47	1	2	0	0 0	0	\$0 \$2,790,000	\$0 \$13,410,000	\$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$279,000	\$0 \$698,000	\$0 \$1,620,000	\$0 \$18,797,000	\$0 \$18,797,000
Central	Moreno Valley		SR-60 overcrossing	bridge	Secondary	0.00	4	4	0%	0.00	i	2	0 25	50 0		\$2,790,000	\$13,410,000	\$0 \$0	\$0	\$0 \$0	\$0 \$0	\$279,000	\$676,000 \$0	\$1,820,000	\$10,797,000	\$10,797,000
Central Central	Moreno Valley Moreno Valley		SR-60 Ironwood	Alessandro SR-60	Secondary Secondary	1.51 0.40	4	4	0% 0%	0.00	1	2	D n	0 0	0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Central	Moreno Valley	Pigeon Pass/CETAP Corridor	Hidden Springs	Ironwood	Secondary	2.66	4	4	0%	0.00	i	2	5	0 0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Central Central	Moreno Valley Moreno Valley	Reche Canyon Redlands	Moreno Valley City Limit Locust	Locust Alessandro	Secondary Secondary	0.35 2.75	2	2	0% 5%	0.00 5.22	2	3	D n	0 0	0	\$0 \$5,907,000	\$0 \$28.385.000	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$591,000	\$0 \$1,477,000	\$0 \$3,429,000	\$0 \$39,789,000	\$0 \$39,789,000
Central	Moreno Valley	Redlands	SR-60	interchange	Secondary	0.00	0	0	0%	0.00	1	2	3	0 0	0	\$0	\$0	\$22,550,000	\$0	\$0	\$0	\$2,255,000	\$5,638,000	\$2,255,000	\$32,698,000	\$32,698,000
Central Central	Moreno Valley Moreno Valley		SR-60 SR-60	Eucalyptus interchanae	Secondary Secondary	0.26	2	4	0% 0%	0.52	1	2	D 3	0 (0 0	\$589,000 \$0	\$2,829,000 \$0	\$0 \$22,550,000	\$0 \$0	\$0 \$0	\$0 \$0	\$59,000 \$2,255,000	\$147,000 \$5,638,000	\$342,000 \$2,255,000	\$3,966,000 \$32,698,000	\$3,966,000 \$32,698,000
Central	Perris	Ellis	Goetz	Evans	Secondary	1.27	0	4	14%	4.37	1	3	0	0 0	0	\$4,945,000	\$2,141,000	\$0	\$0	\$0	\$0	\$495,000	\$1,236,000	\$709,000	\$9,526,000	\$9,526,000
Central Central	Perris Perris	Evans Evans	Oleander Ramona	Ramona Morgan	Secondary Secondary	1.00 0.59	4	4	0% 0%	0.00	1	3	0	0 0	0 0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Central	Perris	Evans	Morgan	Rider	Secondary	0.50	4	4	0%	0.00	1	3	0	0 0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Central Central	Perris Perris	Evans Evans	Rider Placentia	Placentia Nuevo	Secondary Secondary	0.56 1.52	0	4	79% 51%	0.00 2.98	1	3	0	0 0	0 0	\$3,370,000	\$1,459,000	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$337,000	\$843,000	\$483,000	\$6,492,000	\$6,492,000
Central	Perris	Evans	Nuevo	Ellis	Secondary	2.03	0	4	0%	8.12	1	3	0	0 0	0	\$9,192,000	\$3,979,000	\$0	\$0	\$0	\$0	\$919,000	\$2,298,000	\$1,317,000	\$17,705,000	\$17,705,000
Central Central	Perris Perris	Evans Evans	San Jacinto River I-215	bridge bridge	Secondary Secondary	0.00	0	4	0% 0%	0.00 0.00	1	3	0 40		0	\$0 \$0	\$0 \$0	\$0 \$0	\$7,680,000 \$5,760,000	\$0 \$0	\$0 \$0	\$768,000 \$576,000	\$1,920,000 \$1,440,000	\$768,000 \$576,000	\$11,136,000 \$8,352,000	\$11,136,000 \$8,352,000
Central	Perris	Goetz	Lesser	Ethanac	Secondary	2.04 1.53	2	4	12%	3.60 0.00	1	3	0	0 0	0	\$4,073,000	\$1,763,000	\$0	\$0	\$0	\$0	\$407,000	\$1,018,000	\$584,000	\$7,845,000	\$7,845,000
Central Central	Perris Perris	Harley Knox Harley Knox	I-215 I-215	Indian interchange	Secondary Secondary	0.00	0	0	0% 0%	0.00	1	2	0	0 0	0	\$0 \$0	\$0 \$0	\$0	\$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0
Central Central	Perris	Harley Knox	Indian Perris	Perris	Secondary	0.50 0.50	6	6	0% 0%	0.00	1	2	0	0 0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Central	Perris Perris	Harley Knox Nuevo	I-215	Redlands Murrieta	Secondary Secondary	1.36	4	6	18%	2.23	1	2	0	0 0	0	\$2,519,000	\$12,107,000	\$0	\$0	\$0 \$0	\$0 \$0	\$252,000	\$630,000	\$1,463,000	\$16,971,000	\$16,971,000
Central Central	Perris Perris	Nuevo Nuevo	I-215 Murrieta	interchange Dunlap	Secondary Secondary	0.00	0	0	0% 0%	0.00 2.00	1	2	3	0 0	0	\$0 \$2,267,000	\$0 \$981,000	\$22,550,000	\$0 \$0	\$0 \$0	\$0 \$0	\$2,255,000 \$227,000	\$5,638,000 \$567,000	\$2,255,000 \$325,000	\$32,698,000 \$4,367,000	\$19,736,000 \$4,367,000
Central	Perris	Nuevo	Perris Valley Storm Channel	bridge	Secondary	0.00	4	4	0%	0.00	i	3	30	00 0	5 0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Central Central	Perris Perris	SR-74 (Matthews) SR-74 (Matthews)	I-215 I-215	Ethanac interchange	Secondary Secondary	0.00	4	4	0% 0%	0.00	1	2	D 3	0 0	0	\$0 \$0	\$0 \$0	\$0 \$22,550,000	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$2,255,000	\$0 \$5,638,000	\$0 \$2,255,000	\$0 \$32,698,000	\$0 \$21,835,000
Central	Unincorporated	Center (Main)	I-215	Mt Vernon	Secondary	1.66	2	2	0%	0.00	i	2	Ď	0 0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Central Central	Unincorporated Unincorporated		I-215 BNSF	interchange railroad crossing	Secondary Secondary	0.00	0	0	0% 0%	0.00	1	2	3 n	0 0	0	\$0 \$0	\$0 \$0	\$22,550,000	\$0 \$0	\$0 \$13,800,000	\$0 \$0	\$2,255,000 \$1,380,000	\$5,638,000 \$3,450,000	\$2,255,000 \$1,380,000	\$32,698,000 \$20,010,000	\$11,912,000 \$20,010,000
Central	Unincorporated	I Ellis	Post	SR-74	Secondary	2.65	2	4	0%	5.30	i	3	5	0 0	0	\$5,996,000	\$2,596,000	\$0	\$0	\$0	\$0	\$600,000	\$1,499,000	\$859,000	\$11,550,000	\$11,550,000
Central Central	Unincorporated Unincorporated	I Mount Vernon/CETAP Corric I Nuevo	do: Center Dunlap	Pigeon Pass Menifee	Secondary Secondary	0.61 2.00	2	4	46% 0%	0.65 4.01	3	3	0	0 (0 0	\$1,537,000 \$4,536,000	\$321,000 \$1,963,000	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$154,000 \$454,000	\$384,000 \$1,134,000	\$186,000 \$650,000	\$2,582,000 \$8,737,000	\$2,582,000 \$2,505,000
Central	Unincorporated	Nuevo	San Jacinto River	bridge	Secondary	0.00	2	4	0%	0.00	i	3	9 40	00 0	0	\$0	\$0	\$0	\$3,840,000	\$0	\$0	\$384,000	\$960,000	\$384,000	\$5,568,000	\$5,568,000
Central Central	Unincorporated Unincorporated	I Pigeon Pass/CETAP Corridor I Post	Santa Rosa Mine	Mount Vernon Ellis	Secondary Secondary	3.95 0.44	2	2	74% 0%	2.05 0.00	2	3	0	0 (0	\$4,827,000 \$0	\$1,006,000 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$483,000 \$0	\$1,207,000 \$0	\$583,000 \$0	\$8,106,000 \$0	\$8,106,000 \$0
Central		Reche Canyon	Reche Vista	Moreno Valley City Limit	Secondary	3.20	0	0	0%	0.00	2	3	D	0 0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Central Northwest	Unincorporated Corona	6th	San Timoteo Canyon SR-91	Locust Magnolia	Secondary Secondary	2.54 4.50	4	4	0% 0%	0.00	1	1	0	0 0	0	\$0 \$0	\$0 \$0	\$0	\$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Northwest Northwest	Corona	Auto Center Cajalco	Railroad Bedford Canyon	SR-91 I-15	Secondary Secondary	0.48 0.15	4	4	0% 0%	0.00	1	2	0	0 0	0	\$0	\$0	\$0	\$0 \$0	\$0	\$0	\$0	\$0 \$0	\$0 \$0	\$0	\$0
Northwest	Corona Corona	Hidden Valley	Norco Hills	McKinley	Secondary	0.59	4	4	0%	0.00	2	2	Ď	0 0	0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0	\$0 \$0
Northwest Northwest	Corona Corona	Lincoln Magnolia	Parkridge 6th	Ontario Sherborn	Secondary Secondary	3.20 0.46	4	4	0% 0%	0.00 0.92	1	2	D D	0 0	0	\$0 \$1,047,000	\$0 \$5,032,000	\$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$105,000	\$0 \$262,000	\$0 \$608,000	\$0 \$7,054,000	\$0 \$6,419,000
Northwest	Corona	Magnolia	Temescal Creek	bridge	Secondary	0.00	4	6	0%	0.00	i	2	0 30	00 0	5 0	\$1,047,000	\$5,032,000 \$0	\$0	\$2,880,000	\$0	\$0	\$288,000	\$720,000	\$288,000	\$4,176,000	\$3,580,000
Northwest Northwest	Corona Corona	Magnolia Magnolia	Sherborn Rimpau	Rimpau Ontario	Secondary Secondary	0.53 1.17	6	6	0% 0%	0.00	1	2	D n	0 0	0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Northwest	Corona	Main	Grand	Ontario	Secondary	0.88	2	2	0%	0.00	i	3	Ď	0 0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest Northwest	Corona Corona	Main Main	Ontario Hidden Valley	Foothill Parkridge	Secondary Secondary	0.89 0.35	4	4	0% 0%	0.00 0.70	1	2	0	0 (0 0	\$0 \$789,000	\$0 \$3,791,000	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$79,000	\$0 \$197,000	\$0 \$458,000	\$0 \$5,314,000	\$0 \$4,389,000
Northwest	Corona	Main	Parkridge	SR-91	Secondary	0.91	6	6	0%	0.00	1	1	0	0 0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest Northwest	Corona Corona	Main McKinlev	SR-91 Hidden Valley	S. Grand Promenade	Secondary Secondary	0.81	4	4	0% 0%	0.00 0.00	1	1 2	0	0 0	0 0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Northwest	Corona	McKinley	Promenade	SR-91	Secondary	0.33	6	6	0%	0.00	1	1	0	0 0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest Northwest	Corona Corona	McKinley McKinley	SR-91 Arlington Channel	Magnolia bridge	Secondary Secondary	0.31	4 6	4 6	0% 0%	0.00 0.00	1	1	D 10	υ (00 (0 0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Northwest	Corona	McKinley	BNSF	railroad crossing	Secondary	0.00	4	4	0%	0.00	1	1	0	0 1	1 0	\$0	\$0	\$0	\$0	\$72,800,000	\$0	\$7,280,000	\$18,200,000	\$7,280,000	\$105,560,000	\$0
Northwest Northwest	Corona Corona	Ontario Ontario	I-15 Lincoln	El Cerrito Buena Vista	Secondary Secondary	0.88 0.32	4	6 4	0% 0%	1.76 0.00	1	2) D	0 (0 0	\$1,997,000 \$0	\$9,596,000 \$0	\$0 ,\$0	\$0 \$0	\$0 \$0	\$0 \$0	\$200,000 \$0	\$499,000 \$0	\$1,159,000 \$0	\$13,451,000 \$0	\$13,451,000 \$0
Northwest	Corona	Ontario	Buena Vista	Main	Secondary	0.65	6	6	0%	0.00	1	2	0	0 0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest Northwest	Corona Corona	Ontario Ontario	Main Kellogg	Kellogg Fullerton	Secondary Secondary	0.78 0.32	6	6	0% 0%	0.00	1	1	0	0 0	0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Northwest	Corona	Ontario Ontario	Fullerton	Rimpau	Secondary	0.42	6	6	0%	0.00	1	1	0	0 0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Northwest Northwest	Corona Corona	Ontario Railroad	Rimpau Auto Club	I-15 Buena Vista	Secondary Secondary	0.67 2.45	4	4	0% 0%	0.00 0.00	1	2	0	0 0	0 0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Northwest Northwest	Corona Corona	Railroad Railroad	BNSF Buena Vista	railroad crossing Main (at Grand)	Secondary Secondary	0.00 0.58	4	4	0% 0%	0.00	1	2	D n	0 2	2 0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$27,600,000 \$0	\$0 \$0	\$2,760,000 \$0	\$6,900,000 \$0	\$2,760,000 \$0	\$40,020,000 \$0	\$40,020,000 \$0
Northwest	Corona	River	Corydon	Main	Secondary	2.28	4	4	0%	0.00	i	2	Ď	0 0	0	\$0 \$0	\$0	\$0 \$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest	Corona	Serfas Club	SR-91	Green River	Secondary	0.96	4	4	0%	0.00	1	2	0	0 (0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

EXHIBIT	H-1 TUMI	F Network Detailed	Cost Estimate																					-11	ated: July 23, 2024
AREA PLAN D	IST CITY	STREETNAME	SEGMENTFROM	SEGMENTTO	NETWORK N	AILES EXI	istingln futur	ELN % COMP	TE INCREASELN MILE	S TOPO	LANDUSE INTERCHG	BRIDGE	RRXING	ITS	NEWLNCOST	ROWCOST	INTCHGCOST	BRDGCOST	RRXCOST		NG EN				IMUM TUMF SHARE
Northwest	Eastvale	Archibald	Remington	River	Secondary	3.40	4	4	82% 0.0		1 3	0	0 (1	\$0	\$0	\$0	\$0	\$0	\$2,333,000	\$233,000	\$583,000	\$233,000	\$3,382,000	\$3,382,000
Northwest	Eastvale	Hamner	Mission	Bellegrave	Secondary	3.03	6	6	0% 0.0		1 3	0	0 (0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest	Eastvale	Hamner	Bellegrave	Amberhill	Secondary	0.20	6	6	0% 0.0		1 3	0	0 (1	\$0	\$0	\$0	\$0			\$14,000	\$34,000	\$14,000	\$199,000	\$199,000
Northwest	Eastvale Eastvale	Hamner Hamner	Amberhill Limonite	Limonite Schleisman	Secondary	0.71	2	6	55% 1.2 0% 0.0		1 3	0	0 (0	\$1,447,000	\$626,000	\$0	\$0 \$0	\$0 \$0		\$145,000 \$68,000	\$362,000 \$171,000	\$207,000 \$68,000	\$2,787,000 \$991,000	\$2,787,000 \$991,000
Northwest Northwest	Eastvale	Hamner	Schleisman	Santa Ana River	Secondary Secondary	0.82	2	6	23% 2.5		1 3	0	0 (, ,	\$2,873,000	\$1.243.000	\$O	\$0 \$0	\$(\$287,000	\$718,000	\$412,000	\$5,533,000	\$3,675,000
Northwest	Eastvale	Hellman	Schleisman	Walters	Secondary	0.55	2	4	90% 0.0		1 2	0	0 (0	\$62,000	\$299,000	\$0	\$0	\$0		\$6,000	\$16,000	\$36,000	\$419,000	\$419,000
Northwest	Eastvale	Hellman	Walters	River	Secondary	1.41	2	4	0% 2.8	2	1 2	0	0 (0	\$3,192,000	\$15,341,000	\$0	\$0	\$0	\$0	\$319,000	\$798,000	\$1,853,000	\$21,503,000	\$21,503,000
Northwest	Eastvale	Hellman	Cucamonga Creek	bridge	Secondary	0.00	2	4	0% 0.0		1 2	0 2	275 (0	\$0	\$0	\$0	\$2,640,000			\$264,000	\$660,000	\$264,000	\$3,828,000	\$3,828,000
Northwest	Eastvale	Limonite	I-15	Eastvale Gateway	Secondary	0.29	6	6	0.0		1 3	0	0 (1	\$0	\$0	\$0	\$0	\$0		\$20,000	\$50,000	\$20,000	\$289,000	\$289,000
Northwest	Eastvale	Limonite	I-15 Eastvalo Catoway	interchange	Secondary	0.00	0	0	0% 0.0 0% 0.0		1 3	0	0 (. 0	\$0	\$0	\$0	\$0 \$0	\$(\$(\$19,000	\$0 \$44,000	\$10,000	\$0 \$255,000	\$0
Northwest Northwest	Eastvale Eastvale	Limonite Limonite	Eastvale Gateway Hamner	Hamner Sumner	Secondary Secondary	0.26	0	6	0% 0.0 75% 0.5		1 3	0	0 (, ,	\$568,000	\$246.000	\$O	\$O	\$(\$(\$18,000 \$57,000	\$142,000	\$18,000 \$81,000	\$255,000 \$1.094,000	\$255,000 \$1,094,000
Northwest	Eastvale	Limonite	Sumner	Harrison	Secondary	0.50	6	6	0% 0.0		1 3	Ö	ŏ ö	ĭ	\$0	\$0	\$0	\$0	\$0	\$343,000	\$34,000	\$86,000	\$34,000	\$497,000	\$497,000
Northwest	Eastvale	Limonite	Harrison	Archibald	Secondary	0.49	4	4	0.0		1 3	0	0 (0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest	Eastvale	Limonite	Archibald	Hellman (Keller SBD Co.)	Secondary	1.15	0	4	78% 1.0		1 3	0	0 (0	\$1,146,000	\$496,000	\$0	\$0	\$0	\$0	\$115,000	\$287,000	\$164,000	\$2,208,000	\$2,208,000
Northwest	Eastvale	Limonite	Cucamonga Creek Hellman	bridge	Secondary	0.00 0.75	0	4	0% 0.0 48% 0.7		1 3	0 5	500	0	\$0 \$883.000	\$0	\$0	\$9,600,000	\$0	\$0	\$960,000 \$88,000	\$2,400,000	\$960,000	\$13,920,000 \$5,948,000	\$0
Northwest Northwest	Eastvale Jurupa Valley	River	San Bernardino County	Archibald Vallev	Secondary Secondary	1.53	2	4	34% 2.0		2 3	0	0 (0	\$3,518,000	\$4,243,000 \$991,000	\$O	\$0 \$0	\$(\$(\$0	\$352,000	\$221,000 \$880,000	\$513,000 \$451,000	\$6,192,000	\$5,948,000 \$6,192,000
Northwest	Jurupa Valley		Cantu-Galleano Ranch	Van Buren	Secondary	0.29	2	4	63% 0.2		1 3	0	0 (0	\$241,000	\$104,000	\$0	\$0	\$(\$0	\$24,000	\$60,000	\$35,000	\$464,000	\$464,000
Northwest		Cantu-Galleano Ranch	Wineville	Bellegrave	Secondary	1.82	0	2	90% 0.3		1 3	0	0 (0	\$412,000	\$178,000	\$0	\$0	\$0	\$0	\$41,000	\$103,000	\$59,000	\$793,000	\$793,000
Northwest	Jurupa Valley	Etiwanda	Philadelphia	SR-60	Secondary	1.05	4	6	67% 0.6		1 3	0	0 (0	\$786,000	\$340,000	\$0	\$0	\$0	\$0	\$79,000	\$197,000	\$113,000	\$1,515,000	\$989,000
Northwest	Jurupa Valley		SR-60	Limonite	Secondary	2.95	4	4	0.0		1 3	0	0 (0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest Northwest	Jurupa Valley Jurupa Valley		I-15 Wineville	Wineville Etiwanda	Secondary Secondary	0.47	6	6	0% 0.0 0% 0.0		1 3	0	0 (. 0	\$0	\$0	\$0	\$0	\$(\$0	\$0	\$0	\$0 \$0	\$0	\$0
Northwest	Jurupa Valley		Etiwanda	Van Buren	Secondary	2.73	2	4	75% 1.3		1 3	0	0 (\$1,547,000	\$670,000	\$0	\$0	\$(\$0	\$155,000	\$387,000	\$222,000	\$2,981,000	\$2,981,000
Northwest	Jurupa Valley		Van Buren	Clay	Secondary	0.79	4	4	0% 0.0		1 3	0	0 (0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest	Jurupa Valley		Clay	Riverview	Secondary	2.45	4	4	0.0	0	1 3	0	0 (0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest	Jurupa Valley		Rubidoux	Santa Ana River	Secondary	1.19	2	4	0% 2.3		1 3	0	0 (0	\$2,690,000	\$1,164,000	\$0	\$0	\$0	\$0	\$269,000	\$673,000	\$385,000	\$5,181,000	\$0
Northwest	Jurupa Valley		Santa Ana River	bridge	Secondary	0.00	2	4	0.0		1 3	0 1,0	000	0	\$0	\$0	\$0	\$9,600,000	\$0	\$0	\$960,000	\$2,400,000	\$960,000	\$13,920,000	\$6,204,000
Northwest Northwest	Jurupa Valley Jurupa Valley		Milliken SR-60	SR-60 Santa Ana River	Secondary Secondary	2.10 7.24	4	4	0% 0.0 0% 0.0		1 3	0	0 (. 0	\$U \$0	\$U \$0	\$U \$0	\$0 \$0	şı. «r) \$U) \$0	\$U \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$U \$0
Northwest	Jurupa Valley		Limonite	Mission	Secondary	0.95	4	4	0% 0.0	-	1 3	0	0 0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest	Jurupa Valley		Pine	Mission	Secondary	2.90	4	4	0.0	0	2 3	0	0 (0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest	Jurupa Valley		SR-60	interchange	Secondary	0.00	0	0	0.0		2 3	3	0 (0	\$0	\$0	\$22,550,000	\$0	\$0	\$0	\$2,255,000	\$5,638,000	\$2,255,000	\$32,698,000	\$9,051,000
Northwest	Jurupa Valley		Armstrong	Mission	Secondary	0.48	4	4	0.0		1 3	0	0 (0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest Northwest	Norco Norco	1st 1st	Parkridge Mountain	Mountain Hamner	Secondary Secondary	0.26 0.26	2	2 A	0% 0.0 0% 0.0		1 3	0	0 (. 0	\$U \$0	\$U \$0	\$U \$0	\$U \$0	şı. «r) \$U) \$0	\$U \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Northwest	Norco	2nd	River	I-15	Secondary	1.39	2	2	0% 0.0		1 3	0	0 0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest	Norco	6th	Hamner	California	Secondary	1.71	4	4	0% 0.0	0	1 2	0	0 (0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest	Norco	6th	I-15	interchange	Secondary	0.00	0	0	0.0		1 2	3	0 (0	\$0	\$0	\$22,550,000	\$0	\$0	\$0	\$2,255,000	\$5,638,000	\$2,255,000	\$32,698,000	\$3,489,000
Northwest	Norco	Arlington	Crestview	Fairhaven	Secondary	1.00	2	4	0% 1.9		1 3	0	0 (0	\$2,254,000	\$976,000	\$0	\$0	\$0	\$0	\$225,000	\$564,000	\$323,000	\$4,342,000	\$4,342,000
Northwest Northwest	Norco Norco	California Corvdon	Arlington River	6th 5th	Secondary Secondary	1.05	2	4	5% 2.0 0% 0.0		1 2	0	0 (0	\$2,262,000	\$10,870,000	\$0	\$0 \$0	\$0 \$0		\$226,000	\$566,000	\$1,313,000	\$15,237,000	\$12,525,000
Northwest	Norco	Hamner	Santa Ana River	bridge	Secondary	0.00	2	6	0% 0.0		1 3	0 1,2	000	0	\$0	\$0	\$0	\$23,040,000			\$2,304,000	\$5,760,000	\$2,304,000	\$33,408,000	\$11,455,000
Northwest	Norco	Hamner	Santa Ana River	Hidden Valley	Secondary	3.25	4	6	0% 6.5		1 2	0	0 (0	\$7,362,000	\$35,378,000	\$0	\$0	\$0	\$0	\$736,000	\$1,841,000	\$4,274,000	\$49,591,000	\$49,591,000
Northwest	Norco	Hidden Valley	I-15	Norco Hills	Secondary	1.46	4	4	0.0		2 2	0	0 (0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest	Norco	Hidden Valley	Hamner	I-15	Secondary	0.19	4	4	0.0		1 2	0	0 (0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest Northwest	Norco Norco	Norco North	Corydon California	Hamner Crestview	Secondary Secondary	1.20 0.25	2	2	0% 0.0 0% 0.0		1 2	0	0 (0	\$0	\$0	\$0	\$0	\$(\$0	\$0	\$0	\$0	\$0	\$0
Northwest	Norco	River	Archibald	Corydon	Secondary	1.14	2	4	90% 0.2		1 2	0	0 (\$259,000	\$1,243,000	\$0	\$0	\$(, \$0) \$0	\$26,000	\$65,000	\$150,000	\$1,743,000	\$1,109,000
Northwest	Riverside	14th	Market	Martin Luther King	Secondary	0.89	4	4	0% 0.0		1 2	0	0 (0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest	Riverside	1st	Market	Main	Secondary	0.08	2	2	0% 0.0	0	1 1	0	0 (0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest	Riverside	3rd	SR-91	I-215	Secondary	1.34	3	4	81% 0.2		1 2	0	0 (0	\$288,000	\$1,385,000	\$0	\$0	\$0	\$0	\$29,000	\$72,000	\$167,000	\$1,941,000	\$1,941,000
Northwest	Riverside	3rd	BNSF	railroad crossing	Secondary	0.00	4	4	0.0		1 2	0	0 1	. 0	\$0	\$0	\$0	\$0	\$72,800,000	\$0	\$7,280,000	\$18,200,000	\$7,280,000	\$105,560,000	\$30,560,000
Northwest Northwest	Riverside Riverside	Adams Adams	Arlington SR-91	SR-91 Lincoln	Secondary Secondary	0.54	4	4	0% 0.0 0% 0.0		1 2	0	0 (. 0	\$U \$0	\$U \$0	\$U \$0	\$U \$0	şı. «r) \$U) \$0	\$U \$0	\$U \$0	\$0 \$0	\$0 \$0	\$U \$0
Northwest	Riverside	Adams	SR-91	interchange	Secondary	0.00	0	0	0% 0.0		1 2	3	0 0	0	\$0	\$0	\$22,550,000	\$0	\$0	\$0	\$2,255,000	\$5,638,000	\$2,255,000	\$32,698,000	\$3,262,000
Northwest	Riverside	Arlington	Fairhaven	La Sierra	Secondary	0.61	4	4	0% 0.0		1 3	0	0 (0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest	Riverside	Buena Vista	Santa Ana River	Redwood	Secondary	0.30	4	4	0.0		1 2	0	0 (0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest	Riverside	Canyon Crest	Martin Luther King	Central	Secondary	0.95	4	4	0.0		2 2	0	0 (0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest Northwest	Riverside Riverside	Canyon Crest Canyon Crest	Central Country Club	Country Club Via Vista	Secondary Secondary	0.59 0.93	4	4	0% 0.0 12% 1.6		2 3	0	0 (\$2,839,000	\$799.000	\$U	\$0	φt er) \$U	\$284,000	\$710,000	\$364,000	\$4,996,000	\$1,593,000
Northwest	Riverside	Canyon Crest	Via Vista	Alessandro	Secondary	0.68	4	4	0% 0.0		2 3	0	0 (0	\$0	\$0	\$0	\$0	\$(\$0	\$0	\$0	\$0	\$0	\$0
Northwest	Riverside	Central	Chicago	I-215/SR-60	Secondary	2.22	4	4	0% 0.0		1 2	0	0 0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest	Riverside	Central	SR-91	Magnolia	Secondary	0.73	4	4	0.0		1 2	0	0 (0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest	Riverside	Central	Alessandro	SR-91	Secondary	2.09	4	4	0.0		1 2	0	0 (0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest Northwest	Riverside Riverside	Central	Van Buren Alessandro	Magnolia Spruce	Secondary Secondary	3.53 3.43	4	4	0% 0.0 0% 0.0		1 2	0	0 (0	\$0	\$0	\$0	\$0	\$C \$C	\$0	\$0	\$0	\$0	\$0	\$0
Northwest	Riverside	Chicago Chicago	Spruce	Columbia	Secondary	0.75	4	4	0% 0.0		1 2	0	0 (0	\$0	\$0	\$0	\$0	\$(11	\$0	\$0	\$0	\$O	\$O
Northwest	Riverside	Columbia	Main	lowa	Secondary	1.09	4	4	0% 0.0		1 2	Ō	0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest	Riverside	Columbia	I-215	interchange	Secondary	0.00	0	0	0.0		1 2	3	0	0	\$0	\$0	\$22,550,000	\$0	\$0	\$0	\$2,255,000	\$5,638,000	\$2,255,000	\$32,698,000	\$9,050,000
Northwest	Riverside	lowa	Center	3rd	Secondary	2.26	4	6	12% 3.9		1 2	0	0 (0	\$4,494,000	\$21,596,000	\$0	\$0	\$0	\$0	\$449,000	\$1,124,000	\$2,609,000	\$30,272,000	\$30,272,000
Northwest Northwest	Riverside Riverside	lowa lowa	3rd University	University Martin Luther King	Secondary Secondary	0.51 0.51	4	4	0% 0.0 0% 0.0		1 2	0	0 (. 0	\$U \$0	\$U \$0	\$U \$0	\$U \$0	şı. «r) \$U) \$0	\$U \$0	\$U \$0	\$U \$0	\$U \$0	\$U \$0
Northwest	Riverside	JFK	Trautwein	Wood	Secondary	0.48	2	4	10% 0.8		1 3	0	0 0	0	\$976,000	\$422,000	\$0	\$O	\$0	\$0	\$98,000	\$244,000	\$140,000	\$1,880,000	\$1,880,000
Northwest	Riverside	La Sierra	Arlington	SR-91	Secondary	3.56	4	4	0% 0.0	0	1 2	0	0 (0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest	Riverside	La Sierra	SR-91	Indiana	Secondary	0.19	6	6	0.0		1 2	0	0 () 1	\$0	\$0	\$0	\$0	\$0	\$133,000	\$13,000	\$33,000	\$13,000	\$192,000	\$192,000
Northwest	Riverside	La Sierra	Indiana	Victoria	Secondary	0.78	4	4	0% 0.0		1 2	0	0 (1	\$0	\$0	\$0	\$0			\$54,000	\$134,000	\$54,000	\$778,000	\$778,000
Northwest Northwest	Riverside Riverside	Lemon (NB One way) Lincoln	Mission Inn Van Buren	University Jefferson	Secondary Secondary	0.08 2.00	2	2	0% 0.0 0% 0.0		1 3	0	0 (0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0			\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Northwest	Riverside	Lincoln	Jefferson	Washington	Secondary	1.00	2	2	0% 0.0		1 2	0	0 (0	\$0	\$0	\$0	\$0			\$0	\$0	\$0	\$0	\$0
Northwest	Riverside	Lincoln	Washington	Victoria	Secondary	1.43	2	2	0% 0.0		1 2	Ō	0 0	0	\$0	\$0	\$0	\$0			\$0	\$0	\$0	\$0	\$0
Northwest	Riverside	Madison	SR-91	Victoria	Secondary	0.86	2	2	0.0		1 2	0	0 (1	\$0	\$0	\$0	\$0			\$59,000	\$147,000	\$59,000	\$853,000	\$853,000
Northwest	Riverside	Madison	BNSF	railroad crossing	Secondary	0.00	2	2	0.0		1 2	0	0 2	! 0	\$0	\$0	\$0	\$0			\$1,380,000	\$3,450,000	\$1,380,000	\$20,010,000	\$20,010,000
Northwest	Riverside	Magnolia	BNSF Railroad BNSF	Tyler	Secondary	2.70 0.00	4	4	0% 0.0 0% 0.0		1 2	0	0 (0	\$0	\$0	\$0	\$0 \$0	\$0 \$0		\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Northwest Northwest	Riverside Riverside	Magnolia Magnolia	Tyler	railroad crossing Harrison	Secondary Secondary	0.65	4	6	0% 0.0 0% 0.0		1 2	0	0 (0	\$O	\$0 \$0	\$0	\$0			\$0 \$0	\$0 \$0	\$0	\$0 \$0	\$0
Northwest	Riverside	Magnolia	Harrison	14th	Secondary	5.98	4	4	0% 0.0		1 2	0	0 0	0	\$0	\$0	\$0	\$0			\$0	\$0	\$0	\$0	\$0
Northwest	Riverside	Main	1st	San Bernardino County	Secondary	2.19	4	4	0% 0.0		1 2	0	0 (0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest	Riverside	Market	14th	Santa Ana River	Secondary	2.59	2	4	76% 1.2		1 2	0	0 (0	\$1,409,000	\$6,771,000	\$0	\$0			\$141,000	\$352,000	\$818,000	\$9,491,000	\$9,491,000
Northwest	Riverside	Martin Luther King	14th	I-215/SR-60	Secondary	2.22	4	6	29% 3.1		1 2	0	0 (0	\$3,567,000	\$17,144,000	\$0	\$0			\$357,000	\$892,000	\$2,071,000	\$24,031,000	\$24,031,000
Northwest Northwest	Riverside Riverside	Mission Inn Redwood (SB One way)	Redwood Mission Inn	Lemon University	Secondary Secondary	0.79 0.08	2	2	0% 0.0 0% 0.0		1 3	0	0 (0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0			\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Northwest	Riverside Riverside	Trautwein	Alessandro	Van Buren	Secondary	2.19	4	4	0% 0.0		2 2	Ö	0 (, 0	\$U \$0	\$0 \$0	\$0 \$0	\$0 \$0			\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Northwest	Riverside	Tyler	SR-91	Magnolia	Secondary	0.43	6	6	0% 0.0		1 2	0	0 0	0	\$0	\$0	\$0	\$0			\$0	\$0	\$0	\$0	\$0
Northwest	Riverside	Tyler	SR-91	interchange	Secondary	0.00	0	0	0.0	0	1 2	2	0 0	0	\$0	\$0	\$43,490,000	\$0	\$0	\$0	\$4,349,000	\$10,873,000	\$4,349,000	\$63,061,000	\$21,814,000
Northwest	Riverside	Tyler	Magnolia	Hole	Secondary	0.27	6	6	0.0		1 2	0	0 (0	\$0	\$0	\$0	\$0			\$0	\$0	\$0	\$0	\$0
Northwest	Riverside	Tyler	Hole	Wells	Secondary	1.06	4	4	0% 0.0		1 2	U	0 (0	\$0	\$0	\$0	\$0			\$0	\$0	\$0	\$0	\$0
Northwest Northwest	Riverside Riverside	Tyler University	Wells Redwood	Arlington SR-91	Secondary Secondary	1.35 0.86	2	4	0% 0.0 0% 0.0		1 2	0	0 (, 0	\$0 \$0	\$0 \$0	\$0	\$0 \$0			\$0 \$59,000	\$0 \$1.48,000	\$0 \$59,000	\$0 \$859,000	\$0 \$859,000
Northwest	Riverside	University	SR-91	1-215/SR-60	Secondary	2.08	4	4	0% 0.0		1 2	ŏ	0 (. 1	\$∩ \$U	φU \$Ω	.\$O	\$O	\$L \$0		\$143,000	\$356,000	\$59,000 \$143,000	\$2,067,000	\$2,067,000
Northwest	Riverside	Victoria	Lincoln	Arlington	Secondary	0.16	2	2	0% 0.0		1 2	0	0 0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest	Riverside	Victoria	Madison	Washington	Secondary	0.52	2	2	0% 0.0		1 2	0	0 (0	\$0	\$0	\$0	\$0			\$0	\$0	\$0	\$0	\$0
Northwest Northwest	Riverside Riverside	Washington Wood	Victoria JFK	Hermosa Van Buren	Secondary	2.06 0.70	2	4	14% 3.5 0% 1.4		1 2	U	0 (0	\$4,011,000 \$1,585,000	\$19,274,000 \$686,000	\$0	\$0 \$0			\$401,000 \$159,000	\$1,003,000 \$396,000	\$2,329,000 \$227,000	\$27,018,000	\$27,018,000 \$3,053,000
Northwest	Riverside Riverside	Wood	Van Buren	Bergamont	Secondary Secondary	0.70	4	4	0% 1.4		1 3	0	0 (, 0	\$1,585,000	\$686,000	\$U .\$O	\$0 \$0			\$159,000	\$396,000	\$227,000	\$3,053,000 \$0	\$3,053,000
Northwest	Riverside	Wood	Bergamont	Krameria	Secondary	0.39	4	4	0% 0.0		1 3	0	0 0	0	\$0	\$0	\$0	\$0			\$0	\$0	\$0	\$0	\$0

AREA PLAN DIST CITY STREETNAME	SEGMENTFROM	SEGMENTTO	NETWORK		FUTURELN	% COMPLETE INCREASELN MILES TOPO) LANDUSE	E INTERCHG	BRIDGE	RRXING	ITS	NEWLNCOST	ROWCOST	INTCHGCOST	BRDGCOST	RRXCOST ITSCO:	T	PLNG E	NG (CONTIG	TOTAL COST	MAXIMUM TUMF SHARE
Northwest Unincorporated Cantu-Galleano Ranch		Wineville	Secondary	0.94	6	6 0% 0.00	1	3	0	0 0)	0 \$0	\$1) \$(\$0	\$0	\$0	\$0	\$0	\$0	\$	0 \$0
Northwest Unincorporated Dos Lagos (Weirick) Northwest Unincorporated El Cerrito	Temescal Canyon I-15	I-15 Ontario	Secondary Secondary	0.17 0.56	4	4 0% 0.00 4 0% 0.00	1	3	0	0 0)	0 \$0	\$1) \$(\$0	\$0 \$0	\$0	\$0 \$0	\$0	\$0) \$	0 \$0
Northwest Unincorporated El Sobrante	Mockingbird Canyon	Cajalco	Secondary	1.05	2	2 0% 0.00	2	3	0	0 0)	0 \$0	qu qu) \$t	, \$0 1 \$0	\$0	\$0	\$O	\$0	\$0	,	n \$0
Northwest Unincorporated Harley John	Washington	Scottsdale	Secondary	0.12	4	4 0% 0.00	ī	3	0	0 0)	0 \$0	\$1	5 \$6	\$0	\$0	\$0	\$0	\$0	\$0))	0 \$0
Northwest Unincorporated Harley John	Scottsdale	Cajalco	Secondary	1.19	2	2 0% 0.00	1	3	0	0 0)	0 \$0	\$1	5 \$0	\$0	\$0	\$0	\$0	\$0	\$0) \$	0 \$0
Northwest Unincorporated La Sierra	Victoria	El Sobrante	Secondary	2.23	4	4 0% 0.00	2	3	0	0 0)	0 \$0	\$1) \$0	\$0	\$0	\$0	\$0	\$0	\$0	\$	0 \$0
Northwest Unincorporated La Sierra	El Sobrante	Cajalco	Secondary	2.36	2	2 0% 0.00	2	3	0	0 0)	0 \$0	\$1) \$(\$0	\$0	\$0	\$0	\$0	\$0	\$	0 \$0
Northwest Unincorporated Mockingbird Canyon	Van Buren	El Sobrante	Secondary	3.41	2	4 0% 6.82	2	3	0	0 0)	0 \$11,860,000			\$0	\$0	\$0	\$1,186,000	\$2,965,000			
Northwest Unincorporated Temescal Canyon Northwest Unincorporated Temescal Canyon	El Cerrito Tuscany	Tuscany Dos Lagos	Secondary Secondary	0.65	2	4 20% 1.03 4 0% 0.00	2	3	0	0 0)	0 \$1,800,000	\$507,00) \$(\$0	\$0 \$0	\$0	\$180,000 \$0	\$450,000 \$0	\$231,000) \$3,168,00) \$	
Northwest Unincorporated Temescal Carryon Northwest Unincorporated Temescal Carryon	Dos Lagos	Lerov	Secondary	1.10	4	4 0% 0.00	2	3	0	0 0)	0 \$0	şı Sı) \$1) \$O	\$0	\$0 \$0	\$0	\$0 \$0	\$C)	0 \$0
Northwest Unincorporated Temescal Canyon	Leroy	Dawson Canyon	Secondary	1.89	4	4 0% 0.00	2	3	0	0 0)	0 \$0	\$1) \$(\$0	\$0	\$0	\$0	\$0	\$0	, ,	0 \$0
Northwest Unincorporated Temescal Canyon	Dawson Canyon	I-15	Secondary	0.49	4	4 0% 0.00	2	3	ō	0 0)	0 \$0	\$1	5 \$0	\$0	\$0	\$0	\$0	\$0	\$0) \$	0 \$0
Northwest Unincorporated Temescal Canyon	I-15	interchange	Secondary	0.00	0	0 0% 0.00	2	3	3	0 0)	0 \$0	\$1		\$0	\$0	\$0	\$2,255,000	\$5,638,000	\$2,255,000		
Northwest Unincorporated Temescal Canyon	I-15	Park Canyon	Secondary	2.02	2	4 10% 3.63	3	3	0	0 0)	0 \$8,533,000	\$1,779,00) \$0	\$0	\$0	\$0	\$853,000	\$2,133,000	\$1,031,000	\$14,329,00	0 \$14,329,000
Northwest Unincorporated Temescal Canyon	Park Canyon	Indian Truck Trail	Secondary	2.55	4	4 0% 0.00	2	3	0	0 0)	0 \$0	\$1) \$(\$0	\$0	\$0	\$0	\$0	\$0	\$	0 \$0
Northwest Unincorporated Washington	Hermosa	Harley John	Secondary	3.96	2	4 26% 5.86	1	3	0	0 0)	0 \$6,638,000			\$0	\$0	\$0	\$664,000	\$1,660,000	\$951,000		
Northwest Unincorporated Wood Pass Bannina 8th	Krameria Wilson	Cajalco I-10	Secondary Secondary	2.99 0.54	2	4 4% 5.75 2 0% 0.00	1	3	0	0 0)	0 \$6,509,000	\$2,817,00) \$() \$U	\$U	\$0 \$0	\$651,000	\$1,627,000 \$0	\$933,000) \$12,537,00) \$	
Pass Banning Lincoln	Sunset	SR-243	Secondary	2.01	2	2 0% 0.00	i	2	0	0 0)	0 \$0	φ. Si) \$(, \$0 1 \$0	\$0	\$0	\$0	\$0	\$0)	0 \$0
Pass Banning Ramsey	I-10	8th	Secondary	1.70	2	2 0% 0.00	i	2	0	0 0)	0 \$0	\$1	5 \$6	\$0	\$0	\$0	\$0	\$0	\$0))	0 \$0
Pass Banning Ramsey	8th	Highland Springs	Secondary	3.55	4	4 0% 0.00	1	2	0	0 0		0 \$0	\$1	5 \$0	\$0	\$0	\$0	\$0	\$0	\$0) \$	0 \$0
Pass Banning SR-243	I-10	Wesley	Secondary	0.62	2	2 0% 0.00	1	2	0	0 0)	0 \$0	\$1) \$0	\$0	\$0	\$0	\$0	\$0	\$0	\$	0 \$0
Pass Banning Sun Lakes	Highland Home	Sunset	Secondary	1.00	0	4 0% 4.00	1	2	0	0 0)	0 \$4,528,000	\$21,760,00) \$(\$0	\$0	\$0	\$453,000	\$1,132,000			
Pass Banning Sun Lakes	Smith Creek	bridge	Secondary	0.00	0	4 0% 0.00	1	2		00 0)	0 \$0	\$1) \$(\$5,760,000	\$0	\$0	\$576,000	\$1,440,000	\$576,000	\$8,352,00	0 \$8,352,000
Pass Banning Sun Lakes	Montgomery Creek	bridge	Secondary	0.00	0	4 0% 0.00	1	2	0 20	00 0)	0 \$0	31) \$(\$3,840,000	\$0	\$0	\$384,000	\$960,000	\$384,000		
Pass Banning Sun Lakes Pass Banning Sunset	Highland Springs Ramsev	Highland Home Lincoln	Secondary Secondary	1.33	2	4 0% 0.00 2 0% 0.00	1	2	0	0 0	,	0 \$0	\$1	J \$1	, \$0	\$U	\$0 \$0	\$0 \$0	\$0 \$0	\$0)	υ \$U
Pass Banning Sunset	I-10	interchange	Secondary	0.28	0	0 0% 0.00	i	2	3	0 0)	0 \$0	\$1 \$1) \$22,550,000	, \$U) \$n	\$O	\$O	\$2,255,000	\$5,638,000	\$2,255,000) \$32,698,00	0 \$32,698,000
Pass Banning Wilson	Highland Home	8th	Secondary	2.51	4	4 0% 0.00	i	2	Ö	0 0	Ď	0 \$0	Si)	. \$0	\$0	\$O	\$0	\$0.000,000	φε,ευυ,ους \$0	, 402,070,000 \$	0 \$0
Pass Banning Wilson	Highland Springs	Highland Home	Secondary	1.01	4	4 100% 0.00	i	2	0	0 0)	0 \$0	\$1) \$(\$0	\$0	\$0	\$0	\$0	\$0) \$	0 \$0
Pass Beaumont 1st	Viele	Pennsylvania	Secondary	1.28	2	2 0% 0.00	1	2	0	0 0)	0 \$0	\$1))	\$0	\$0	\$0	\$0	\$0	\$0) \$	0 \$0
Pass Beaumont 1st	Pennsylvania	Highland Springs	Secondary	1.10	2	2 0% 0.00	1	2	0	0 0)	0 \$0	\$1	O \$0	\$0	\$0	\$0	\$0	\$0	\$0	\$	0 \$0
Pass Beaumont 6th	I-10	Highland Springs	Secondary	2.24	4	4 0% 0.00	1	2	0	0 0)	0 \$0	\$1	D \$0	\$0	\$0	\$0	\$0	\$0	\$0	\$	0 \$0
Pass Beaumont Desert Lawn	Champions	Oak Valley (STC)	Secondary	0.99	2	2 0% 0.00	1	3	0	0 0)	0 \$0	\$1	50 \$0	\$0	\$0	\$0	\$0	\$0	\$0	5	\$0
Pass Beaumont Oak Valley (14th) Pass Beaumont Oak Valley (14th)	Highland Springs Pennsylvania	Pennsylvania Oak View	Secondary Secondary	1.13 1.40	4	4 0% 0.00 4 0% 0.00	2	3	0	0 0)	0 \$0	21) \$(\$0	\$0	\$0	\$0	\$0	\$0) 2	0 \$0
Pass Beaumont Oak Valley (14th)	Oak View	I-10	Secondary	0.45	4	4 50% 0.00	1	2	0	0 0)	0 \$0	Şi Çi) \$1) \$1) \$O	\$0	\$0 \$0	\$O	\$0	şı.))	n \$0
Pass Beaumont Oak Valley (14th)	I-10	interchange	Secondary	0.00	0	0 0% 0.00	i	2	2	0 0)	0 \$0	\$1	\$43,490,000	, \$0	\$0	\$0	\$4,349,000	\$10,873,000	\$4,349,000	\$63,061,00	0 \$62,401,000
Pass Beaumont Oak Valley (STC)	UP Railroad	Tukwet Canyon	Secondary	2.94	2	2 0% 0.00	2	3	ō	0 0)	0 \$0	\$1	50 \$0	\$0	\$0	\$0	\$0	\$0	\$0		
Pass Beaumont Oak Valley (STC)	Tukwet Canyon	I-10	Secondary	2.58	2	2 0% 0.00	1	3	0	0 0		0 \$0	\$1	5 \$0	\$0	\$0	\$0	\$0	\$0	\$0) \$	0 \$0
Pass Beaumont Pennsylvania	6th	1st	Secondary	0.53	2	4 18% 0.86	1	2	0	0 0)	0 \$978,000	\$4,699,00) \$0	\$0	\$0	\$0	\$98,000	\$245,000	\$568,000	\$6,588,00	0 \$6,588,000
Pass Beaumont Pennsylvania	I-10	interchange	Secondary	0.00	0	0 0% 0.00	1	2	0	0 0)	0 \$0	\$1) \$(\$0	\$0	\$0	\$0	\$0	\$0	\$	0 \$0
Pass Calimesa Bryant	County Line	Avenue L	Secondary	0.38	2	2 0% 0.00	1	2	0	0 0)	0 \$0	\$1	50 \$0	\$0	\$0	\$0	\$0	\$0	\$0	5	\$0
Pass Calimesa Calimesa Pass Calimesa Calimesa	County Line I-10	I-10 interchange	Secondary Secondary	0.80	4	4 0% 0.00 0 0% 0.00	1	2	2	0 0)	0 \$0	\$1 \$1	ېر 0 \$43,490,000) \$U	\$U	\$0 \$0	\$4,349,000	\$10,873,000	\$4,349,000) \$63,061,00	0 \$63,061,000
Pass Calimesa County Line	7th	Bryant	Secondary	1.83	2	2 0% 0.00	i	2	0	0 0)	0 \$0	φ. Si) \$45,470,000) \$1) \$0)	\$0	\$0	\$0.000 \$0.	\$10,673,000	\$4,547,000 \$0)	
Pass Calimesa County Line	I-10	interchange	Secondary	0.00	0	0 0% 0.00	i	2	3	0 0)	0 \$0	\$1	\$22,550,000	, \$0	\$0	\$0	\$2,255,000	\$5,638,000	\$2,255,000		
Pass Calimesa Desert Lawn	Palmer	Champions	Secondary	1.42	2	2 0% 0.00	i	3	ō	0 0)	0 \$0	\$1	50 \$0	\$0	\$0	\$0	\$0	\$0	\$0		
Pass Calimesa Singleton	Avenue L	Condit	Secondary	1.86	4	4 0% 0.00	2	3	0	0 0)	0 \$0	\$1) \$(\$0	\$0	\$0	\$0	\$0	\$0) \$	
Pass Calimesa Singleton	Condit	Roberts	Secondary	0.85	2	4 0% 1.70	1	2	0	0 0)	0 \$1,926,000	\$9,253,00		\$0	\$0	\$0	\$193,000	\$482,000	\$1,118,000	\$12,972,00	0 \$12,972,000
Pass Calimesa Singleton	I-10	interchange	Secondary	0.00	0	0 0% 0.00	1	2	2	0 0)	0 \$0	\$1	3 \$43,490,000	\$0	\$0	\$0	\$4,349,000	\$10,873,000	\$4,349,000		
Pass Calimesa Tukwet Canyon	Roberts Rd	Palmer	Secondary	0.25	4	4 0% 0.00	1	3	0	0 0)	0 \$0	\$1) \$(\$0	\$0	\$0	\$0	\$0	\$0	\$	0 \$0
Pass Unincorporated Live Oak Canyon Pass Unincorporated San Timoteo Canyon	Oak Valley (STC) San Bernardino County	San Bernardino County UP Railroad	Secondary Secondary	2.81 5.65	2	2 0% 0.00 2 0% 0.00	2	3	0	0 0)	0 \$0	21) \$(\$0	\$0	\$0	\$0	\$0	\$0) 2	0 \$0
Pass Unincorporated San Timoteo Canyon	UP Railroad	railroad crossing	Secondary	0.00	2	2 0% 0.00	2	3	0	0 1) I	0 \$0	Ģi Çi) \$1) \$O	\$36,400,000	\$0	\$3,640,000	\$9,100,000	\$3,640,000	\$52,780,00	0 \$52,780,000
San Jacinto Hemet Sanderson	Acacia	Menlo	Secondary	0.98	4	4 0% 0.00	1	2	0	0 0)	0 \$0	\$1) \$(\$0	\$0	\$0	\$0,040,000	\$0	\$0,040,000) 402,700,00) \$	0 \$52,766,666
San Jacinto Hemet Sanderson	Domenigoni	Stetson	Secondary	1.09	4	4 0% 0.00	i	2	0	0 0		0 \$0	\$i	5 \$0	\$0	\$0	\$0	\$0	\$0	\$0) \$	0 \$0
San Jacinto Hemet Sanderson	RR Crossing	Acacia	Secondary	0.42	4	4 0% 0.00	1	2	0	0 0)	0 \$0	\$1))	\$0	\$0	\$0	\$0	\$0	\$0) \$	0 \$0
San Jacinto Hemet Sanderson	Stetson	RR Crossing	Secondary	0.58	4	4 0% 0.00	1	2	0	0 0)	0 \$0	\$1	O \$0	\$0	\$0	\$0	\$0	\$0	\$0	\$	0 \$0
San Jacinto Hemet Sanderson	Menlo	Esplanade	Secondary	1.00	4	4 0% 0.00	1	2	0	0 0)	0 \$0	\$1	\$(\$0	\$0	\$0	\$0	\$0	\$0	\$	\$0
San Jacinto Hemet SR-74 (Florida) San Jacinto Hemet SR-74 (Florida)	Warren Columbia	Cawston Ramona	Secondary Secondary	1.02	4	4 0% 0.00 4 0% 0.00	1	2	0	0 0	,	0 \$0	\$1	J \$0	\$0	\$U	\$0	\$0	\$0	\$0	, \$	D \$0
San Jacinto Hemet SR-74 (Florida) San Jacinto Hemet SR-74/SR-79 (Florida)	Cawston	Columbia	Secondary Secondary	2.58 4.03	4	4 0% 0.00	1	2	0	0 0)	0 \$0 0 ¢o	\$1	J \$0	, \$0 1 ¢n	&U \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$C e/	, \$)) \$U
San Jacinto Hemet State	Domenigoni	Chambers	Secondary	1.31	4	4 0% 0.00	i	2	Ö	0 0	Ď	0 \$0	q.) \$t	, \$O	\$0	\$O	\$O	\$O	\$(,	0 \$0
San Jacinto Hemet State	Chambers	Stetson	Secondary	0.51	4	4 0% 0.00	i	2	0	0 0		0 \$0	\$i	5 \$0	\$0	\$0	\$0	\$0	\$0	\$0) \$	0 \$0
San Jacinto Hemet State	Florida	Esplanade	Secondary	1.74	4	4 0% 0.00	1	2	0	0 0)	0 \$0	\$1))	\$0	\$0	\$0	\$0	\$0	\$0) \$	0 \$0
San Jacinto Hemet State	Stetson	Florida	Secondary	1.25	2	2 0% 0.00	1	1	0	0 0)	0 \$0	\$1	O \$0	\$0	\$0	\$0	\$0	\$0	\$0	\$	0 \$0
San Jacinto Hemet Stetson	Cawston	State	Secondary	2.52	4	4 0% 0.00	1	2	0	0 0)	0 \$0	\$1	5 \$0	\$0	\$0	\$0	\$0	\$0	\$0	\$	D \$0
San Jacinto Hemet Stetson San Jacinto Hemet Warren	Warren	Cawston	Secondary	1.00	2	4 0% 2.00 4 9% 9.14	1	3	0	0 0)	0 \$2,262,000			\$0	\$0 \$0	\$0 \$0	\$226,000	\$566,000	\$324,000		
San Jacinto Hemet Warren San Jacinto Hemet Warren	Esplanade Salt Creek	Domenigoni bridge	Secondary Secondary	0.00	2	4 9% 9.14 4 0% 0.00	1	3	0 30	0 0)	0 \$10,345,000	\$4,478,000 \$4		\$2,880,000	&U \$0	\$0 \$0	\$1,035,000 \$288,000	\$2,586,000 \$720,000	\$1,482,000 \$288,000		0 \$19,926,000 0 \$4,176,000
San Jacinto San Jacinto Esplanade	Mountain	State	Secondary	2.55	4	4 0% 0.00	i	2	0	0 0	Ď	0 \$0	q.) \$t	\$0	\$0	\$O	\$200,000	\$7.20,000	Ψ2.00,000 \$£) \$4,176,00 \$	
San Jacinto San Jacinto Esplanade	State	Warren	Secondary	3.53	2	2 0% 0.00	i	3	0	0 0		0 \$0	\$i	5 \$0	\$0	\$0	\$0	\$0	\$0	\$0) \$	0 \$0
San Jacinto San Jacinto Sanderson	Ramona	Esplanade	Secondary	3.55	4	4 0% 0.00	1	3	0	0 0)	0 \$0	\$1))	\$0	\$0	\$0	\$0	\$0	\$0) \$	0 \$0
San Jacinto San Jacinto SR-79 (North Ramona)	State	San Jacinto	Secondary	1.02	2	2 0% 0.00	1	2	0	0 0)	0 \$0	\$1	O \$0	\$0	\$0	\$0	\$0	\$0	\$0	\$	0 \$0
San Jacinto San Jacinto SR-79 (San Jacinto)	North Ramona Blvd	7th	Secondary	0.25	2	2 0% 0.00	1	2	0	0 0)	0 \$0	\$1	\$(\$0	\$0	\$0	\$0	\$0	\$0	\$	\$0
San Jacinto San Jacinto SR-79 (San Jacinto)	7th	SR-74	Secondary	2.25	4	4 0% 0.00	1	2	0	0 0)	0 \$0	\$1	\$(\$0	\$0	\$0	\$0	\$0	\$0	\$	\$0
San Jacinto San Jacinto State San Jacinto San Jacinto State	Ramona Gilman Springs	Esplanade Quandt Ranch	Secondary Secondary	1.99 0.76	4	4 0% 0.00 4 0% 1.52	1	2	0	0 0	,	0 \$1,722,000	\$745.00i	J \$0	\$0	\$U	\$0	\$0 \$172,000	\$0 \$431,000	\$0 \$247,000	\$) \$3,317,00	0 \$0 0 \$3,317,000
San Jacinto San Jacinto State	San Jacinto River	bridae	Secondary	0.76	4	4 0% 1.52	i	3	0 50	00 0)	0 \$1,722,000 0 \$0	p/40,001 وا) \$1) \$1	, \$U 1 \$n	\$O	\$O	φ1/2,UUU \$∩	\$431,000 \$0	\$247,UUL \$7	, po,o1/,UU) \$	0 43,317,000 n \$n
San Jacinto San Jacinto State	Quandt Ranch	Ramona	Secondary	0.70	4	4 0% 0.00	i	3	0	0 0	-)	0 \$0	şı Sı		. \$0	\$0	\$0	\$0	\$O	\$C	. 4)	0 \$0
San Jacinto San Jacinto Warren	Ramona	Esplanade	Secondary	3.47	2	4 11% 6.18	i	3	0	0 0		0 \$6,993,000	\$3,027,00	5 \$0	\$0	\$0	\$0	\$699,000	\$1,748,000	\$1,002,000	\$13,469,00	0 \$13,469,000
San Jacinto Unincorporated Gilman Springs	Sanderson	State	Secondary	2.54	2	4 0% 5.09	1	3	0	0 0)	0 \$5,761,000	\$2,494,00) \$0	\$0	\$0	\$0	\$576,000	\$1,440,000	\$826,000	\$11,097,00	0 \$11,097,000
San Jacinto Unincorporated Gilman Springs	Massacre Canyon Wash	bridge	Secondary	0.00	2	4 0% 0.00	1	3	0 10	00 0)	0 \$0	\$1) \$(\$960,000	\$0	\$0	\$96,000	\$240,000	\$96,000		
San Jacinto Unincorporated SR-79 (Winchester)	SR-74 (Florida)	Domenigoni	Secondary	3.23	2	2 0% 0.00	1	3	0	0 0)	0 \$0	\$1	5 \$0	\$0	\$0	\$0	\$0	\$0	\$0	\$	\$0

EXHIBIT	1-1 TUMI	F Network Detailed	Cost Estimate																					· ·	odated: July 23, 2024
AREA PLAN D	ST CITY	STREETNAME	SEGMENTFROM	SEGMENTTO	network <i>i</i>	AILES EXISTINGLN	FUTURELN	% COMPLETE IN	CREASELN MILES TOPO	LANDUSE	INTERCHG	BRIDGE	RRXING	ITS			NTCHGCOST BE	DGCOST RRXCOST	ITSCOST	PLNG	EN				AXIMUM TUMF SHARE
Southwest	Lake Elsinore	Corydon	Mission	Grand	Secondary	1.53 2	2 4	50%	1.53	1	3	0 0) (0 \$1,732,000	\$750,000	\$0	\$0	\$0	\$0	\$173,000 \$0	\$433,000 \$0	\$248,000	\$3,336,000 \$0	\$3,336,000 \$0
Southwest Southwest	Lake Elsinore Lake Elsinore	Diamond Franklin (integral to Railroa	Mission	I-15 interchange	Secondary Secondary	0.24 6	6	0% 0%	0.00	1	3	0 () (1	0 \$0	\$0 \$0	\$0 \$22,550,000	\$0 \$0	\$0	\$0 \$0 \$2	\$0 2,255,000	\$5,638,000	\$0 \$2,255,000	\$32,698,000	\$0,698,000 \$32,698,000
Southwest	Lake Elsinore	Grand	Lincoln	Toft	Secondary	1.29 4	1 4	0%	0.00	1	3	0 () (1	0 \$0	\$0	\$0	\$0	\$0	\$0 \$2	\$O	\$0,000,000 \$0	\$0	\$0	\$02,070,000
Southwest	Lake Elsinore	Grand	Toft	SR-74 (Riverside)	Secondary	0.86 2	4	6%	1.61	1	3	0 0	5)	0 \$1,824,000	\$789,000	\$0	\$0	\$0		\$182,000	\$456,000	\$261,000	\$3,512,000	\$3,512,000
Southwest	Lake Elsinore	Lake	I-15	Lincoln	Secondary	3.25 2	2 4	28%	4.68	2	2	0 0) ()	0 \$8,144,000	\$25,462,000	\$0	\$0	\$0		\$814,000	\$2,036,000	\$3,361,000	\$39,817,000	\$32,726,000
Southwest	Lake Elsinore	Lake	I-15	interchange	Secondary	0.00) 0	0%	0.00	2	2	3 () ()	0 \$0	\$0	\$22,550,000	\$0	\$0		2,255,000	\$5,638,000	\$2,255,000	\$32,698,000	\$15,771,000
Southwest Southwest	Lake Elsinore	Lake Mission	Temescal Wash	bridge	Secondary Secondary	0.00 2 2.39 4	2 4	0% 0%	0.00	2	2	0 180) ()	0 \$0	\$0	\$0	\$1,728,000	\$0	\$0	\$173,000	\$432,000	\$173,000 \$0	\$2,506,000 \$0	\$1,150,000 \$0
Southwest	Lake Elsinore	Nichols	Railroad Canyon I-15	Bundy Canyon Lake	Secondary	1.80 2	4	0%	3.60	1	3	0 () (1	0 \$4,075,000	\$1,764,000	\$U \$0	\$U \$0	\$U \$0	\$0	\$408,000	\$1,019,000	\$584,000	\$7,850,000	\$7,850,000
Southwest	Lake Elsinore	Nichols	Temescal Wash	bridge	Secondary	0.00 2) 4	0%	0.00	i	3	0 300) (0 \$0,000	\$0	\$0	\$2.880.000	\$0		\$288,000	\$720,000	\$288,000	\$4,176,000	\$4,176,000
Southwest	Lake Elsinore	Nichols	I-15	interchange	Secondary	0.00	0	0%	0.00	1 :	3	2 () ()	0 \$0	\$0	\$43,490,000	\$0	\$0		4,349,000	\$10,873,000	\$4,349,000	\$63,061,000	\$63,061,000
Southwest	Lake Elsinore	SR-74 (Collier/Riverside)	I-15	Lakeshore	Secondary	2.15 2	2 4	26%	3.19	1	2	0 () ()	0 \$3,608,000		\$0	\$0	\$0		\$361,000	\$902,000	\$2,095,000	\$24,303,000	\$24,303,000
Southwest	Lake Elsinore	SR-74 (Grand)	Riverside	SR-74 (Ortega)	Secondary	0.64 2	2 4	0%	1.28	1 :	2	0 () ()	0 \$1,445,000	\$6,943,000	\$0	\$0	\$0		\$145,000	\$361,000	\$839,000	\$9,733,000	\$3,691,000
Southwest	Lake Elsinore	SR-74 (Riverside)	Lakeshore I-15	Grand	Secondary	1.74 2 1.21 2	2 4	24% 0%	2.65	1 :	2	0 () ()	0 \$2,995,000 0 \$4,211,000	\$14,392,000	\$0	\$0	\$0		\$300,000 \$421.000	\$749,000 \$1,053,000	\$1,739,000 \$540,000	\$20,175,000 \$7,411,000	\$20,175,000 \$7,411,000
Southwest Southwest	Lake Elsinore Lake Elsinore	Temescal Canyon Temescal Canyon	Temescal Wash	Lake bridge	Secondary Secondary	0.00 2	2 4	0%	0.00	2	3	0 250) (0 \$4,211,000	\$1,186,000	\$0 \$0	\$2,400,000	\$O		\$240,000	\$600,000	\$240,000	\$3,480,000	\$3,480,000
Southwest	Murrieta	California Oaks	Jefferson	I-15	Secondary	0.32 4	1 4	0%	0.00	1	2	0 0) (0 \$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0,400,000
Southwest	Murrieta	California Oaks	I-15	Jackson	Secondary	0.50	6	0%	0.00	1 :	2	0 0) ()	0 \$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest	Murrieta	California Oaks	Jackson	Clinton Keith	Secondary	1.76	1 4	0%	0.00	1 :	2	0 () ()	0 \$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest	Murrieta	Jackson	Whitewood	Ynez	Secondary	0.53 4	1 4	0%	0.00	1 :	2	0 () ()	0 \$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest	Murrieta	Jefferson	Palomar	Nutmeg	Secondary	1.02	2	75%	0.51	2	3	0 () (0 \$887,000	\$250,000	\$0	\$0 \$0	\$0	\$0	\$89,000	\$222,000	\$114,000	\$1,562,000	\$1,562,000
Southwest Southwest	Murrieta Murrieta	Jefferson Jefferson	Nutmeg Murrieta Hot Springs	Murrieta Hot Springs Cherry	Secondary Secondary	2.37 2 2.26 4	2	0% 11%	0.00 4.02	1	2	0 () (1	0 \$4,548,000	\$0 \$21,854,000	\$U	\$O \$U	¢ U ⊅∪	\$U \$0	\$0 \$455,000	\$0 \$1,137,000	\$0 \$2,640,000	\$0 \$30,634,000	\$0,634,000 \$30,634,000
Southwest	Murrieta	Keller	I-215	Whitewood	Backbone	0.75	2	0%	0.00	1	2	0 () (0 \$10	φ21,054,000 \$Ω	\$O	\$0	\$0	\$0	\$455,000 \$0	\$1,137,000 \$0	\$2,640,000	\$30,634,000	φου,σο4,000 %(
Southwest	Murrieta	Keller	I-215	interchange	Backbone	0.00	0	0%	0.00	1	2	0 0	. ,		0 \$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest	Murrieta	Los Alamos	Jefferson	I-215	Secondary	1.77 4	1 4	0%	0.00	1 :	2	0 0) ()	0 \$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest	Murrieta	Murrieta Hot Springs	Jefferson	I-215	Secondary	1.16	6	0%	0.00	1 :	2	0 0) ()	0 \$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest	Murrieta	Murrieta Hot Springs	I-215	Margarita	Secondary	1.45 6	6	0%	0.00	1 :	2	0 () ()	0 \$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest Southwest	Murrieta Murrieta	Murrieta Hot Springs Nutmea	Margarita Jefferson	SR-79 (Winchester) Clinton Keith	Secondary Secondary	1.01 4	1 6	8% 0%	1.86	1	3	0 () ()	0 \$2,106,000	\$911,000	\$0	\$0 \$0	\$0	\$0	\$211,000	\$527,000 \$0	\$302,000 \$0	\$4,057,000 \$0	\$3,899,000
Southwest	Murrieta	Whitewood	Clinton Keith	Los Alamos	Secondary	2.01 3	1 4	56%	0.00	2	3	0 () (,	0 \$1,539,000	\$433,000	\$0 \$0	\$0 \$0	\$0	\$0	\$154,000	\$385,000	\$197,000	\$2,708,000	\$2,708,000
Southwest	Murrieta	Whitewood	Los Alamos	Murrieta Hot Springs	Secondary	1.93	2 2	0%	0.00	1	2	0 0) (0 \$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest	Murrieta	Whitewood	Murrieta Hot Springs	Jackson	Secondary	0.80) 2	66%	0.54	2	2	0 0) ()	0 \$947,000	\$2,959,000	\$0	\$0	\$0	\$0	\$95,000	\$237,000	\$391,000	\$4,629,000	\$4,629,000
Southwest	Murrieta	Ynez	Jackson	SR-79 (Winchester)	Secondary	1.22 4	4 4	0%	0.00	1	2	0 () ()	0 \$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest	Temecula	Butterfield Stage	Murrieta Hot Springs	Calle Chapos	Secondary	0.82 4	4	0%	0.00	2	3	0 () ()	1 \$0	\$0	\$0	\$0			\$56,000	\$141,000	\$56,000	\$816,000	\$816,000
Southwest Southwest	Temecula Temecula	Butterfield Stage Butterfield Stage	Calle Chapos La Serena	La Serena Rancho California	Secondary Secondary	0.70 4	4	0% 0%	0.00	2	3	0 () (,	1 \$0	\$0	\$0	\$0			\$48,000 \$62.000	\$120,000 \$156,000	\$48,000 \$62,000	\$696,000 \$904,000	\$696,000 \$904,000
Southwest	Temecula	Butterfield Stage	Rancho California	Pauba	Secondary	0.91 4	1 4	0%	0.00	2	3	0 () (1	1 \$0	\$U \$0	\$U \$0	\$U \$0			\$58,000	\$146,000	\$58,000	\$904,000 \$846,000	\$904,000
Southwest	Temecula	Butterfield Stage	Pauba	SR-79 (Temecula Pkwy)	Secondary	1.69 2	2 4	93%	0.24	2	3	0 0) (0 \$412,000	\$116,000	\$0	\$0 \$0	\$0		\$41,000	\$103,000	\$53,000	\$725,000	\$725,000
Southwest	Temecula	Jefferson	Cherry	Rancho California	Secondary	2.29	1 4	0%	0.00	1	1	0 0) ()	1 \$0	\$0	\$0	\$0	\$0 \$1,575		\$158,000	\$394,000	\$158,000	\$2,285,000	\$2,285,000
Southwest	Temecula	Margarita	Murrieta Hot Springs	SR-79 (Temecula Pkwy)	Secondary	7.68	1 4	0%	0.00	1 :	3	0 () ()	1 \$0	\$0	\$0	\$0	\$0 \$5,272	2,000	\$527,000	\$1,318,000	\$527,000	\$7,644,000	\$7,644,000
Southwest	Temecula	Old Town Front	Rancho California	I-15/SR-79 (Temecula Pkwy)	Secondary	1.45 4	4	0%	0.00	1	1	0 () ()	0 \$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest Southwest	Temecula Temecula	Pechanga Pkwy Pechanga Pkwy	SR-79 (Temecula Pkwy) Via Gilberto	Via Gilberto Pechanga Pkwy	Secondary Secondary	1.32 6	6	0% 0%	0.00	1	1	0 () ()	0 \$0	\$0	\$0	\$0 \$0	\$0	\$0 \$0	\$0	\$0 \$0	\$0	\$0	\$0
Southwest	Temecula	Rancho California	Jefferson	Maraarita	Secondary	1.44 4	1 4	53%	1.78	1	! 1	0 () (0 \$2,015,000	\$13,938,000	\$O	\$0 \$0	\$O		\$202,000	\$504,000	\$1,595,000	\$18,254,000	\$18,181,000
Southwest	Temecula	Rancho California	I-15	interchange	Secondary	0.00) 0	0%	0.00	i	1	3 () (0 \$2,013,000	\$0	\$22,550,000	\$0 \$0	\$0		2,255,000	\$5,638,000	\$2,255,000	\$32,698,000	\$10,101,000
Southwest	Temecula	Rancho California	Margarita	Butterfield Stage	Secondary	1.96	4	0%	0.00	i	i	0 0) ()	0 \$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest	Temecula	SR-79 (Temecula Pkwy)	I-15	Pechanga Pkwy	Secondary	0.90	6	0%	0.00	1	3	0 () ()	0 \$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest	Temecula	SR-79 (Temecula Pkwy)	Pechanga Pkwy	Butterfield Stage	Secondary	3.08	6	0%	0.00	1	3	0 () ()	1 \$0	\$0	\$0	\$0	\$0 \$2,114		\$211,000	\$529,000	\$211,000	\$3,065,000	\$3,065,000
Southwest	Unincorporate		Scott	SR-79 (Winchester)	Secondary	3.39 2	2 4	56% 0%	2.98	1	3	0 0) ()	0 \$3,379,000	\$1,463,000	\$0	\$0 \$0	\$0	\$0	\$338,000	\$845,000	\$484,000	\$6,509,000	\$6,509,000
Southwest Southwest		ed Butterfield Stage ed Butterfield Stage (Pourroy)	Tucalota Creek Auld	bridge Murrieta Hot Springs	Secondary Secondary	2.27	, 4	17%	7.54	2	3	0 7) (,	0 \$13.113.000	\$3,693,000	\$U \$0	\$O	\$O	\$0 \$1	٥٥٥,113,1	\$3,278,000	\$1,681,000	\$23,076,000	\$23,076,000
Southwest	Unincorporate		Ortega	Corydon	Secondary	4.96 2	2 4	10%	8.92	1	2	0 0) (0 \$10,098,000	\$48,529,000	\$O	\$0	\$0		1,010,000	\$2,525,000	\$5,863,000	\$68,025,000	\$68,025,000
Southwest		ed Horsethief Canyon	Temescal Canyon	I-15	Secondary	0.17 2	2 2	0%	0.00	1	3	o d) ()	0 \$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest		ed Indian Truck Trail	Temescal Canyon	I-15	Secondary	0.18	6	0%	0.00	1 :	3	0 0) ()	0 \$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest		ed Murrieta Hot Springs	SR-79 (Winchester)	Pourroy	Secondary	1.75 4	1 4	0%	0.00	1 :	3	0 0) (0 \$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest	Unincorporate		Pechanga SP 79 (Winchester)	San Diego County	Secondary	1.39 2	2	0%	0.00	2	3	0 () (1	U \$0	\$0	\$0	\$0 \$0	\$U \$0	\$0 \$0	\$127,000	\$0	\$0 \$143,000	\$0	\$0.007.000
Southwest Southwest	Unincorporate	ed Pourroy ed Rancho California	SR-79 (Winchester) Butterfield Stage	Auld Glen Oaks	Secondary Secondary	2.28 2	2 4) 1	84% 0%	0.73 8.52	1) 	0 () (0 \$1,270,000 0 \$9,645,000	\$358,000 \$66,712,000	\$0 \$0	\$U \$0	\$O		\$127,000 \$965,000	\$318,000 \$2,411,000	\$163,000 \$7,636,000	\$2,236,000 \$87,369,000	\$2,236,000 \$87,369,000
Southwest		ed Temescal Canyon	Horsethief Canvon Wash	bridge	Secondary	0.00 2	2 4	0%	0.00	2	3	0 240) (0 \$0	\$66,712,000	\$0	\$2.304.000	\$0		\$230,000	\$576,000	\$230,000	\$3,340,000	\$3,340,000
Southwest		ed Temescal Canyon	Indian Truck Trail	I-15	Secondary	2.57 2	2 4	0%	5.14	2	3	0 0) ()	0 \$8,944,000	\$2,519,000	\$0	\$0	\$0	\$0	\$894,000	\$2,236,000	\$1,146,000	\$15,739,000	\$15,739,000
Southwest		ed Temescal Canyon	Indian Wash	bridge	Secondary	0.00 2	2 4	0%	0.00	2	3	0 105	5 ()	0 \$0	\$0	\$0	\$1,008,000	\$0		\$101,000	\$252,000	\$101,000	\$1,462,000	\$1,462,000
Southwest	Wildomar	Bundy Canyon	Mission	I-15	Secondary	0.94 2	2 4	32%	1.27	1 :	2	0 0) ()	0 \$1,441,000	\$6,923,000	\$0	\$0	\$0	\$0	\$144,000	\$360,000	\$836,000	\$9,704,000	\$9,704,000
Southwest Southwest	Wildomar Wildomar	Grand Mission	Corydon	Wildomar Trail Palomar	Secondary	2.02 2	2	0% 0%	0.00	1 :	2	0 () (1	U \$0	\$0	\$0	\$0 \$0	\$U	\$0 *0	\$0	\$0	\$0	\$0	\$0
Southwest	Wildomar	Mission Palomar	Bundy Canyon Clinton Keith	Palomar Washinaton	Secondary Secondary	0.84 4	. 4	0%	0.00	1	2	0 (, (,	0 \$1,675,000	\$0 \$725,000	\$U \$0	\$O	ֆ∪ \$ ∩	ΦU \$0	\$0 \$168,000	\$419.000	\$0 \$240.000	\$0 \$3,227,000	\$3,227,000
Southwest	Wildomar	Palomar	Mission	Clinton Keith	Secondary	2.79 2	2 4	21%	4.41	2	3	0 () (0 \$7,667,000	\$2,159,000	\$O	\$0 \$0	\$0		\$767,000	\$1,917,000	\$983,000	\$13,493,000	\$13,493,000
Southwest	Wildomar	Wildomar Trail	I-15	Baxter	Secondary	0.29 2	2 4	0%	0.59	1	3	0 0) (1	0 \$665,000	\$288,000	\$0	\$0	\$0		\$67,000	\$166,000	\$95,000	\$1,281,000	\$1,281,000
Southwest	Wildomar	Wildomar Trail	I-15	interchange	Secondary	0.00	0	0%	0.00	1 :	3	3 () ()	0 \$0	\$0	\$22,550,000	\$0	\$0		2,255,000	\$5,638,000	\$2,255,000	\$32,698,000	\$27,858,000
Southwest	Wildomar	Wildomar Trail	Baxter	Palomar	Secondary	0.74 2	2 4	0%	1.48	1 :	2	0 0) (0 \$1,680,000	\$8,073,000	\$0	\$0	\$0	\$0	\$168,000	\$420,000	\$975,000	\$11,316,000	\$11,316,000
Southwest	Wildomar	Wildomar Trail	Palomar	Grand	Secondary	0.51 2 469.28	2 2	0%	0.00 240.56	1 :	2	0 () (26.7	0 \$0 75 \$303,507,000	\$0 \$590.248.000	\$0 \$621.740.000	\$0 \$101.280.000 \$237.200	\$0 000 \$18.358	\$0	\$0 3.215.000	\$0 \$320.544.000	\$0 \$187.237.000	\$0 \$2.508.329.000	\$1.913.028.000
Totals	Network				Secondary	739.22			558.58			33 17.485			- +,	40.0/2.0/000	T//	176,256,000 \$ 374,000,0	4.0,000	-, q ·	-,,	T//	T . 0 . / 20 . / 0 0 0	4,840,250,000 \$	3.874,735,000
ioidis	Transit					, 0,			330.30			17,400		33.0	., ψ /+1,05/,000	ψ.,2/2,007,000 3	, .,,	., 0,200,000 \$ 074,000,0	-00 ψ 20,207,	,000 \(\psi \) 207,	,202,000 p	5.5,150,000	\$	217,870,000 \$	154,831,000
	Administration																						Ψ ¢	161.183.000 \$	

\$ 217,870,000 \$ 154,831,000 \$ 161,183,000 \$ 161,183,000 \$ 64,606,000 \$ 53,859,000 \$ 5,283,909,000 \$ 4,244,608,000

				ing Need and Obligated											Updated: July 23, 2024
AREA PLAN DI Central	Menifee	STREETNAME Ethanac	SEGMENTFROM Goetz	SEGMENTTO TO	OTAL COST MAX	IMUM TUMF SHAREM \$0	AX TUMF MSHCP SHARE EXIST NEED LOS E&F SEGMENT DESCRIPTION	% EXIST NEED >2 LAN	IE ADJST EXIST V/C 0% 0.27	0.87	MF V/C SHARE EXIST NEED \$	OBLIGATED UNFUND EXIST N	SO SO	\$0 EXIST NEED MSHCP UNFUND EXIST	NEED COMBINED UNFUND EXIST NEED \$0 \$0
Central	Menifee	Ethanac	Murrieta	I-215	\$0	\$0	\$0	0%	0% 0.29	0.77	\$	0 \$0	\$0 \$0	\$0	\$0 \$0
Central Central	Menifee Menifee	Ethanac Ethanac	I-215 Sherman	interchange Matthews	\$32,698,000 \$2,674,000	\$32,698,000 \$2,674,000	\$0 \$69,000	0% 0%	0% 0.62 0% 0.32	1.21 0.61	\$	0 \$0	\$0 \$0 \$0 \$69,000	\$0 \$0	\$0 \$0 \$0
Central	Menifee	Ethanac	BNSF San Jacinto Branch	railroad crossing	\$105,560,000	\$105,560,000	\$3,640,000	0%	0% 0.32	0.61	4	0 \$0	\$0 \$3,640,000	\$O	\$0 \$0
Central	Menifee	Menifee	SR-74 (Pinacate)	Simpson	\$1,307,000	\$1,307,000	\$34,000 Between Rouse and Matthews	11%	11% 0.70	0.98	\$	0 \$0	\$0 \$34,000	\$0	\$0 \$0
Central Central	Menifee Menifee	Menifee Menifee	Salt Creek Simpson	bridge Aldergate	\$4,384,000 \$0	\$4,384,000 \$0	\$151,000 \$0	0% 0%	0% 0.36 0% 0.39	0.55 0.73	\$	0 \$0 n \$n	\$0 \$151,000 \$0 \$0	\$0 \$0	\$0 \$0 \$0
Central	Menifee	Menifee	Aldergate	Newport	\$0	\$0	\$0	0%	0% 0.45	0.63	\$	0 \$0	\$0 \$0	\$0	\$0 \$0
Central	Menifee	Menifee	Newport	Holland	\$0	\$0	\$0	0%	0% 0.44	0.72	\$	0 \$0	\$0 \$0	\$0	\$0 \$0
Central Central	Menifee Menifee	Menifee Menifee	Holland Garbani	Garbani Scott	\$U \$4,353,000	\$4,353,000	\$0 \$113,000	0% 0%	0% 0.41 0% 0.64	0.54 0.96	3	0 \$0 0 \$0	\$0 \$113,000	\$0 \$0	\$0 \$0
Central	Menifee	Menifee/Whitewood	Scott	Murrieta City Limit	\$0	\$0	\$0	0%	0% 0.44	0.76	\$	0 \$0	\$0 \$0	\$0	\$0 \$0
Central	Menifee	Newport	Goetz	Murrieta	\$0	\$0	\$0	0%	0% 0.59	0.85	\$	0 \$0	\$0 \$0	\$O	\$0 \$0
Central Central	Menifee Menifee	Newport Newport	Murrieta I-215	I-215 Menifee	\$1,130,000 \$0	\$1,130,000 \$0	\$29,000 Between Pacific Channel and Winter Hawk, and SB 1-215 Exit Ramp and SB 1-215 On Ramp \$0 Between Menifee Lakes to Menifee, and 1-215 SB On Ramp to Anteloae	27% 36%	27% 0.84 36% 0.93	1.08 1.08	85% \$	0 \$0 0 \$0	\$0 \$29,000 \$0 \$0	\$0 \$0	\$0 \$0 \$0 \$0
Central	Menifee	Newport	Menifee	Lindenberger	\$0	\$0	\$0	0%	0% 0.66	0.94	\$	0 \$0	\$0 \$0	\$0	\$0 \$0
Central	Menifee	Newport	Lindenberger	SR-79 (Winchester)	\$0	\$0	\$0	0%	0% 0.51	0.69	\$	0 \$0	\$0 \$0	\$O	\$0 \$0
Central Central	Menifee Menifee	Scott Scott	I-215 I-215	Briggs interchange	\$8,635,000 \$0	\$8,635,000 \$0	\$224,000 Between \$B I-215 On Ramp and Antelope \$0	5% 0%	5% 0.45 0% 1.17	0.82 1.54	57%	0 \$0 0 \$0	\$0 \$224,000 \$0 \$0	\$0 \$0	\$0 \$0 \$0
Central	Menifee	Scott	Sunset	Murrieta	\$4,388,000	\$4,388,000	\$114,000	0%	0% 0.94	1.32	91% \$	0 \$0	\$0 \$114,000	\$0	\$0 \$0
Central Central	Menifee Menifee	Scott SR-74	Murrieta Matthews	I-215 Brigas	\$16,949,000 \$8,254,000	\$12,949,000 \$8,254,000	\$336,000 \$214,000	0% 0%	0% 0.72 0% 0.72	1.03 0.98	\$	0 \$4,000,000	\$0 \$440,000 \$0 \$214,000	\$0	\$0 \$0
Central	Moreno Valley		I-215	Perris	\$13,420,000	\$13,420,000	\$100,000	0%	0% 0.61	0.80	\$	0 \$0	\$0 \$100,000	\$0	\$0 \$0
Central	Moreno Valley	y Alessandro	Perris	Nason	\$0	\$0	\$0	0%	0% 0.55	0.75	\$	0 \$0	\$0 \$0	\$0	\$0 \$0
Central Central	Moreno Valley Moreno Valley		Nason Moreno Beach	Moreno Beach Gilman Springs	\$0 \$18,019,000	\$0 \$18,019,000	\$0 \$468,000	0% 0%	0% 0.22 0% 0.24	0.48 0.66	\$	0 \$0 n \$n	\$0 \$0 \$0 \$468,000	\$0 \$0	\$0 \$0 \$0
Central		y Gilman Springs	SR-60	Alessandro	\$7,291,000	\$7,291,000	\$189,000	0%	0% 0.65	0.73	\$	0 \$0	\$0 \$189,000	\$0	\$0 \$0
Central		y Gilman Springs	SR-60	interchange	\$0	\$0	\$0	0%	0% 0.60	0.76	\$	0 \$0	\$0 \$0	\$0	\$0 \$0
Central Central	Moreno Valley Moreno Valley		Reche Vista Ironwood	Ironwood Sunnymead	\$0 \$0	\$0 \$0	\$0 \$0	0% 0%	0% 0.34 0% 0.74	0.46 0.93	\$	U \$0 0 \$0	\$0 \$0	\$0 \$0	\$0 \$0 \$0
Central	Moreno Valley		SR-60	interchange	\$32,698,000	\$11,192,000	\$0	0%	0% 0.74	2.62	34% \$21,506,00	0 \$0 \$21,506	,000 \$0	\$0	\$0 \$21,506,000
Central	Moreno Valley	y Perris	Sunnymead	Cactus	\$0	\$0	\$0	0%	0% 0.62	0.76	\$	0 \$0	\$0 \$0	\$0	\$0 \$0
Central Central	Moreno Valley Moreno Valley		Cactus Country	Harley Knox Heacock	\$0 \$7,486,000	\$0 \$3,799,000	\$0 Between Nandina and Harley Knox \$39,000 Morena Valley City Limit to Heacock	18% 100%	18% 0.69 100% 0.92	1.01 0.95	\$ 51% \$3,687,00	0 \$0 0 \$0 \$3,687	\$0 \$0 ,000 \$77,000	\$0 \$38,000 \$3	\$0 \$0 88,000 \$3,725,000
Central	Perris	11th/Case	Perris	Goetz	\$4,582,000	\$4,582,000	\$34,000	0%	0% 0.76	0.85	\$ 1,75 40,007,00	0 \$0	\$0 \$34,000	\$0	\$0 \$0
Central	Perris	Case	Goetz	I-215	\$20,876,000	\$20,876,000	\$155,000 Between Ellis and Murrietta	40%	40% 0.80	1.18	7107 #505.00	0 \$0	\$0 \$155,000	\$0	\$0 \$0
Central Central	Perris Perris	Case Ethanac	San Jacinto River Keystone	bridge Goetz	\$1,740,000 \$6,056,000	\$1,235,000 \$6,056,000	\$43,000 \$157,000	0% 0%	0% 1.18 0% 0.07	1.88 0.30	71% \$505,00 \$,000 \$60,000 \$0 \$157,000	\$0 \$0	\$0 \$505,000 \$0 \$0
Central	Perris	Ethanac	San Jacinto River	bridge	\$5,568,000	\$5,568,000	\$192,000	0%	0% 0.07	0.30	\$		\$0 \$192,000	\$0	\$0 \$0
Central	Perris	Ethanac	I-215	Sherman	\$5,316,000	\$5,316,000	\$39,000	0%	0% 0.53	1.15	, (m, , , , , , , , , , , , , , , , , ,		\$0 \$39,000	\$0	\$0 \$0
Central Central	Perris Perris	Goetz Goetz	Case San Jacinto River	Ethanac bridge	\$1,507,000 \$5,568,000	\$999,000 \$3,398,000	\$26,000 Between Case and Ethanac \$117,000	100% 0%	100% 1.06 0% 1.13	1.38 1.50	66% \$508,00 61% \$2,170,00			\$13,000 \$1 \$0	3,000 \$521,000 \$0 \$2,170,000
Central	Perris	Mid-County (Placentia)	I-215	Perris	\$15,655,000	\$15,655,000	\$116,000	0%	0% 0.05	0.21	\$	0 \$0	\$0 \$116,000	\$0	\$0 \$0
Central Central	Perris Perris	Mid-County (Placentia)	I-215 Perris	interchange Evans	\$0 \$22,985,000	\$0 \$22,985,000	\$0 \$171,000	0%	0% 0.46 0% 0.03	0.85 0.11	\$	0 \$0	\$0 \$0 \$0 \$171,000	\$0 \$0	\$0 \$0
Central	Perris	Mid-County (Placentia) Mid-County (Placentia)	Perris Valley Storm Channel		\$8,352,000	\$8,352,000	\$288,000	0%	0% 0.03	0.11	4	0 \$0	\$0 \$171,000	\$O	\$0 \$0
Central	Perris	Perris	Harley Knox	Ramona	\$0	\$0	\$0	0%	0.86	1.04	\$	0 \$0	\$0 \$0	\$O	\$0 \$0
Central Central	Perris Perris	Perris Perris	Ramona Citrus	Citrus Nuevo	\$7,063,000 \$0	\$7,063,000 \$0	\$183,000 Between Ramona and Dawes, and Rider and Water	39% 0%	39% 0.83 0% 0.66	1.06 0.97	\$	0 \$0 n \$n	\$0 \$183,000 \$0 \$0	\$0 \$0	\$0 \$0 \$0
Central	Perris	Perris	Nuevo	11th	\$6,927,000	\$6,927,000	\$51,000	0%	0% 0.72	0.99	\$	0 \$0	\$0 \$51,000	\$0	\$0 \$0
Central	Perris	Perris	I-215 overcrossing	bridge	\$0	\$0	\$0	0%	0% 0.78	1.10	\$	0 \$0	\$0 \$0	\$0	\$0 \$0
Central Central	Perris Perris	Ramona Ramona	I-215 I-215	Perris interchange	\$5,039,000 \$32,698,000	\$5,039,000 \$7,725,000	\$37,000 Between NB I-215 On Ramp and Webster	26% 0%	26% 0.77 0% 1.80	0.79 2.08	24% \$24,973,00	u şu 0 \$0 \$24,973	\$0 \$37,000	\$0 \$0	\$0 \$24,973,000
Central	Perris	Ramona	Perris	Evans	\$0	\$0	\$0	0%	0% 0.67	0.82	\$ \$	0 \$0	\$0 \$0	\$0	\$0 \$0
Central	Perris	Ramona	Evans Filis	Mid-County (2,800 ft E of Rider)	\$0	\$0	\$0	0%	0% 0.62	1.06	\$	0 \$0	\$0 \$0	\$0	\$0 \$0
Central Central	Perris Unincorporate	SR-74 (4th) ec Ethanac	SR-74	I-215 Keystone	\$4,666,000	\$4,666,000	\$0 Between Navajo and S.A.St \$121,000	22% 0%	22% 0.78 0% 0.04	1.03 0.19	3	0 \$0 0 \$0	\$0 \$121,000	\$0 \$0	\$0 \$0
Central		ec Gilman Springs	Alessandro	Bridge Road	\$30,601,000	\$30,601,000	\$869,000 Between Olive and Jackrabbit	41%	41% 0.87	1.43	\$	0 \$0	\$0 \$869,000	\$0	\$0 \$0
Central Central	Unincorporate Unincorporate		Nuevo Evans	SR-74 (Pinacate) Ramona (2,800 ft E of Rider)	\$16,684,000 \$12,156,000	\$16,684,000 \$12,156,000	\$433,000 \$362,000	0%	0% 0.69 0% 0.08	0.98 0.45	\$	0 \$0	\$0 \$433,000 \$0 \$362,000	\$0 \$0	\$0 \$0
Central		ec Mid-County (Ramona)	Ramona (2,800 ft E of Rider)		\$12,136,000	\$12,138,000	\$0 \$0	0%	0% 0.37	0.96	\$	0 \$0	\$0 \$382,000	\$O	\$0 \$0
Central	Unincorporate	ec Mid-County (Ramona)	Pico Avenue	Bridge Road	\$47,769,000	\$47,769,000	\$1,240,000	0%	0% 0.82	1.43	\$	0 \$0	\$0 \$1,240,000	\$0	\$0 \$0
Central Central		ec Mid-County (Ramona) ec Reche Canyon	San Jacinto River San Bernardino County	bridge Reche Vista	\$36,192,000 \$0	\$36,192,000 \$0	\$1,248,000 \$0	0% 0%	0% 0.78 0% 0.84	1.33	\$	0 \$0 n \$n	\$0 \$1,248,000 \$0 \$0	\$0 \$0	\$0 \$0 \$0
Central	Unincorporate		Reche Canyon	Country	\$0	\$0	\$0	0%	0% 0.81	0.83	\$	0 \$0	\$0 \$0	\$0	\$0 \$0
Central	Unincorporate		Briggs	SR-79 (Winchester)	\$0	\$0	\$0	0%	0% 0.12	0.53	\$	0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Central Northwest	Unincorporate Corona	Cajalco	Ethanac I-15	Ellis Temescal Canyon	\$0 .\$0	\$U \$0	\$0 Between Ethanac and Theda, and Mountain and Sofie \$0	34% 0%	34% 0.87 0% 0.47	1.17 0.62	3	0 \$0 0 \$0	\$0 \$0 \$0 \$0	\$0 \$0	\$0 \$0
Northwest	Corona	Cajalco	I-15	interchange	\$0	\$0	\$0	0%	0% 1.59	2.08	42%	0 \$0	\$0 \$0	\$0	\$0 \$0
Northwest Northwest	Corona Corona	Foothill Foothill	Paseo Grande Wardlow Wash	Lincoln bridge	\$0	\$0	\$0 \$0	0%	0% 0.45 0% 0.47	0.61 0.63	\$	0 \$0	\$0 \$0 \$0	\$0 \$0	\$0 \$0
Northwest	Corona	Foothill	Lincoln	California	\$0	\$0 \$0	\$0	0%	0% 0.47 0% 0.30	0.63	3	0 \$0	\$0 \$0	\$0	\$0 \$0
Northwest	Corona	Foothill	California	I-15	\$0	\$0	\$0	0%	0% 0.29	0.42	\$	0 \$0	\$0 \$0	\$0	\$0 \$0
Northwest Northwest	Corona	Green River Green River	SR-91 Dominguez Ranch	Dominguez Ranch Palisades	\$0 \$0	\$0 \$0	\$U \$0	0% 0%	0% 0.53 0% 0.53	0.61 0.60	\$	∪ \$0 ∩ \$∩	\$0 \$0	\$U \$0	\$0 \$0
Northwest	Corona	Green River	Palisades	Paseo Grande	\$0	\$0	\$0	0%	0% 0.66	0.77	\$	0 \$0	\$0 \$0	\$0	\$0 \$0
Northwest	Eastvale	Schleisman	San Bernardino County	600' e/o Cucamonga Creek	\$648,000	\$648,000	\$0	0%	0% 0.65	1.23	\$		\$0 \$0	\$0	\$0 \$0
Northwest Northwest	Eastvale Eastvale	Schleisman Schleisman	Cucamonga Creek 600' e/o Cucamonga Cree	bridge k Harrison	\$0 \$866,000	\$0 \$866,000	\$0 \$0	0% 0%	0% 0.72 0% 0.69	1.27 1.17	\$		\$0 \$0	\$0 \$0	\$0 \$0 \$0 \$0
Northwest	Eastvale	Schleisman	Harrison	Sumner	\$488,000	\$488,000	\$0 \$0 Between Spicewood and Sumner	18%	18% 0.62	0.96	\$		\$0 \$0	\$0	\$0 \$0
Northwest	Eastvale	Schleisman	Sumner	Scholar	\$7,625,000	\$7,625,000	\$57,000	0%	0% 0.85	0.97	\$		\$0 \$57,000	\$0	\$0 \$0
Northwest Northwest	Eastvale Eastvale	Schleisman Schleisman	Scholar A Street	A Street Hamner	\$119,000 \$209,000	\$119,000 \$209,000	\$1,000 \$2,000	0% 0%	0% 0.50 0% 0.50	0.80 0.84	\$	0 \$0 0 \$0	\$0 \$1,000 \$0 \$2,000	\$0 \$0	\$0 \$0 \$0 \$0
Northwest	Jurupa Valley		SR-60	Bellegrave	\$23,928,000	\$10,461,000	\$78,000 Between \$R-60 and Bellegrave	100%	100% 1.02	1.10	44% \$13,467,00	0 \$0 \$13,467	,000 \$178,000	\$100,000 \$10	00,000 \$13,567,000
Northwest	Jurupa Valley		Bellegrave	Santa Ana River	\$60,900,000	\$0	\$0 Between Limonite and Santa Ana River, and Rutile and Bellegrave	59%	59% 1.03	1.13	44% \$19,851,00		\$0 \$452,000	\$147,000	\$0 \$0
Northwest Northwest	Riverside Riverside	Alessandro Arlington	Arlington La Sierra	Trautwein Magnolia	\$2,410,000 \$0	\$2,410,000 \$0	\$0 Between Arlington and Via Vista, and Canyon Crest and Trautwein \$0 Between Ben Lomand and 300 ft East of Pegasus	73% 13%	73% 1.03 13% 0.68	1.16 0.77	48% \$		\$0 \$0 \$0 \$0	\$0 \$0	\$0 \$0 \$0 \$0
Northwest	Riverside	Arlington	Magnolia	Alessandro	\$46,465,000	\$46,465,000	\$475,000 Between Victoria and Alessandro	36%	36% 0.80	0.93	\$	0 \$0	\$0 \$475,000	\$0	\$0 \$
Northwest	Riverside	Van Buren	Santa Ana River SR-91	SR-91	\$5,230,000	\$4,392,000	\$33,000 Between Santa Ana River and Cypress	58%	58% 0.94	1.05	72% \$838,00				\$6,000 \$844,000 \$5,000 \$18,334,000
Northwest Northwest	Riverside Riverside	Van Buren Van Buren	SR-91 Wood	Mockingbird Canyon Trautwein	\$39,493,000 \$0	\$21,292,000 \$0	\$158,000 Between Mockingbird Canyon and Rudicill, and Indiana to \$8.91	95% 0%	95% 1.00 0% 0.79	1.10 0.85	51% \$18,201,00 \$	0 \$0 \$18,201 0 \$0	,000 \$293,000 \$0 \$0	\$135,000 \$13 \$0	\$5,000 \$18,336,000 \$0 \$1
Northwest	Riverside	Van Buren	Trautwein	Orange Terrace	\$7,574,000	\$7,574,000	\$56,000	0%	0% 0.69	0.89	\$		\$0 \$56,000	\$0	\$0 \$1
Northwest	Unincorporate	ec Alessandro	Trautwein	Vista Grande	\$0	\$0	\$0	0%	0% 0.79	0.93	\$		\$0 \$0	\$0	\$0
Northwest Northwest	Unincorporate Unincorporate		Vista Grande El Sobrante	I-215 Harley John	\$0 \$10,580,000	\$0 \$9,817,000	\$0 \$279,000 Between B Sobrante and Gavilan	0% 40%	0% 0.85 20% 0.95	1.04 1.04	64% \$763.00	0 \$0 0 \$0 \$763	\$0 \$0 ,000 \$301,000	\$0 \$22,000 \$2	\$0 \$2,000 \$785,00
Northwest	Unincorporate		Harley John	Harvil	\$166,492,000	\$166,492,000	\$1,236,000 Between Bisopranie and Savinan \$1,236,000 Between Harley John and Wood, and Cole and Alexander, and Carroll and Seaton	63%	31% 0.87	1.05	04/0 \$/ 03,00 \$		\$0 \$1,236,000	\$0	\$0 \$765,00
Northwest	Unincorporate	ec Cajalco	Harvil	I-215	\$1,238,000	\$1,238,000	\$32,000	0%	0% 0.78	0.84	4507 #12 / 42 00		\$0 \$32,000	\$0	\$0 \$0
Northwest Northwest	Unincorporate Unincorporate		Temescal Canyon Temescal Wash	La Sierra bridge	\$49,596,000 \$4,872,000	\$35,953,000 \$1,907,000	\$1,071,000 Between Temesacal Canyon and Sierra \$66,000	100% 0%	50% 1.06 0% 1.13	1.19 1.27	45% \$13,643,00 39% \$2,965,00			\$406,000 \$40 \$0	\$14,049,000 \$0 \$2,965,000
Northwest	Unincorporate	ec Cajalco	La Sierra	El Sobrante	\$96,453,000	\$96,453,000	\$2,872,000	0%	0% 0.78	0.85	\$	0 \$0	\$0 \$2,872,000	\$O	\$0 \$0
Northwest Northwest	Unincorporate Unincorporate		Mockingbird Canyon Orange Terrace	Wood I-215	\$67,429,000 \$0	\$67,429,000 \$0	\$501,000 Between Washington and Wood \$0	47% 0%	47% 0.89 0% 0.71	1.04 0.99	\$ \$	0 \$0 0 \$0	\$0 \$501,000 \$0 \$0	\$0 \$0	\$0 \$0 \$0
*OHIMESI	annicorporate	20 + GIT BUICH	ordinge relidice	PEIJ	φυ	φО	ψυ	U/6	U./ I	0.77	4	ο φυ	ψ0 Φ0	φυ	ψ0 \$0

AREA PLAN I		STREETNAME	SEGMENTFROM	ing Need and Obliga SEGMENTIO		XIMUM TUMF SHARE MAX	TUMF MSHCP SHARE EXIST NEED LOS E&F SEGMENT DESCRIPTION	% EXIST NEED >2	LANE ADJST EXIST V/C	FUTURE V/C TU	IMF V/C SHARE EXIST NEED OBLIGATED	UNFUND EXIST NEED MSH	CP M	SHCP EXIST NEED MSH	CP UNFUND EXIST NEED COMBI	Updated: July 23, 2024 INED UNFUND EXIST NEED
ass	Banning	Highland Springs	Wilson (8th)	Sun Lakes	\$0	\$0	\$0	0%	0% 0.46	0.68	\$0 \$0	\$0	\$0	\$0	\$0	\$0
ass	Banning	Highland Springs	I-10	interchange	\$63,061,000	\$32,516,000	\$0	0%	0% 1.16	1.43	52% \$30,545,000 \$14,698,000	\$15,847,000	\$0	\$0	\$0	\$15,847,000
ass	Banning	Highland Springs	Oak Valley (14th)	Wilson (8th)	\$0	\$0	\$0	0%	0% 0.29	0.49	\$0 \$0	\$0	\$0	\$0	\$0	\$0
ass	Banning	Highland Springs	Cherry Valley	Oak Valley (14th)	\$0	\$0	\$0 #370,000	0%	0% 0.28	0.50	\$0 \$0	\$0	\$0	\$0	\$0	\$0
ass ass	Banning Banning	I-10 Bypass South I-10 Bypass South	I-10 I-10	Morongo Trail (Apache Trail)	\$50,110,000 \$63,061,000	\$50,110,000 \$63,061,000	\$372,000	0% 0%	0% 0.04 0% 0.73	0.05 0.86	\$0 \$1) \$0)	\$372,000	\$U	\$0 \$0	\$U
'ass	Banning	I-10 Bypass South	San Gorgonio	interchange bridge	\$4.176.000	\$4.176.000	\$144,000	0%	0% 0.73	0.31	\$0 \$t	\$0	\$144.000	\$O	\$O	\$O
ass	Banning	I-10 Bypass South	UP/Hargrave	railroad crossing	\$52,780,000	\$52,780,000	\$1,820,000	0%	0% 0.26	0.31	\$0 \$0	\$0	\$1,820,000	\$0	\$0	\$O
ass ass	Beaumont	Beaumont	Oak Valley (14th)	I-10	\$0	\$0	\$0	0%	0% 0.31	0.37	\$0 \$6	\$0	\$0	\$0	\$0	\$0
'ass	Beaumont	Potrero	Oak Valley (San Timoteo Co	ar SR-60	\$1,100,000	\$1,100,000	\$29,000	0%	0% 0.01	0.37	\$0 \$0	\$0	\$29,000	\$0	\$0	\$0
ass	Beaumont	Potrero	SR-60	interchange	\$63,061,000	\$29,561,000	\$0	0%	0% 0.39	0.84	\$0 \$33,500,000	\$0	\$0	\$0	\$0	\$0
Pass	Beaumont	Potrero	UP	railroad crossing	\$40,020,000	\$40,020,000	\$1,380,000	0%	0% 0.01	0.37	\$0 \$0	\$0	\$1,380,000	\$0	\$0	\$0
ass	Beaumont	Potrero	Noble Creek	bridge	\$0	\$0	\$0	0%	0% 0.01	0.37	\$0 \$0	\$0	\$0	\$0	\$0	\$0
ass	Beaumont	Potrero	SR-60	4th	\$0	\$0	\$0	0%	0% 0.01	0.25	\$0 \$0	\$0	\$0	\$0	\$0	\$0
ass	Beaumont	SR-79 (Beaumont)	I-10	California	\$0	\$0	\$0 Between I-10 WB On Ramp and California	100%	100% 1.05	1.18	46% \$0 \$0	\$0	\$0	\$0	\$0	\$0
ass	Beaumont	SR-79 (Beaumont)	I-10	interchange	\$63,061,000	\$7,408,000	\$0	0%	0% 2.20	2.37	12% \$55,653,000 \$0	\$55,653,000	\$0	\$0	\$0	\$55,653,000
ass	Calimesa	Cherry Valley	I-10	interchange	\$63,061,000	\$59,773,000	\$0	0%	0% 0.93	1.51	95% \$3,288,000 \$443,000	\$2,845,000	\$0	\$0	\$0	\$2,845,000
Pass	Calimesa	Cherry Valley	Roberts St Bellflower	Roberts Rd	\$3,053,000	\$3,053,000 \$6.411.000	\$79,000 \$166,000	0%	0% 0.54 0% 0.08	0.71	\$U \$1	\$0	\$79,000	\$0	\$0	\$0
Pass Pass		ec Cherry Valley ec Cherry Valley	Highland Springs	Noble Bellflower	\$6,411,000	\$6,411,000	\$166,000	0%	0% 0.08 0% 0.03	0.23 0.10	\$0 \$1	\$0	\$166,000	\$U	\$0	\$U
ass Pass			Noble	Roberts St	\$0	\$O	\$O \$O	0%	0% 0.03	0.10	\$0 \$1) \$0)	\$U \$0	\$U	\$0 \$0	\$U
ass		ec Cherry Valley ec Cherry Valley	San Timoteo Wash	bridge	\$O	\$0	\$0 \$0	0%	0% 0.41	0.41	φυ φι \$0 \$t	\$0	\$0	\$0	\$0 \$0	\$0
Pass		ec SR-79 (Lamb Canyon)	California	Gilman Springs	\$0	\$O	\$0 Between California and Gilman Springs	100%	100% 1.21	1.43	42% \$0 \$0	\$0	\$0	\$0	\$O	\$0
ian Jacinto		Domenigoni	Warren	Sanderson	\$7,726,000	\$7,726,000	\$201,000	0%	0% 0.82	1.13	\$0 .50	\$0	\$201,000	\$0	\$0	\$O
San Jacinto		Domenigoni	Sanderson	State	\$0	\$0	\$0	0%	0% 0.41	0.69	\$0 \$0	\$0	\$0	\$0	\$0	\$0
San Jacinto		SR-74	Winchester	Warren	\$35,208,000	\$35,208,000	\$261,000 Between Warren and 650 ft East of Cordoba	25%	25% 0.83	1.05	\$0 \$0	\$0	\$261,000	\$0	\$0	\$0
San Jacinto	San Jacinto	Mid-County (Ramona)	Warren	Sanderson	\$0	\$0	\$0	0%	0% 0.57	0.61	\$0 \$0	\$0	\$0	\$0	\$0	\$0
San Jacinto		Mid-County (Ramona)	Sanderson/SR-79 (Hemet By		\$0	\$0	\$0	0%	0% 0.61	0.85	\$0 \$0	\$0	\$0	\$0	\$0	\$0
ian Jacinto		Ramona	Sanderson	State	\$0	\$0	\$0	0%	0% 0.48	0.63	\$0 \$0	\$0	\$0	\$0	\$0	\$0
San Jacinto		Ramona	State	Main	\$0	\$0	\$0	0%	0% 0.58	0.67	\$0 \$0	\$0	\$0	\$0	\$0	\$0
San Jacinto		Ramona	Main	Cedar	\$31,518,000	\$26,928,000	\$200,000 Between 7th and Rue Pinot Blanc, and Hemet and Mountain	68%	34% 0.93	0.97	57% \$4,590,000 \$0	\$4,590,000	\$234,000	\$34,000	\$34,000	\$4,624,000
San Jacinto		Ramona	Cedar	SR-74	\$0	\$0	\$0	0%	0% 0.29	0.35	\$0 \$0	\$0	\$0	\$0	\$0	\$0
San Jacinto		ec Domenigoni	SR-79 (Winchester)	Warren	\$13,508,000	\$13,508,000	\$351,000	0%	0% 0.88	1.13	\$0 \$0	\$0	\$351,000	\$0	\$0	\$0
San Jacinto		ec Domenigoni	San Diego Aqueduct	bridge	\$4,176,000	\$4,176,000	\$144,000	0%	0% 0.88 0% 0.62	1.12 0.84	\$U \$1	\$0	\$144,000	\$0	\$0	\$0
San Jacinto San Jacinto		ec Gilman Springs ec Mid-County (Ramona)	Bridge Bridge	Sanderson Warren	\$9,221,000	\$9,221,000	\$0 \$239,000	0%	0% 0.62 0% 0.78	1.04	\$0 \$1) \$0)	\$239,000	\$U	\$0 \$0	\$U
an Jacinto			Briage	SR-79 (Winchester)	\$15,417,000	\$15,417,000	\$400,000 Between Briggs and Sultanas	1 497	14% 0.63	1.06	φο φι φο φι	9 40	\$400,000	\$O	φ0 •0	40
an Jacinto		ec SR-74 ec SR-79 (Hemet Bypass)	SR-74 (Florida)	Domeniaoni	\$13,901,000	\$13,901,000	\$361,000 serween enggs and surrands	14/6	0% 0.62	0.86	φυ φι \$0 \$t	\$0	\$361,000	\$0	\$0 \$0	\$0
ian Jacinto		ec SR-79 (Hemet Bypass)	San Diego Aqueduct	bridge	\$4,176,000	\$4,176,000	\$144,000	0%	0% 0.62	0.86	\$0 \$6	\$0	\$144,000	\$0	\$0	\$0
San Jacinto		ec SR-79 (Hemet Bypass)	Domenigoni	Winchester	\$6.542.000	\$6,542,000	\$170,000	0%	0% 0.59	0.76	\$0 \$6	\$0	\$170,000	\$0	\$0	\$0
San Jacinto		ec SR-79 (San Jacinto Bypass		SR-74 (Florida)	\$56,690,000	\$56,690,000	\$1,472,000	0%	0% 0.55	0.73	\$0 \$0	\$0	\$1,472,000	\$0	\$0	\$0
San Jacinto	Unincorporate	ec SR-79 (Sanderson)	Gilman Springs	Ramona	\$6,899,000	\$2,555,000	\$66,000 Between Ramona and Gilman Springs	100%	100% 1.18	1.34	37% \$4,344,000 \$0	\$4,344,000	\$179,000	\$113,000	\$113,000	\$4,457,000
San Jacinto	Unincorporate	ec SR-79 (Sanderson)	San Jacinto River	bridge	\$19,488,000	\$7,651,000	\$264,000	0%	0% 1.21	1.41	39% \$11,837,000 \$0		\$672,000	\$0	\$0	\$11,837,000
San Jacinto	Unincorporate	ec SR-79 (Winchester)	Domenigoni	Keller	\$65,022,000	\$65,022,000	\$483,000	0%	0% 0.55	0.82	\$0 \$0	\$0	\$483,000	\$0	\$0	\$0
Southwest	Canyon Lake		Railroad Canyon	Newport	\$0	\$0	\$0	0%	0% 0.35	0.53	\$0 \$0	\$0	\$0	\$0	\$0	\$0
Southwest		Railroad Canyon	Canyon Hills	Goetz	\$0	\$0	\$0	0%	0% 0.71	0.94	\$0 \$0	\$0	\$0	\$0	\$0	\$0
Southwest	Lake Elsinore	, .	I-15	Canyon Hills	\$0	\$0	\$0 Between NB I-5 On Ramp and Summerhill	2%	2% 0.86	1.12	\$0 \$0	\$0	\$0	\$0	\$0	\$0
Southwest	Lake Elsinore		I-15	interchange	\$0	\$0	\$0	0%	0% 2.48	3.04	26% \$0 \$0	\$0	\$0	\$0	\$0	\$0
Southwest Southwest	Lake Elsinore Murrieta	SR-74 Clinton Keith	I-15 Copper Craft	interchange Toulon	\$63,061,000	\$24,162,000	\$0	35%	0% 1.60	2.03	38% \$38,899,000 \$6) \$38,899,000) \$0	\$0	\$0	\$0	\$38,899,000
Southwest	Murrieta	Clinton Keith	Toulon	I-215	\$2,076,000	\$2,076,000	\$0 Between California Oaks and Toulon \$54,000 Between Toulon and Thousand Oaks, and Duster and McBwain	52%	35% 0.76 52% 0.88	0.95 1.06	\$0 \$1) \$0	\$54,000	\$U	\$0	\$U
Southwest	Murrieta	Clinton Keith	I-215	Whitewood	\$2,076,000	\$2,076,000 \$0	\$34,000 Between Toulan and Thousand Oaks, and Duster and McElwain	32% 0%	0% 0.67	0.76	\$0 \$1) \$0	\$34,000 \$0	\$O	\$O	\$O
Southwest	Murrieta	French Valley (Date)	Murrieta Hot Springs	Winchester Creek	\$7,321,000	\$7,321,000	\$54,000	0%	0% 0.77	1.21	\$0 \$t	\$0	\$54,000	\$0	\$0	\$0
Southwest	Murrieta	French Valley (Date)	Winchester Creek	Margarita	\$0	\$0	\$0	0%	0% 0.04	0.08	\$0 \$6	\$0	\$0	\$0	\$0	\$0
Southwest	Murrieta	Whitewood	Menifee City Limit	Keller	\$0	\$0	\$0	0%	0% 0.39	0.74	\$0 \$0	\$0	\$0	\$0	\$0	\$0
Southwest	Murrieta	Whitewood	Keller	Clinton Keith	\$0	\$0	\$0	0%	0% 0.54	0.84	\$0 \$0	\$0	\$0	\$0	\$0	\$0
Southwest	Temecula	French Valley (Cherry)	Jefferson	Diaz	\$3,929,000	\$3,929,000	\$29,000	0%	0% 0.00	0.58	\$0 \$0	\$0	\$29,000	\$0	\$0	\$0
Southwest	Temecula	French Valley (Cherry)	Murrieta Creek	bridge	\$5,846,000	\$5,846,000	\$202,000	0%	0% 0.00	0.58	\$0 \$6	\$0	\$202,000	\$0	\$0	\$0
Southwest	Temecula	French Valley (Date)	Margarita	Ynez	\$0	\$0	\$0	0%	0% 0.20	0.34	\$0 \$6	\$0	\$0	\$0	\$0	\$0
Southwest	Temecula	French Valley (Date)	Ynez	Jefferson	\$5,010,000	\$5,010,000	\$37,000	0%	0% 0.07	0.15	\$0 \$0	\$0	\$37,000	\$0	\$0	\$0
Southwest	Temecula	French Valley (Date)	I-15	interchange	\$122,076,000	\$122,076,000	\$0	0%	0% 0.19	0.29	\$0 \$0	\$0	\$0	\$0	\$0	\$0
Southwest	Temecula	SR-79 (Winchester)	Murrieta Hot Springs	Jefferson	\$2,697,000	\$2,697,000	\$0 Between Promenade Mall West and Murrieta Hot Springs, and I-15 NB On Ramp to 250 ft East of Jefferson A	ve 84%	84% 0.96	1.24	81% \$0 \$0	\$0	\$0	\$0	\$0	\$0
Southwest	Temecula	SR-79 (Winchester)	I-15	interchange	\$0	\$0	\$0 #17,000	0%	0% 1.58	1.80	24% \$0 \$0	\$0	\$0	\$0	\$0	\$0
Southwest	Temecula	Western Bypass (Diaz)	Cherry	Rancho California	\$2,285,000	\$2,285,000	\$17,000	0%	0% 0.18	0.45	\$U \$0) \$0	\$17,000	\$ 0	\$U	\$0
Southwest Southwest	Temecula Temecula	Western Bypass (Vincent		SR-79 (Front)	\$23,629,000	\$23,629,000 \$0	\$296,000 \$0	0%	0% 0.01 0% 2.30	0.05 3.07	\$0 \$0 36% \$0 \$0) \$0	\$296,000 \$0	\$U	\$U \$0	\$0
outnwest	Temecula	Western Bypass (Vincent Western Bypass (Vincent		interchange bridae	\$U \$4,176,000	\$0 \$4,176,000	\$U \$144,000	U%	0% 2.30 0% 0.01	0.05	36% \$U \$() \$U	\$U \$144,000	фU «n	\$0 \$0	\$0
Southwest	Unincorporate	//	SR-79	Eastern Bypass	\$4,170,000 ¢n	φ+, ι / 0,000 \$Ω	φ1 44 ,000 \$0	U076	0% 0.01 0% 0.26	0.05	\$U &t	, φυ 1 \$ ∩	φ144,000 ¢∩	\$O	\$O	φυ «n
Southwest		ec Benton ec Clinton Keith	Whitewood	SR-79	\$5,539,000	\$5,539,000	\$U \$144,000	0%	0% 0.26 0% 0.62	0.35	\$0 \$1) \$0) \$0	\$144,000	\$O	₽∪ \$∩	\$U \$0
Southwest		ec Clinton Keith	Warm Springs Creek	bridge	\$0.007,000	\$0	\$0	0%	0% 0.62	0.79	\$0 \$0	. \$0) \$0	\$n	\$0	\$0	\$O
Southwest	Unincorporate		I-15	Ethanac	\$27.699.000	\$26.347.000	\$749,000 Between I-15 nd Dexter, and Conard and Riverside, and Steele Valley and Peach, and Meadowbrook and		64% 0.93	1.23	92% \$1,352,000 \$0	\$1,352,000	\$787.000	\$38,000	\$38,000	\$1,390,000
Southwest		ec SR-79 (Winchester)	Keller	Thompson	\$34,213,000	\$34,213,000	\$254,000	0%	0% 0.56	0.71	\$0 .80	\$0	\$254,000	\$0	\$0	\$0.,070,000
Southwest		ec SR-79 (Winchester)	Thompson	La Alba	\$27,699,000	\$27,699,000	\$206,000 Between La Alba and Via Mira Mosa	25%	25% 0.82	0.99	\$0 .50	\$0	\$206,000	\$0	\$0	\$0
Southwest		ec SR-79 (Winchester)	La Alba	Hunter	\$7,854,000	\$3,042,000	\$22,000 Between La Alba and Hunter	100%	100% 1.10	1.22	39% \$4,812,000 \$0	\$4,812,000	\$58,000	\$36,000	\$36,000	\$4,848,000
outhwest	Unincorporate	ec SR-79 (Winchester)	Hunter	Murrieta Hot Springs	\$595,000	\$442,000	\$11,000 Between Murrieta Hot Springs and Robert Jones, and Borel	75%	75% 0.95	1.04	66% \$153,000 \$0	\$153,000	\$15,000	\$4,000	\$4,000	\$157,000
outhwest	Wildomar	Bundy Canyon	I-15	Monte Vista	\$1,362,000	\$1,362,000	\$39,000 Between I-15 NB On Ramp and Monte Vista	75%	75% 0.84	1.16	\$0 \$0	\$0	\$39,000	\$0	\$0	\$0
Southwest	Wildomar	Bundy Canyon	Monte Vista	Sunset	\$24,818,000	\$24,818,000	\$739,000 Between Monte Vista and Oak Circle	37%	37% 0.89	1.18	\$0 \$0	\$0	\$739,000	\$0	\$0	\$0
Southwest	Wildomar	Bundy Canyon	I-15	interchange	\$32,698,000	\$24,613,000	\$0	0%	0% 1.12	1.77	75% \$8,085,000 \$6	\$8,085,000	\$0	\$0	\$0	\$8,085,000
Southwest	Wildomar	Clinton Keith	Palomar	I-15	\$0	\$0	\$0	0%	0% 0.69	0.80	\$0 \$6		\$0	\$0	\$0	\$0
Southwest	Wildomar	Clinton Keith	I-15	Copper Craft	\$5,030,000	\$0	\$0 Between Inland Valley and Smith Ranch, and Covington and Copper Craft	60%	60% 0.89	1.01	\$0 \$5,030,000	\$0	\$143,000	\$0	\$0	\$0

				ing Need and Obligated Funding													Updated: July 23, 2024
AREA PLAN [Central	DIST CITY Menifee	STREETNAME Briggs	SEGMENTFROM Newport	SEGMENTTO TOTAL COST Scott	MAXIMUM TUMF SHAF	REMAX TUMF MSHCP SHARE	EXIST NEED LOS E&F SEGMENT DESCRIPTION	% EXIST NEED >2 LA	NE ADJST EXIST		V/C TUMF V/C SHARE EXIST NEED	OBLIGATED U	NFUND EXIST NEED MSHC	:P MSI	HCP EXIST NEED MS	HCP UNFUND EXIST NEED	COMBINED UNFUND EXIST NEED
Central	Menifee	Briggs	SR-74 (Pinacate)	Simpson \$2,99	91,000 \$2,991,00			0%	0% 0.0	5 0.23	3 \$0	\$0	\$0 \$0	\$78,000	\$0	\$C	\$0 \$0
Central	Menifee	Briggs	Simpson	Old Newport \$5,40	30,000 \$5,430,000			0%	0% 0.3			\$0	\$0	\$141,000	\$0	\$0	\$0
Central Central	Menifee Menifee	Briggs Garbani	Salt Creek I-215		52,000 \$8,352,000 61,000 \$42,483,000			0% 0%	0% 0.4 0% 1.2			\$0 \$0	\$0 \$20,578,000	\$288,000 \$0	\$0 \$0	\$0 \$c	\$0 \$20,578,000
Central	Menifee	Goetz	Juanita		78,000 \$11,378,00		=	0%	0% 0.7			\$0	\$0	\$295,000	\$0	\$0	\$0
Central	Menifee	Goetz	Newport	Juanita	\$0 \$1)	=	0%	0% 0.6			\$0	\$0	\$0	\$0	\$0	\$0
Central Central	Menifee Menifee	Holland Holland	Murrieta Bradley		08,000 \$15,708,000 39,000 \$11,439,000			0% 0%	0% 0.5 0% 0.6			\$0 \$0	\$0 \$0	\$117,000 \$85,000	\$0 \$0	\$0 \$c	\$0 \$0
Central	Menifee	Holland	Haun		56,000 \$9,456,00			0%	0% 0.7			\$0	\$0 \$0	\$70,000	\$0	\$C	\$0
Central	Menifee	Holland	I-215 overcrossing		44,000 \$9,744,00			0%	0% 0.7	6 0.96		\$0	\$0	\$336,000	\$0	\$0	\$0
Central Central	Menifee Menifee	Holland McCall	Antelope I-215		44,000 \$3,844,000 54,000 \$5,354,000			0%	0% 0.1 0% 0.3			\$0 \$0	\$0 \$0	\$29,000 \$139,000	\$0 \$0	\$0 \$c	\$0 \$0
Central	Menifee	McCall	I-215	interchange \$5,50	\$0,554,000 \$0		0	0%	0% 0.3			\$O	\$0 \$0	\$137,000	\$O	O4.	\$0 \$0
Central	Menifee	McCall	Aspel	Menifee \$2,28	88,000 \$2,288,00	\$59,00	0	0%	0% 0.3	8 0.71	1 \$0	\$0	\$0	\$59,000	\$0	\$0	\$0
Central	Menifee	Murrieta Murrieta	Ethanac	McCall	\$0 \$1			0%	0% 0.5			\$0	\$0	\$0	\$0	\$0	\$0
Central Central	Menifee Menifee	Mumeta Mumieta	McCall Newport	Newport \$7,96 Bundy Canyon	67,000 \$7,967,000 \$0 \$1		0	0% 0%	0% 0.4 0% 0.4			\$0 \$0	\$U \$0	\$207,000 \$0	\$0 \$0	\$U .\$C	\$0 \$0
Central	Moreno Valle		1-215		17,000 \$5,617,00		Between Goldencrest and Arial, and Frontage Road and 250 ft East	7%	7% 0.6			\$0	\$0	\$42,000	\$0	\$0	\$0
Central	Moreno Valle		I-215	interchange	\$0 \$1)	0	0%	0% 1.2			\$0	\$0	\$0	\$0	\$0	\$0
Central	Moreno Valle Moreno Valle		Ironwood SR-60	SR-60 interchange	\$0 \$1)	0	0%	0% 0.5 0% 1.0			\$0	\$0	\$0 60	\$0 \$0	\$0	\$0
Central Central	Moreno Valle		SR-60	Eucalyptus	\$0 \$1		0	0%	0% 0.4			\$0	\$O	\$0	\$0	\$C	\$0
Central	Moreno Valle	ey Eucalyptus	I-215	Towngate \$8,8-	43,000 \$8,843,00	\$66,00	0	0%	0% 0.5	2 0.72	2 \$0	\$0	\$0	\$66,000	\$0	\$0	\$0
Central		ey Eucalyptus	Towngate	Frederick	\$0 \$1		0	0%	0% 0.4			\$0	\$0	\$0	\$0	\$0	\$0
Central Central		ey Eucalyptus ey Eucalyptus	Frederick Heacock	Heacock Kitching	\$0 \$1 \$0 \$1)	U N	0% 0%	0% 0.5 0% 0.5			\$U \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$U \$C	\$0
Central		ey Eucalyptus	Kitching	Moreno Beach	\$0 \$1)	0	0%	0% 0.1			\$0	\$0	\$0	\$0	\$0	\$0
Central	Moreno Valle	ey Eucalyptus	Moreno Beach	Theodore	\$0 \$1) :	0	0%	0% 0.0	1 0.12		\$0	\$0	\$0	\$0	\$0	\$0
Central	Moreno Valle		SR-60	Alessandro	\$0 \$1)	0 Between SR-60 and Sunnymead	5%	5% 0.4			\$0	\$0	\$0	\$0	\$0	\$0
Central Central	Moreno Valle Moreno Valle		Cactus Reche Vista	San Michele Cactus	φυ \$1 \$0 \$1)	0	0% 0%	0% 0.5 0% 0.4			DÆ OÆ	⊅∪ .\$Ω	\$O	\$U \$0	\$U \$U	\$ 0
Central	Moreno Valle		San Michele	Harley Knox	\$0 \$1)	0	0%	0% 0.1	1 0.22	2 \$0	\$0	\$0	\$0	\$0	\$C	\$0
Central	Moreno Valle		SR-60	Day	\$0 \$1)	0	0%	0% 0.8	2 1.02	2 \$0	\$0	\$0	\$0	\$0	\$0	\$0
Central Central	Moreno Valle Moreno Valle	,	Day Alessandro	Heacock John F Kennedy	\$U \$1		u n	0% 0%	0% 0.6 0% 0.6			\$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0	\$0
Central	Moreno Valle		John F Kennedy	Oleander	\$0 \$1)	U Between Via Xavier and Krameria	13%	13% 0.7			\$0	\$0 \$0	\$0 \$0	\$0	\$C	\$0
Central	Moreno Valle	ey Moreno Beach	Reche Canyon	SR-60 \$18,79	97,000 \$18,797,00		Between SR-60 and SR-60 WB Exit Ramp	5%	5% 0.3	2 0.65	5 \$0	\$0	\$0	\$140,000	\$0	\$0	\$0
Central		ey Moreno Beach	SR-60 overcrossing SR-60	bridge	\$0 \$1)	0	0%	0% 0.9			\$0	\$0	\$0	\$0	\$0	\$0
Central Central	Moreno Valle Moreno Valle	ey Nason ey Pigeon Pass	SR-60 Ironwood	Alessandro SR-60	⊅∪ \$1 \$0 \$1	,)	O Between SR-60 and SR-60 WB On Ramp, and Hemlock and Iranwood	0% 87%	0% 0.6 87% 0.9			\$U .\$0	\$U .\$0	\$U .\$0	\$U \$0	\$0 \$r	\$0 \$0
Central		ey Pigeon Pass/CETAP Corrido		Ironwood	\$0 \$1		0	0%	0% 0.4			\$0	\$0	\$0	\$0	\$0	\$0
Central		ey Reche Canyon	Moreno Valley City Limit	Locust	\$0 \$1		0	0%	0% 0.0			\$0	\$0	\$0	\$0	\$0	\$0
Central	Moreno Valle		Locust		89,000 \$39,789,00		Between Locust and Iranwood	27% 0%	27% 0.8			\$0	\$0	\$295,000	\$0 \$0	\$0	\$0
Central Central	Moreno Valle Moreno Valle		SR-60 SR-60		98,000 \$32,698,000 66,000 \$3,966,000		0	0%	0% 0.4 0% 0.4			\$U .\$0	\$0 \$0	\$29,000	\$0 \$0	υφ Ω2.	\$0 \$0
Central	Moreno Valle		SR-60		98,000 \$32,698,00		0	0%	0% 0.4			\$0	\$0	\$0	\$0	\$0	\$0
Central	Perris	Ellis	Goetz		26,000 \$9,526,00	\$247,00	0	0%	0% 0.0			\$0	\$0	\$247,000	\$0	\$0	\$0
Central Central	Perris Perris	Evans	Oleander Ramona	Ramona	\$0 \$1)	0	0%	0% 0.7 0% 0.8			\$0	\$0	\$0	\$0	\$0	\$0
Central	Perris	Evans Evans	Morgan	Morgan Rider	\$0 \$1)	O Between Morgan and Sinclair	50%	50% 0.8			\$0 \$0	\$0	\$0	\$0	04 02	\$0 \$0
Central	Perris	Evans	Rider	Placentia	\$0 \$1		Between Placentia and 350 ft North	11%	11% 0.5	5 0.69		\$0	\$0	\$0	\$0	\$0	\$0
Central	Perris	Evans	Placentia		92,000 \$6,492,00		Between Placentia and 220 ft South, and Moraga and Sunset	9%	4% 0.5			\$0	\$0	\$169,000	\$0	\$0	\$0
Central Central	Perris Perris	Evans Evans	Nuevo San Jacinto River		05,000 \$17,705,000 36,000 \$11,136,000			0%	0% 0.0 0% 0.0			\$0 \$0	\$0 \$0	\$460,000 \$384,000	\$0 \$0	\$0 \$c	\$0 \$0
Central	Perris	Evans	I-215		52,000 \$8,352,00			0%	0% 0.0			\$0	\$0	\$288,000	\$0	32	\$0
Central	Perris	Goetz	Lesser		45,000 \$7,845,00			7%	7% 0.7	9 1.13	3 \$0	\$0	\$0	\$204,000	\$0	\$0	\$0
Central	Perris	Harley Knox	I-215	Indian	\$0 \$1)	0	0%	0% 0.3			\$0	\$0	\$0	\$0	\$0	\$0
Central Central	Perris Perris	Harley Knox Harley Knox	I-215 Indian	interchange Perris	\$0 \$1) 1	0	0%	0% 0.9 0% 0.1			\$U \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$U \$C	\$0 \$0
Central	Perris	Harley Knox	Perris	Redlands	\$0 \$1)	0	0%	0% 0.1			\$0	\$0	\$0	\$0	32	\$0
Central	Perris	Nuevo	I-215		71,000 \$16,971,00		0	0%	0% 0.5			\$0	\$0	\$126,000	\$0	\$0	\$0
Central	Perris	Nuevo	I-215		98,000 \$19,736,00		0	0%	0% 1.5			\$0	\$12,962,000	\$0	\$0 \$0	\$0	\$12,962,000
Central Central	Perris Perris	Nuevo Nuevo	Murrieta Perris Valley Storm Channel		67,000 \$4,367,000 \$0 \$1	3113,00	υ Ω	0%	0% 0.3 0% 0.3			\$U .\$0	\$0 \$0	\$113,000 \$0	\$0 \$0	υφ Ω2.	\$0 \$0
Central	Perris	SR-74 (Matthews)	I-215	Ethanac	\$0 \$1		0	0%	0% 0.6			\$0	\$0	\$0	\$0	\$0	\$0
Central	Perris	SR-74 (Matthews)	I-215		98,000 \$21,835,00		0	0%	0% 1.4			\$0	\$10,863,000	\$0	\$0	\$0	\$10,863,000
Central Central		tec Center (Main) tec Center (Main)	I-215 I-215	Mt Vernon interchange \$32,69	\$0 \$1 98,000 \$11,912,00		0 Between I-215 and Highgrave	4% 0%	4% 0.3 0% 2.3			\$U \$0	\$0 \$20,786,000	\$0 \$0	\$0 \$0	\$U \$C	\$0 \$20,786,000
Central		tec Center (Main)	BNSF		10,000 \$20,010,00		0	0%	0% 0.4			\$0	\$0	\$690,000	\$0	\$C	\$0
Central	Unincorpora		Post		50,000 \$11,550,00			0%	0% 0.2			\$0	\$0	\$300,000	\$0	\$0	\$0
Central Central	Unincorpora	tec Mount Vernon/CETAP Corri	idc Center Dunlap		82,000 \$2,582,000 37,000 \$2,505,000		0 0 Between Dunlap and Menifee	0% 100%	0% 0.5 100% 0.7			\$0 \$6,232,000	\$0	\$77,000 \$227,000	\$0 \$0	\$0	\$0
Central	Unincorpora		San Jacinto River		68,000 \$5,568,00			0%	0% 0.7			\$6,232,000	\$0	\$192,000	\$0	04 02	\$0 \$0
Central		tec Pigeon Pass/CETAP Corrido			06,000 \$8,106,000			0%	0% 1.1	6 1.33	3 40% \$0	\$0	\$0	\$241,000	\$0	\$0	\$0
Central Central	Unincorporat	tec Post	Santa Rosa Mine	Ellis	\$0 \$1)	0	0% 0%	0% 0.5		γ ψυ	\$0 \$0	\$0	\$0	\$0	\$0	\$0
Central		tec Reche Canyon tec Redlands	Reche Vista San Timoteo Canyon	Moreno Valley City Limit Locust	\$0 \$1)	U Between Locust and San Timoteo	100%	0% 0.0 100% 1.3	2 0.19 2 1.51		\$0 \$0	\$U \$0	\$0 \$0	\$0 \$0	\$U \$C	\$0 \$0
Northwest	Corona	6th	SR-91	Magnolia	\$0 \$1		0	0%	0% 0.4	3 0.55	5 \$0	\$0	\$0	\$0	\$0	\$C	\$0
Northwest	Corona	Auto Center	Railroad	SR-91	\$0 \$1		0	0%	0% 0.3			\$0	\$0	\$0	\$0	\$0	· ·
Northwest Northwest	Corona Corona	Cajalco Hidden Valley	Bedford Canyon Norco Hills	I-15 McKinley	\$0 \$i \$0 \$i		υ Ω	0% 0%	0% 0.5 0% 0.5			\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	The second secon
Northwest	Corona	Lincoln	Parkridge	Ontario	\$0 \$1		0	0%	0% 0.5	8 0.65	5 \$0	\$0	\$0 \$0	\$0 \$0	\$0	\$0	\$0 \$0
Northwest	Corona	Magnolia	6th	Sherborn \$7,03	54,000 \$6,419,00	\$47,00	D Between 6th and Sherbarn	100%	100% 0.9	1 1.07	7 91% \$635,000	\$0	\$635,000	\$52,000	\$5,000	\$5,000	\$640,000
Northwest	Corona	Magnolia	Temescal Creek		76,000 \$3,580,000	\$123,00	0	0%	0% 0.9			\$0	\$596,000	\$144,000	\$0	\$0	
Northwest Northwest	Corona Corona	Magnolia Magnolia	Sherborn Rimpau	Rimpau Ontario	\$0 \$1 \$0 \$1		Between Rimpau and I-15 SB On Ramp, and Monfecito and Sherborn	60% 0%	60% 0.9 0% 0.7			\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 *r	\$0 \$0
Northwest	Corona	Main	Grand	Ontario	\$0 \$1		- 0	0%	0% 0.7			\$0	\$0 \$0	\$0	\$0	\$C	\$0 \$0
Northwest	Corona	Main	Ontario	Foothill	\$0 \$1		0	0%	0% 0.4	0 0.50	0 \$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest Northwest	Corona Corona	Main Main	Hidden Valley	Parkridge \$5,3 SR-91	14,000 \$4,389,000 \$0 \$4	\$32,00	Between Hidden Valley and Parkridge	100% 8%	100% 0.9 8% 0.6			\$0 \$0	\$925,000 \$0	\$39,000 \$0	\$7,000 \$0	\$7,000	\$932,000 \$0
Northwest	Corona	Main Main	Parkridge SR-91	S. Grand	\$0 \$1		0 Between SR-91 WB On Ramp and Grand 0 Between 3rd and 4th	8% 8%	8% 0.6 8% 0.6			\$0 \$0	\$U \$0	\$0 \$0	\$0 \$0	\$U \$0	
Northwest	Corona	McKinley	Hidden Valley	Promenade	\$0 \$1		0	0%	0% 0.7			\$0	\$0 \$0	\$0	\$0	\$0 \$0	
Vorthwest	Corona	McKinley	Promenade	SR-91	\$0 \$1		0	0%	0% 0.8	1 0.66	6 \$0	\$0	\$0	\$0	\$0	\$0	
Northwest	Corona	McKinley	SR-91	Magnolia	\$0 \$1 \$0 \$1		0	0% 0%	0% 0.7 0% 0.8			\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	7.7
Northwest Northwest	Corona	McKinley McKinley	Arlington Channel BNSF	bridge railroad crossing \$105,56			0	0%	0% 0.8 0% 0.8			\$U \$105,560,000	\$U \$0	\$0 \$3,640,000	\$0 \$0	\$U &r	\$0 \$0
Vorthwest	Corona	Ontario	I-15		51,000 \$13,451,00		Between State and Rising Sun	32%	32% 0.6			\$0	\$0 \$0	\$100,000	\$0	\$C	\$0
Northwest	Corona	Ontario	Lincoln	Buena Vista	\$0 \$1)	0	0%	0% 0.8	7 0.71	1 \$0	\$0	\$0	\$0	\$0	\$C	\$0
Northwest	Corona	Ontario Ontario	Buena Vista Main	Main Kellogg	\$0 \$1		0 n	0% 0%	0% 0.4			\$0 \$0	\$0	\$0	\$0 \$0	\$0	\$0 \$0
Northwest Northwest	Corona Corona	Ontario Ontario	Main Kellogg	Kellogg Fullerton	\$0 \$1 \$0 \$1)	0	0% 0%	0% 0.3 0% 0.3			\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$U .\$C	\$0 \$0
Northwest	Corona	Ontario	Fullerton	Rimpau	\$0 \$1)	0	0%	0% 0.3	6 0.49	9 \$0	\$0	\$0	\$0	\$0	\$C	\$0
Northwest	Corona	Ontario	Rimpau	I-15	\$0 \$1		0 Between Compton and I-15 SB On Ramp	7%	7% 0.4	5 0.57		\$0	\$0	\$0	\$0	\$0	\$0
Northwest Northwest	Corona Corona	Railroad Railroad	Auto Club BNSF	Buena Vista railroad crossing \$40,00	\$0 \$1 20,000 \$40,020,00		U n	0% 0%	0% 0.2 0% 0.3			\$0 \$0	\$0 \$0	\$0 \$1,380,000	\$0 \$0	\$0	\$0 \$0
Northwest	Corona	Railroad	Buena Vista	Main (at Grand)	\$0 \$40,020,000		0	0%	0% 0.6			\$0 \$0	\$0 \$0	\$1,300,000	\$0 \$0	\$C	\$0 \$0
Northwest	Corona	River	Corydon	Main	\$0 \$1) :	0 Between Corydon and 2nd St	25%	25% 0.7	1 0.85	5 \$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest	Corona	Serfas Club	SR-91	Green River	\$0 \$1)	0	0%	0% 0.5	8 0.59	9 \$0	\$0	\$0	\$0	\$0	\$C	\$0

	H-2 TUMF Network De										0000						Updated: July 23, 2024
AREA PLAN I Northwest	IST CITY STREETNAME Eastvale Archibald	SEGMEN Remingt		SEGMENTTO River	TOTAL COST MAXIMU \$3,382,000	\$3,382,000	TUMF MSHCP SHARE EXIST NEED LOS E&F SEGMENT DESCRIPTION \$0 Between Whispering Hills and Cadenza, and Providence and San Bernardino County	% EXIST NEED >2 LA 24%	ANE ADJST EXIST 24% 0.6		TUMF V/C SHARE EXIST NEED OBLIG	\$AIED UNFL	UND EXIST NEED MSH \$0	ICP MSI \$0	HCP EXIST NEED N	ASHCP UNFUND EXIST NEED C \$0	COMBINED UNFUND EXIST NEED \$0
Northwest Northwest	Eastvale Hamner Eastvale Hamner	Mission Bellegra		Bellegrave Amberhill	\$0 \$199,000	\$0 \$199.000	\$0 Between Ontario Ranch and Micro, and Riverside and Mission \$0	44% 0%	44% 0.8 0% 0.5		\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Northwest	Eastvale Hamner	Amberhi	hill	Limonite	\$2,787,000	\$2,787,000	\$72,000	0%	0% 0.6	3 1.08	\$0	\$0	\$0	\$72,000	\$0	\$0	\$0
Northwest Northwest	Eastvale Hamner Eastvale Hamner	Limonite Schleism		Schleisman Santa Ana River	\$991,000 \$5,533,000	\$991,000 \$3,675,000	\$0 \$96,000 Between Schleisman and Santa Ana River	0% 100%	0% 0.3 50% 1.2		\$0 33% \$1,858,000	\$0 \$0	\$0 \$1,858,000	\$0 \$144,000	\$0 \$48,000	\$0 \$48,000	\$0 \$1,906,000
Northwest	Eastvale Hellman	Schleism	man	Walters	\$419,000	\$419,000	\$3,000	0%	0% 0.8	6 1.69	\$0	\$0	\$0	\$3,000	\$0	\$0	\$0
Northwest Northwest	Eastvale Hellman Eastvale Hellman	Walters	s nonga Creek	River bridge	\$21,503,000 \$3,828,000	\$21,503,000 \$3,828,000	\$160,000 \$132,000	0% 0%	0% 0.6 0% 0.6		\$0 \$0	\$0 \$0	\$0 \$0	\$160,000 \$132,000	\$0 \$0	\$0 \$0	\$0 \$0
Northwest	Eastvale Limonite	I-15	nonga cicck	Eastvale Gateway	\$289,000	\$289,000	\$0 Between I-15 and Eastvale Gateway	100%	100% 0.9	3 1.32	92% \$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest Northwest	Eastvale Limonite Eastvale Limonite	I-15 Fastvale	le Gateway	interchange Hamner	\$0 \$255,000	\$0 \$255,000	\$0 \$0 Retween Eastvale Gateway and Hamner	0% 100%	0% 0.6 100% 0.9		\$0 90% \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Northwest	Eastvale Limonite	Hamner	er .	Sumner	\$1,094,000	\$1,094,000	\$28,000 Between Hamner and Scholar	50%	50% 0.8	1.16	\$0 \$0	\$0	\$0	\$28,000	\$0	\$0	\$0
Northwest Northwest	Eastvale Limonite Eastvale Limonite	Sumner Harrison		Harrison Archibald	\$497,000 \$0	\$497,000 \$0	\$0 \$0	0% 0%	0% 0.7 0% 0.5		\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Northwest	Eastvale Limonite	Archibal		Hellman (Keller SBD Co.)	\$2,208,000	\$2,208,000 \$0	\$57,000	0%	0% 0.0		\$0 \$0 \$1:	\$0	\$0	\$57,000	\$0	\$0	\$0
Northwest Northwest	Eastvale Limonite Eastvale River	Hellman	nonga Creek ın	bridge Archibald	\$13,920,000 \$5,948,000	\$5,948,000	\$0 \$44,000	0%	0% 0.6 0% 0.6		\$0 \$13	3,920,000 \$0	\$0 \$0	\$480,000 \$44,000	\$0 \$0	\$0 \$0	\$0 \$0
Northwest	Jurupa Valley Armstrong		mardino County	Valley	\$6,192,000	\$6,192,000	\$176,000 Between Sierra and Valley	33%	33% 0.8		\$0	\$0	\$0	\$176,000	\$0	\$0	\$0
Northwest Northwest	Jurupa Valley Bellegrave Jurupa Valley Cantu-Galleano		Galleano Ranch lle	Van Buren Bellegrave	\$464,000 \$793,000	\$464,000 \$793,000	\$12,000 \$21,000	0% 0%	0% 0.4 0% 0.1		\$0 \$0	\$0 \$0	\$0 \$0	\$12,000 \$21,000	\$0 \$0	\$0 \$0	\$0 \$0
Northwest	Jurupa Valley Etiwanda	Philadel	elphia	SR-60	\$1,515,000	\$989,000	\$25,000 Between San Bernardino County and \$8-60	100%	100% 1.1	1 1.49	65% \$526,000	\$0	\$526,000	\$39,000	\$14,000	\$14,000	\$540,000
Northwest Northwest	Jurupa Valley Etiwanda Jurupa Valley Limonite	SR-60 I-15		Limonite Wineville	\$0 \$0	\$0 \$0	\$0 Between SR-40 and Riverside, and Contu Galleano Ranch and Coral \$0 Between I-15 and I-15 NB On Ramp	12% 15%	12% 0.6 15% 0.8		\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Northwest	Jurupa Valley Limonite	Wineville		Etiwanda	\$0	\$0	\$0 Between Eliwanda and Lorena	9%	9% 0.7	6 0.80	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest Northwest	Jurupa Valley Limonite Jurupa Valley Limonite	Etiwand Van Bure		Van Buren Clav	\$2,981,000 \$0	\$2,981,000 \$0	\$77,000 Between Bain and Beach \$0	23% 0%	23% 0.8 0% 0.6		\$0 \$0	\$0 \$0	\$0 \$0	\$77,000 \$0	\$0 \$0	\$U \$0	\$0 \$0
Northwest	Jurupa Valley Limonite	Clay		Riverview	\$0	\$0	\$0	0%	0% 0.6	4 0.79	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest Northwest	Jurupa Valley Market Jurupa Valley Market	Rubidou Santa Ai	oux Ana River	Santa Ana River bridge	\$5,181,000 \$13,920,000	\$0 \$6,204,000	\$0 Between Rubidoux and Aqua Mansa, and Via Cerro and Santa Ana River \$214,000	40% 0%	40% 0.8 0% 1.1		\$0 \$3 45% \$7,716,000	5,181,000 \$0	\$0 \$7,716,000	\$135,000 \$480,000	\$0 \$0	\$0 \$0	\$0 \$7,716,000
Northwest	Jurupa Valley Mission	Milliken		SR-60	\$0	\$0	\$0 Between Milliken and Wineville, and \$R-60 to \$R-60 EB Off Ramp	58%	58% 0.9	1.06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest Northwest	Jurupa Valley Mission Jurupa Valley Riverview	SR-60 Limonite	te	Santa Ana River Mission	\$0 \$0	\$0 \$0	\$0 Between Jurupa and Canal, Riverview and Rubidoux, and Crestmore and Santa Ana River \$0	13% 0%	13% 0.5 0% 0.5		\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Northwest	Jurupa Valley Rubidoux	Pine		Mission	\$0	\$0	\$0 Between SR-60 WB and 30th, and 24th and Market	9%	9% 0.8	6 1.11	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest Northwest	Jurupa Valley Rubidoux Jurupa Valley Valley	SR-60 Armstror	ona	interchange Mission	\$32,698,000 \$0	\$9,051,000 \$0	\$0 \$0 Between Armstrong and Mission	0% 100%	0% 1.6 100% 1.2		28% \$23,647,000 44% \$0	\$0 \$0	\$23,647,000 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$23,647,000 \$0
Northwest	Norco 1st	Parkridg	ge	Mountain	\$0	\$0	\$0	0%	0% 0.7	5 0.89	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest Northwest	Norco 1st Norco 2nd	Mountai River	ain	Hamner I-15	\$0 \$0	\$0 \$0	\$0 \$0 Between Hamner and I-15 SB On Ramp	0% 7%	0% 0.3 7% 0.7		\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Northwest	Norco 6th	Hamner	er	California	\$0	\$0	\$0 Between Hamner and I-15 NB On Ramp	9%	9% 0.6	8 0.76	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest Northwest	Norco 6th Norco Arlington	I-15 Crestvie	ew.	interchange Fairhaven	\$32,698,000 \$4,342,000	\$3,489,000 \$4,342,000	\$0 \$113,000 Between Cirestview and Faithaven	0% 100%	0% 2.5 100% 0.7		11% \$29,209,000	\$0 \$0	\$29,209,000 \$0	\$0 \$113,000	\$0 \$0	\$0 \$0	\$29,209,000 \$0
Northwest	Norco California	Arlingtor		6th	\$15,237,000	\$12,525,000	\$93,000 Between Arlington and 7th, and Green Tree ans 6th	78%	78% 0.9	6 1.14	77% \$2,712,000	\$0	\$2,712,000	\$113,000	\$20,000	\$20,000	\$2,732,000
Northwest Northwest	Norco Corydon Norco Hamner	River	Ana River	5th bridge	\$0 \$33,408,000	\$0 \$11,455,000	\$0 \$395,000	0% 0%	0% 0.5 0% 1.4		\$0 34% \$21,953,000 \$21	\$0 1,621,000	\$0 \$332,000	\$0 \$1,152,000	\$0 \$0	\$0 \$0	\$0 \$332,000
Northwest	Norco Hamner	Santa Ai	Ana River	Hidden Valley	\$49,591,000	\$49,591,000	\$368,000 Between Detroit and Santa Ana River	6%	6% 0.6	5 0.80	\$0	\$0	\$0	\$368,000	\$0	\$0	\$0
Northwest Northwest	Norco Hidden Valley Norco Hidden Valley	I-15 Hamner	ar.	Norco Hills I-15	\$0 \$0	\$0 \$0	\$0 Between H15 to H5 NB On Ramp \$0 Between Hamner and H15	3% 100%	3% 0.5 100% 1.1		\$0 27% \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Northwest	Norco Norco	Corydor		Hamner	\$0	\$0	\$0	0%	0% 0.3	3 0.48	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest Northwest	Norco North Norco River	Californi Archibal		Crestview Corydon	\$0 \$1,743,000	\$0 \$1,109,000	\$0 Between California and Crestview \$8,000 Between Archibald and Sundance	100% 79%	100% 0.9 79% 1.2		80% \$0 54% \$634,000	\$0 \$0	\$0 \$634,000	\$0 \$13,000	\$0 \$5,000	\$0 \$5,000	\$0 \$639,000
Northwest	Riverside 14th	Market		Martin Luther King	\$1,743,000	\$0	\$0	0%	0% 0.6	6 0.76	\$0	\$0	\$0	\$13,000	\$0,000	\$0	\$0
Northwest Northwest	Riverside 1st Riverside 3rd	Market SR-91		Main I-215	\$0 \$1,941,000	\$0 \$1,941,000	\$0 \$14,000	0%	0% 0.2 0% 0.4		\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$14,000	\$0 \$0	\$0 \$0	\$0 \$0
Northwest	Riverside 3rd	BNSF		railroad crossing	\$105,560,000	\$30,560,000	\$1,054,000	0%	0% 0.7		\$0 \$7.5	5,000,000	\$0	\$3,640,000	\$0 \$0	\$0 \$0	\$0
Northwest Northwest	Riverside Adams Riverside Adams	Arlingtor SR-91	on	SR-91 Lincoln	\$0 \$0	\$0 \$0	\$0 \$0	0%	0% 0.4 0% 0.4		\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Northwest	Riverside Adams	SR-91		interchange	\$32,698,000	\$3,262,000	\$0	0%	0% 1.4		10% \$29,436,000	\$935,000	\$28,501,000	\$0	\$0	\$0	\$28,501,000
Northwest Northwest	Riverside Arlington Riverside Buena Vista	Fairhave Santa A	ven Ana River	La Sierra Redwood	\$0 \$0	\$0 \$0	\$0 \$0	0% 0%	0% 0.6 0% 0.8		\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Northwest	Riverside Canyon Crest		Luther King	Central	\$0	\$0 \$0	\$0 Between Martin Luther King and El Cerrito	71%	71% 1.0		55% \$0	\$0	\$0	\$0	\$0 \$0	\$0 \$0	\$0
Northwest Northwest	Riverside Canyon Crest Riverside Canyon Crest	Central		Country Club Via Vista	\$0 \$4,996,000	\$0 \$1,593,000	\$0	0% 100%	0% 0.7 100% 1.3		\$0 32% \$3,403,000	\$0 \$0	\$0 \$3,403,000	\$0 \$142,000	\$0 \$97,000	\$0 \$97,000	\$0 \$3,500,000
Northwest	Riverside Canyon Crest Riverside Canyon Crest	Country Via Visto		Alessandro	\$0	\$0	\$45,000 Between Country Club and Via Vista \$0	0%	0% 0.5		\$0	\$0	\$0,403,000	\$142,000	\$0	\$0	\$3,300,000
Northwest Northwest	Riverside Central Riverside Central	Chicago SR-91	go	I-215/SR-60 Magnolia	\$0 \$0	\$0 \$0	\$0 Between Chicago and Chapala, and Canyon Crest and Quali Run \$0 Between \$8.91 and \$8.91 \$8 On Ramp	32% 6%	32% 0.8 6% 0.6		\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Northwest	Riverside Central	Alessano	ndro	SR-91	\$0	\$0	\$0 Between SR-91 and SR-91 NB On Ramp, and Nottingham and 420 ff West	5%	5% 0.7	5 0.87	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest Northwest	Riverside Central Riverside Chicago	Van Bure Alessand		Magnolia Spruce	\$0 \$0	\$0 \$0	\$0 \$0 Between Martin Luther King and Ransom	0% 43%	0% 0.4 43% 0.8		\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Northwest	Riverside Chicago	Spruce		Columbia	\$0	\$0	\$0	0%	0% 0.7	2 0.85	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest Northwest	Riverside Columbia Riverside Columbia	Main I-215		lowa interchange	\$0 \$32,698,000	\$0 \$9,050,000	\$0 \$0	0% 0%	0% 0.6 0% 2.9		\$0 28% \$23,648,000	\$0 \$0	\$0 \$23,648,000	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$23,648,000
Northwest	Riverside Iowa	Center	•	3rd	\$30,272,000	\$30,272,000	\$225,000 Between Palmyrita and Columbia	11%	11% 0.8	2 0.93	\$0	\$0	\$0	\$225,000	\$0	\$0	\$0
Northwest Northwest	Riverside Iowa Riverside Iowa	3rd Universit	sitv	University Martin Luther King	\$0 \$0	\$0 \$0	\$0 \$0	0% 0%	0% 0.6 0% 0.2		\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Northwest	Riverside JFK	Trautwe		Wood	\$1,880,000	\$1,880,000	\$49,000	0%	0% 0.5	4 0.68	\$0	\$0	\$0	\$49,000	\$0	\$0	\$0
Northwest Northwest	Riverside La Sierra Riverside La Sierra	Arlingtor SR-91	on	SR-91 Indiana	\$0 \$192,000	\$0 \$192,000	\$0 \$0	0% 0%	0% 0.4 0% 0.7		\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Northwest	Riverside La Sierra	Indiana		Victoria	\$778,000	\$778,000	\$0 \$0	0%	0% 0.7	0.80	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest Northwest	Riverside Lemon (NB One v Riverside Lincoln	vay) Mission I Van Bure		University Jefferson	\$0 \$0	\$0 \$0	ჯ∪ \$0	0% 0%	0% 0.1 0% 0.2		\$0 \$0	\$U \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Northwest	Riverside Lincoln	Jefferson		Washington	\$0	\$0	\$0 *^	0%	0% 0.2	6 0.49	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest Northwest	Riverside Lincoln Riverside Madison	Washing SR-91	igion	Victoria Victoria	\$0 \$853,000	\$0 \$853,000	ჯ∪ \$0	0% 0%	0% 0.3 0% 0.6		\$0 \$0	\$U \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Northwest	Riverside Madison	BNSF	-ilea e el	railroad crossing	\$20,010,000	\$20,010,000	\$690,000	0%	0% 0.8	0.80	\$0	\$0	\$0	\$690,000	\$0	\$0	\$0
Northwest Northwest	Riverside Magnolia Riverside Magnolia	BNSF Rai BNSF	uiii0dd	Tyler railroad crossing	\$0 \$0	\$0 \$0	\$0 Between Buchanan and SR-91 EB On Ramp, and SR-91 to La Sierra \$0	53% 0%	53% 0.8 0% 0.9		\$0 \$0	\$U \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Northwest	Riverside Magnolia	Tyler		Harrison	\$0	\$0	\$0	0%	0% 0.5	2 0.66	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest Northwest	Riverside Magnolia Riverside Main	Harrison 1st	n	14th San Bernardino County	\$0 \$0	\$0 \$0	\$0 \$0 Between Columbia and San Bernardino County, and SR-60 WB On Ramp to SR-60 EB On Ramp	0% 43%	0% 0.6 43% 0.7		\$U \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 .so	\$0 \$0
Northwest	Riverside Market	14th		Santa Ana River	\$9,491,000	\$9,491,000	\$70,000 Between Rivera and Santa Ana River	21%	21% 0.7	2 0.92	\$0	\$0	\$0	\$70,000	\$0	\$0	\$0
Northwest Northwest	Riverside Martin Luther King Riverside Mission Inn	14th Redwoo	ood	I-215/SR-60 Lemon	\$24,031,000 \$0	\$24,031,000 \$0	\$178,000 Between Victoria and Sedgwick, and Iowa and I-215 SB On Ramp \$0	41% 0%	41% 0.7 0% 0.2		\$U \$0	\$0 \$0	\$0 \$0	\$178,000 \$0	\$0 \$0	\$0 .so	\$0 \$0
Northwest	Riverside Redwood (SB On	e way) Mission I	Inn	University	\$0	\$0	\$0	0%	0% 0.5	9 0.74	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest Northwest	Riverside Trautwein Riverside Tyler	Alessano SR-91	naro	Van Buren Magnolia	\$0 .\$0	\$0 \$0	\$0 Between Mission Grave and Orange Terrace \$0	43% 0%	43% 0.8 0% 0.3		\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 .\$0	\$0 \$0	\$0 .\$0
Northwest	Riverside Tyler	SR-91		interchange	\$63,061,000	\$21,814,000	\$0	0%	0% 1.5	6 1.90	35% \$41,247,000	\$0	\$41,247,000	\$0	\$0	\$0	\$41,247,000
Northwest Northwest	Riverside Tyler Riverside Tyler	Magnoli Hole	olia	Hole Wells	\$0 \$0	\$0 \$0	\$0 \$0	0% 0%	0% 0.3 0% 0.5		\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Northwest	Riverside Tyler	Wells		Arlington	\$0	\$0	\$0	0%	0% 0.5	9 0.62	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Northwest Northwest	Riverside University Riverside University	Redwoo SR-91	ood	SR-91 I-215/SR-60	\$859,000 \$2,067,000	\$859,000 \$2,067,000	\$0 \$0 Between SR-60 and SR-60 SB On Ramp	0% 2%	0% 0.6 2% 0.5		\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Northwest	Riverside Victoria	Lincoln		Arlington	\$2,087,000	\$0	\$0	0%	0% 0.8	6 1.11	\$0	\$0	\$0	\$0	\$0 \$0	\$0 \$0	\$0
Northwest Northwest	Riverside Victoria Riverside Washington	Madisor Victoria		Washington Hermosa	\$0 \$27,018,000	\$0 \$27,018,000	\$0 \$201,000 Between Dufferin and Overlook, and Bradley and Hermosa	0% 34%	0% 0.3 34% 0.8		\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$201,000	\$0 \$0	\$0 \$0	\$0 \$0
Northwest	Riverside Wood	JFK		Van Buren	\$3,053,000	\$3,053,000	\$79,000	0%	0% 0.8	1 1.03	\$0	\$0	\$0	\$79,000	\$0	\$0	\$0
Northwest Northwest	Riverside Wood Riverside Wood	Van Bure Bergame		Bergamont Krameria	\$0 \$0	\$0 \$0	\$0 \$0	0% 0%	0% 0.5 0% 0.5		\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
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	I-2 TUMF Network Detailed													Updated: July 23, 20
AREA PLAN DIS		SEGMENTFROM	SEGMENTTO	TOTAL COST MAXII	MUM TUMF SHARE MAX	TUMF MSHCP SHARE EXIST NEED LOS E&F SEGMENT DESCRIPTION	% EXIST NEED >2 LAN			/C TUMF V/C SHARE EXIST NEED OBLIGAT	ED UNFUND EXIST NEED MSHCI	P MSHC	CP EXIST NEED MSHCP UNFUND EXIS	T NEED COMBINED UNFUND EXIST NE
Northwest	Unincorporatec Cantu-Galleano Ranch	Hamner	Wineville	\$0	\$0	\$0	0%	0% 0		\$0	\$0 \$0	\$0	\$0	\$0
Northwest Northwest	Unincorporatec Dos Lagos (Weirick) Unincorporatec El Cerrito	Temescal Canyon	I-15 Ontario	\$0	\$0	\$0 Between I-15 and I-15 NB On Ramp	22% 0%	22% 0 0% 0.		\$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0
Northwest	Unincorporatec El Sobrante		Ontario	\$0	\$0	\$0 \$0	0%	0% 0. 0% 0.		\$U	\$0 \$0	\$U	\$0	\$0
Northwest	Unincorporated El Sobrante Unincorporated Harley John	Mockingbird Canyon Washington	Cajalco Scottsdale	\$0	\$0	\$0 \$0	0%	0% 0.		\$O	\$0 \$0	\$U	\$O	\$0
Northwest	Unincorporatec Harley John	Scottsdale	Cajalco	\$O	\$O	\$Ω ΦΟ	0%	0% 0.:		\$O	\$0 \$0	\$0	\$O	\$O
Northwest	Unincorporatec La Sierra	Victoria	El Sobrante	\$0	\$0	\$0. Retween Victoria and Orchard View	40%	40% 0.1		\$ 0	\$0 \$0	\$0	\$0	\$0
Northwest	Unincorporatec La Sierra	El Sobrante	Cajalco	\$0 \$0	\$0	\$0	0%	0% 0		\$0	\$0 \$0	\$0	\$0	\$0
Northwest	Unincorporatec Mockingbird Canvon	Van Buren	El Sobrante	\$20,871,000	\$20,871,000	\$593,000 Between Van Buren and Lindina	31%	31% 0.		\$0	\$0 \$0	\$593,000	\$0	\$0
Northwest	Unincorporatec Temescal Canyon	El Cerrito	Tuscany	\$3,168,000	\$0	\$0	0%	0% 0.		\$0 \$3.16	8,000 \$0	\$90,000	\$O	\$0
Northwest	Unincorporatec Temescal Canyon	Tuscany	Dos Lagos	\$0	\$0	\$0	0%	0% 0.	2 1.08	\$0	\$0 \$0	\$0	\$0	\$0
Northwest	Unincorporatec Temescal Canyon	Dos Lagos	Leroy	\$0	\$0	\$0	0%	0% 0	8 0.74	\$0	\$0 \$0	\$0	\$0	\$0
Northwest	Unincorporatec Temescal Canyon	Leroy	Dawson Canyon	\$0	\$0	\$0	0%	0% 0	6 0.71	\$0	\$0 \$0	\$0	\$0	\$0
Northwest	Unincorporatec Temescal Canyon	Dawson Canyon	I-15	\$0	\$0	\$0 Between I-15 NB On Ramp and 1000 ft North	43%	43% 0.		\$0	\$0 \$0	\$0	\$0	\$0
Northwest	Unincorporatec Temescal Canyon	I-15	interchange	\$32,698,000	\$32,698,000	\$0	0%	0% 0.8		\$0	\$0 \$0	\$0	\$0	\$0
Northwest	Unincorporatec Temescal Canyon	I-15	Park Canyon	\$14,329,000	\$14,329,000	\$427,000 Between I-15 SB On Ramp and Squaw Mountain	27%	27% 0.		\$0	\$0 \$0	\$427,000	\$0	\$0
Northwest	Unincorporatec Temescal Canyon	Park Canyon	Indian Truck Trail	\$0	\$0	\$0	0%	0% 0.0		\$0	\$0 \$0	\$0	\$0	\$0
Northwest	Unincorporatec Washington	Hermosa	Harley John	\$12,787,000	\$12,787,000	\$332,000	0%	0% 0.		\$0	\$0 \$0	\$332,000	\$0	\$0
Northwest	Unincorporated Wood	Krameria	Cajalco	\$12,537,000	\$12,537,000	\$325,000 Between Krameria and Mariposa	17%	17% 0.		\$0	\$0 \$0	\$325,000	\$0	\$0
Pass	Banning 8th	Wilson	I-10	\$0	\$0	\$0	0%	0% 0.:	5 0.37	\$0	\$0 \$0	\$0	\$0	\$0
Pass	Banning Lincoln	Sunset	SR-243	\$0	\$0	\$0	0%	0% 0.		\$0	\$0 \$0	\$0	\$0	\$0
Pass	Banning Ramsey	I-10	8th	\$0	\$0	\$0	0%	0% 0.		\$0	\$0 \$0	\$0	\$0	\$0
Pass	Banning Ramsey	8th I-10	Highland Springs	\$0	\$0	\$0	0%	0% 0.:	4 0.33	\$0	\$0 \$0	\$0	\$0	\$0
Pass	Banning SR-243		Wesley	\$0	\$0	\$0	0%	0% 0.3		\$0	\$0 \$0	\$0	\$0	\$0
Pass Pass	Banning Sun Lakes	Highland Home	Sunset	\$30,502,000 \$8,352,000	\$30,502,000 \$8,352,000	\$226,000 \$288,000	0%	0% 0. 0% 0.		\$U *^	\$0 \$0 \$0 \$0	\$226,000 \$288,000	\$U \$0	⊅ ∪
Pass	Banning Sun Lakes Banning Sun Lakes	Smith Creek	bridge bridge	\$8,352,000 \$5,568,000	\$8,352,000 \$5,568,000	\$288,000 \$192,000	U%	0% 0. 0% 0.		\$0	\$0 \$0	\$288,000 \$192,000	\$O	⊅∪ \$∩
Pass	Banning Sun Lakes Banning Sun Lakes	Montgomery Creek Highland Springs	Highland Home	\$5,568,000 \$0	φο,οοο,υυυ ^^	φ172,000 \$Ω	U% 097	0% 0. 0% 0.		&∪ ⊅U	\$0 \$0	\$192,000 \$0	¢ ∪ ⊅∪	\$O
Pass	Banning Sun Lakes Banning Sunset		Lincoln	\$ ∩	φu	\$0 \$0	0%	0% 0.1		\$0 \$0	\$0 \$0	\$0 \$0	&U ♣0	\$O
Pass	Banning Sunset	Ramsey I-10	interchange	\$32,698,000	\$32,698,000	\$U \$0	0% 0%	0% 0. 0% 0.		\$∩ \$∪	\$0 \$0	\$∩	\$O	\$n
Pass	Banning Wilson	Highland Home	8th	φυ2,070,000 \$Ω	φο Σ,ο,ο,οοο \$ Ω	\$0	0%	0% 0.		\$ ∩	\$0 \$0	\$O	\$0	\$0
Pass	Bannina Wilson	Highland Springs	Highland Home	\$0	\$O	\$O	0%	0% 0.		\$ 0	\$0 \$0	\$0	\$0	\$0
Pass	Beaumont 1st	Viele	Pennsylvania	\$0	\$0	\$0	0%	0% 0.		\$0	\$0 \$0	\$O	\$0	\$0
Pass	Begumont 1st	Pennsylvania	Highland Springs	\$0	\$0	\$0	0%	0% 0.		\$0	\$0 \$0	\$0	\$0	\$O
Pass	Begumont 6th	I-10	Highland Springs	\$0	\$0	\$0	0%	0% 0.:		\$0	\$0 \$0	\$0	\$0	\$0
Pass	Beaumont Desert Lawn	Champions	Oak Valley (STC)	\$0	\$0	\$0	0%	0% 0		\$0	\$0 \$0	\$0	\$O	\$0
Pass	Beaumont Oak Valley (14th)	Highland Springs	Pennsylvania	\$0	\$0	\$0	0%	0% 0.0		\$0	\$0 \$0	\$0	\$0	\$0
Pass	Beaumont Oak Valley (14th)	Pennsylvania	Oak View	\$0	\$0	\$0	0%	0% 0.		\$0	\$0 \$0	\$0	\$O	\$0
Pass	Beaumont Oak Valley (14th)	Oak View	I-10	\$0	\$0	\$0	0%	0% 0.	9 1.04	\$0	\$0 \$0	\$0	\$0	\$0
Pass	Beaumont Oak Valley (14th)	I-10	interchange	\$63,061,000	\$62,401,000	\$O	0%	0% 0.		99% \$660,000	\$0 \$660,000	\$0	\$0	\$0 \$660,0
Pass	Beaumont Oak Valley (STC)	UP Railroad	Tukwet Canyon	\$0	\$0	\$0	0%	0% 0.0		\$0	\$0 \$0	\$0	\$0	\$0
Pass	Beaumont Oak Valley (STC)	Tukwet Canyon	I-10	\$0	\$0	\$0	0%	0% 0.0		\$0	\$0 \$0	\$0	\$0	\$0
Pass	Beaumont Pennsylvania	6th	lst	\$6,588,000	\$6,588,000	\$49,000	0%	0% 0.		\$0	\$0 \$0	\$49,000	\$0	\$0
Pass	Beaumont Pennsylvania	I-10	interchange	\$0	\$0	\$0	0%	0% 0.	1 0.63	\$0	\$0 \$0	\$0	\$0	\$0
Pass	Calimesa Bryant	County Line	Avenue L	\$0	\$0	\$0	0%	0% 0.3		\$0	\$0 \$0	\$0	\$0	\$0
Pass	Calimesa Calimesa	County Line	I-10	\$0	\$0	\$0	0%	0% 0.		\$0	\$0 \$0	\$0	\$0	\$0
Pass	Calimesa Calimesa	I-10	interchange	\$63,061,000	\$63,061,000	\$0	0%	0% 0		\$0	\$0 \$0	\$0	\$0	\$0
Pass	Calimesa County Line	7th	Bryant	\$0	\$0	\$0 Between I-10 WB On Ramp and Calimesa, and Park and 5th	13%	13% 0		\$0	\$0 \$0	\$0	\$0	\$0
Pass	Calimesa County Line	I-10	interchange	\$32,698,000	\$32,698,000	\$0	0%	0% 0.8		\$0	\$0 \$0	\$0	\$0	\$0
Pass	Calimesa Desert Lawn	Palmer	Champions	\$0	\$0	\$0	0%	0% 0.0		\$0	\$0 \$0	\$0	\$0	\$0
Pass	Calimesa Singleton	Avenue L	Condit	\$0	\$0	\$0	0%	0% 0		\$0	\$0 \$0	\$0	\$0	\$0
Pass	Calimesa Singleton	Condit	Roberts	\$12,972,000	\$12,972,000	\$96,000	0%	0% 0.			\$0 \$0	\$96,000	\$0	\$0
Pass	Calimesa Singleton	I-10	interchange	\$63,061,000	\$0	\$0	0%	0% 1.0		0% \$63,061,000	\$0 \$63,061,000	\$0	\$0	\$0 \$63,061,0
Pass	Calimesa Tukwet Canyon	Roberts Rd	Palmer	\$0	\$0	\$0	0%	0% 0.1		\$0	\$0 \$0	\$0	\$0	\$0
Pass Pass	Unincorporated Live Oak Canyon	Oak Valley (STC)	San Bernardino County	\$U	\$O	\$0 Between San Bernardino County and Redlands	22%	0% 0.: 22% 0.:		\$U	\$0 \$0	\$0	\$0	\$O
Pass	Unincorporatec San Timoteo Canyon Unincorporatec San Timoteo Canyon	San Bernardino County UP Railroad	UP Railroad	\$52,780,000	\$52,780,000	\$1.820,000	0%	22% 0.: 0% 0.:		\$O	\$0 \$0	\$1,820,000	\$0	\$O
San Jacinto	Hemet Sanderson	Acacia	railroad crossing Menlo	\$52,780,000 \$0	\$52,780,000 \$0	φ1,620,000 \$Ω	0%	0% 0.1 0% 0.1		\$∩ \$∪	\$0 \$0	\$1,820,000 \$0	\$O	\$n
San Jacinto	Hemet Sanderson	Domenigoni	Stetson	\$ ∩	\$0 \$0	\$0 Between Statson and Thornton	26%	26% 0.		¢Ω Φ0	\$0 \$0	¢∩	\$0	\$0
San Jacinto	Hernet Sanderson	RR Crossina	Acacia	\$ ∩	\$0	\$0	0%	0% 0.		\$O	\$0 \$0	\$0	\$0	\$0
San Jacinto	Hemet Sanderson	Stetson	RR Crossing	\$0	\$0	\$0	0%	0% 0.		\$0	\$0 \$0	\$0	\$0	\$0
San Jacinto	Hemet Sanderson	Menlo	Esplanade	\$0	\$0	\$0	0%	0% 0.		\$0	\$0 \$0	\$0	\$0	\$0
San Jacinto	Hemet SR-74 (Florida)	Warren	Cawston	\$0	\$0	\$0	0%	0% 0.		\$ 0	\$0 \$0	\$0	\$0	\$0
San Jacinto	Hemet SR-74 (Florida)	Columbia	Ramona	\$0	\$0	\$0	0%	0% 0		\$0	\$0 \$0	\$0	\$O	\$0
San Jacinto	Hemet SR-74/SR-79 (Florida)	Cawston	Columbia	\$0	\$0	\$0	0%	0% 0.3		\$0	\$0 \$0	\$0	\$0	\$0
San Jacinto	Hemet State	Domenigoni	Chambers	\$0	\$0	\$0	0%	0% 0		\$0	\$0 \$0	\$0	\$0	\$0
San Jacinto	Hemet State	Chambers	Stetson	\$0	\$0	\$0	0%	0% 0		\$0	\$0 \$0	\$0	\$0	\$0
San Jacinto	Hemet State	Florida	Esplanade	\$0	\$0	\$0	0%	0% 0.3		\$0	\$0 \$0	\$0	\$0	\$0
San Jacinto	Hemet State	Stetson	Florida	\$0	\$0	\$0	0%	0% 0.		\$0	\$0 \$0	\$0	\$0	\$0
San Jacinto	Hemet Stetson	Cawston	State	\$0	\$0	\$0	0%	0% 0		\$0	\$0 \$0	\$0	\$0	\$0
San Jacinto	Hemet Stetson	Warren	Cawston	\$4,357,000	\$4,357,000	\$113,000	0%	0% 0		\$0	\$0 \$0	\$113,000	\$0	\$0
San Jacinto	Hemet Warren	Esplanade	Domenigoni	\$19,926,000	\$19,926,000	\$517,000 Between Devonshire and Stetson	31%	31% 0.		\$0	\$0 \$0	\$517,000	\$O	\$0
San Jacinto	Hemet Warren	Salt Creek	bridge	\$4,176,000	\$4,176,000	\$144,000	0%	0% 0.		\$0	\$0 \$0	\$144,000	\$0	\$0
San Jacinto	San Jacinto Esplanade	Mountain	State	\$0	\$0	\$0	0%	0% 0.3		\$0	\$U \$U	\$0	\$U	∌U #O
	San Jacinto Esplanade	State	Warren	\$0 **	\$0	\$U	0%	0% 0.:		\$0	\$U \$U	\$0	\$U	⊅U #O
	San Jacinto Sanderson	Ramona	Esplanade	\$0	\$0	\$U	0%	0% 0		\$0	\$U \$U	\$0 #0	\$U	∌U #O
San Jacinto	San Jacinto SR-79 (North Ramona)	State	San Jacinto	\$U	\$U	\$U \$0	U%	0% 0		\$U *^	φυ \$U \$0	\$U	\$O	⊅∪ \$∩
San Jacinto	San Jacinto SR-79 (San Jacinto)	North Ramona Blvd 7th	/m SR-74	⊅ U	\$O	⊅ ∪ ¢o	0%	0% 0.		⊅U ¢≏	φυ \$ U	\$O	⊅ ∪	φ∪ ¢Ω
	San Jacinto SR-79 (San Jacinto)	7 111		\$U	\$U	ΦO.	U%	0% 0.: 0% 0.:		\$U	φυ \$U	\$U	⊅ U	φU ¢O
San Jacinto	San Jacinto State San Jacinto State	Ramona Gilman Springs	Esplanade Ougandt Panch	\$0 \$3,317,000	\$0 \$3,317,000	\$U \$86,000	U%			\$U *0	\$0 \$0	\$0 \$86,000	\$O	⊅∪ \$∩
San Jacinto	San Jacinto State San Jacinto State	Gilman Springs San Jacinto River	Quandt Ranch bridge	40, ۱۲, ۵00	\$3,317,000 \$0	φου,υυυ ¢n	U% 0ar	0% 0.0 0% 0.0		\$U	\$0 \$0	\$86,000 \$0	\$O	φυ \$0
	San Jacinto State San Jacinto State	San Jacinto River Quandt Ranch	Pamona Ramona	\$0 \$0	\$O	Φ∩ \$O	U% 097	0% 0.i		⊅U ¢∩	\$0 \$0	ֆU ¢∩	&U ⊅∩	φ∪ \$∩
San Jacinto				\$U \$13,469,000	\$0 \$13,469,000	\$350.000 \$0	U%			⊅ U	φυ ֆ U	\$350 000 \$U	\$O	φ∪ \$∩
San Jacinto San Jacinto	San Jacinto Warren Unincorporated Gilman Springs	Ramona Sanderson	Esplanade State	\$13,469,000 \$11,097,000	\$13,469,000 \$11,097,000	\$350,000 \$288,000	U%	0% 0.0 0% 0.0		\$0	\$0 \$0	\$350,000 \$288,000	\$O	⊅∪ \$∩
		Massacre Canyon Wash	bridge	\$1,392,000	\$1,392,000	\$288,000 \$48,000	0%	0% 0.0		\$∩ \$∪	\$0 \$0	\$288,000 \$48,000	\$O	\$n
San Jacinto	Unincorporatec SR-79 (Winchester)	SR-74 (Florida)	Domenigoni	\$1,372,000	\$n	\$0	0%	0% 0.		\$∪	\$0 \$0	\$0	\$0	\$0
- 3 5001110		31. 7 . (1.1011da)	20ogo///	ΨΟ	ΨΟ	Ψ	0/0	0,0	_ 1.00	ΨΟ	T- 40	ΨΟ	40	+-

U	pdated:	July	23.	2024

AREA PLAN DIS		STREETNAME	SEGMENTFROM	SEGMENTTO		AXIMUM TUMF SHARF MA	X TUMF MSHCP SHARE EXIST NEED LOS E&F SEGMENT DESCRIPTION	% EXIST NEED >2 LANE AD	DIST FXIST V/C	FUTURE V/C	TUMF V/C SHARE EXIST NEED	OBLIGATED II	NEUND EXIST NEED MSHCP	M.	SHCP EXIST NEED MSHC	CP UNFUND EXIST NEED COMBIN	NED UNEUND EXIST NEED
Southwest	Lake Elsinore	Corydon	Mission	Grand	\$3,336,000	\$3,336,000	\$87,000	0%	0% 0.73	1.02	\$0	\$0	\$0	\$87,000	\$0	\$0	\$0
Southwest	Lake Elsinore	Diamond	Mission	I-15	\$0	\$0	\$0	0%	0% 0.73	0.93	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest	Lake Elsinore	Franklin (integral to Railroad		interchange	\$32,698,000	\$32,698,000	\$0	0%	0.66	1.25	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest	Lake Elsinore		Lincoln Toft	Toff	\$0 \$3,512,000	\$0	\$0	0% 0%	0% 0.47 0% 0.68	0.65	\$0	\$0	\$0 \$0	\$0	\$0 \$0	\$0	\$0
Southwest Southwest	Lake Elsinore Lake Elsinore	Lake	I-15	SR-74 (Riverside) Lincoln	\$3,312,000 \$39,817,000	\$3,512,000 \$32,726,000	\$91,000 \$335,000 Between Orange Grove and the I-15 SB On Ramp		0% 0.68 76% 0.99	0.92 1.28	77% \$7,091,000	\$0 \$0	\$7,091,000	\$91,000 \$407,000	\$73,000	\$73,000	\$7,164,000
Southwest		Lake	I-15	interchange	\$32,698,000	\$15,771,000	\$0	0%	0% 1.08	1.25	48% \$16,927,000		\$16,927,000	\$0 \$0	\$0	\$n	\$16,927,000
		Lake	Temescal Wash	bridge	\$2,506,000	\$1,150,000	\$39,000	0%	0% 1.12	1.31	46% \$1,356,000		\$1,356,000	\$86,000	\$0	\$0	\$1,356,000
Southwest	Lake Elsinore	Mission	Railroad Canyon	Bundy Canyon	\$0	\$0	\$0	0%	0% 0.48	0.74	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest		Nichols	I-15	Lake	\$7,850,000	\$7,850,000	\$204,000	0%	0% 0.59	0.96	\$0	\$0	\$0	\$204,000	\$0	\$0	\$0
	Lake Elsinore	Nichols	Temescal Wash	bridge	\$4,176,000	\$4,176,000	\$144,000	0%	0% 0.63	1.12	\$0	\$0	\$0	\$144,000	\$0	\$0	\$0
Southwest	Lake Elsinore	Nichols	I-15	interchange	\$63,061,000	\$63,061,000	\$0	0%	0% 0.63	1.12	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest Southwest	Lake Elsinore Lake Elsinore	SR-74 (Collier/Riverside) SR-74 (Grand)	I-15 Riverside	Lakeshore SR-74 (Ortega)	\$24,303,000 \$9,733,000	\$24,303,000 \$3,691,000	\$180,000 Between Strickland and Collier \$27,000 Between Siverside and Ortega	31% 100% 1	31% 0.86 100% 1.19	1.05 1.37	38% \$6,042,000	\$U .\$0	\$6,042,000	\$180,000 \$72,000	\$45,000	\$45,000	\$6,087,000
Southwest	Lake Elsinore	SR-74 (Grand) SR-74 (Riverside)	Lakeshore	Grand	\$20,175,000	\$20,175,000	\$150,000 Between kiverside and Orrega		31% 0.78	0.91	36% \$6,042,000 \$0	\$0	\$0,042,000	\$150,000	\$0	\$45,000 \$0	φο,007,000
Southwest	Lake Elsinore	Temescal Canyon	I-15	Lake	\$7,411,000	\$7,411,000	\$211,000		0% 0.64	1.17	\$0	\$0	\$0	\$211,000	\$0	\$0	\$0
Southwest	Lake Elsinore	Temescal Canyon	Temescal Wash	bridge	\$3,480,000	\$3,480,000	\$120,000	0%	0% 0.85	1.28	\$0	\$0	\$0	\$120,000	\$0	\$0	\$0
Southwest	Murrieta	California Oaks	Jefferson	I-15	\$0	\$0	\$0	0%	0% 0.47	0.61	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest	Murrieta	California Oaks	I-15	Jackson	\$0	\$0	\$0	0%	0% 0.76	0.89	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest	Murrieta	California Oaks	Jackson	Clinton Keith	\$0	\$0	\$0	0%	0% 0.65	0.77	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest Southwest	Murrieta Murrieta	Jackson Jefferson	Whitewood Palomar	Ynez Nutmeg	\$0 \$1,562,000	\$0 \$1,562,000	\$0 \$44,000	0%	0% 0.32 0% 0.07	0.62 0.10	\$0	\$0	\$0	\$0 \$44,000	\$0	\$0	\$0
Southwest	Murrieta	Jefferson	Nutmeg	Murrieta Hot Springs	\$1,362,000 \$0	\$1,362,000	\$44,000 \$0	0%	0% 0.46	0.10	φ0 \$0	фU \$0	\$O	\$44,000 \$0	\$O	\$0	\$O
Southwest	Murrieta	Jefferson	Murrieta Hot Springs	Cherry	\$30,634,000	\$30,634,000	\$227,000	0%	0% 0.47	0.80	φυ \$0	фО \$О	\$0	\$227,000	\$0 \$0	\$0	\$O .\$O
Southwest	Murrieta	Keller	I-215	Whitewood	\$0	\$0	\$0	0%	0% 0.20	0.45	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest	Murrieta	Keller	I-215	interchange	\$0	\$0	; \$0	0%	0% 0.09	0.06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest	Murrieta	Los Alamos	Jefferson	I-215	\$0	\$0	\$0	0%	0% 0.24	0.38	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest	Murrieta	Murrieta Hot Springs	Jefferson	I-215	\$0	\$0	\$0 Between Hancock and I-215		17% 0.62	0.90	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest	Murrieta	Murrieta Hot Springs	I-215	Margarita	\$0	\$0	\$0 Between I-215 and I-215 NB On Ramp, and Alta Murrieta and St. Maria	11%	11% 0.82	1.08 1.33	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest Southwest	Murrieta Murrieta	Murrieta Hot Springs Nutmeg	Margarita Jefferson	SR-79 (Winchester) Clinton Keith	\$4,057,000 \$0	\$3,899,000 \$0	\$101,000 Between Margarita and Calle del Lago	57% 0%	57% 0.93 0% 0.45	0.69	93% \$158,000	\$0 \$0	\$158,000 \$0	\$105,000 \$0	\$4,000 \$0	\$4,000 \$0	\$162,000
Southwest	Murrieta	Whitewood	Clinton Keith	Los Alamos	\$2,708,000	\$2,708,000	\$77,000	0%	0% 0.45	0.76	φο \$Ω	\$O \$O	\$0	\$77,000	\$0	\$O	\$0
Southwest	Murrieta	Whitewood	Los Alamos	Murrieta Hot Springs	\$2,700,000	\$0	\$0		0% 0.45	0.75	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest	Murrieta	Whitewood	Murrieta Hot Springs	Jackson	\$4,629,000	\$4,629,000	\$47,000	0%	0% 0.15	0.16	\$0	\$0	\$0	\$47,000	\$0	\$0	\$0
Southwest	Murrieta	Ynez	Jackson	SR-79 (Winchester)	\$0	\$0	\$0	0%	0% 0.62	1.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest	Temecula	Butterfield Stage	Murrieta Hot Springs	Calle Chapos	\$816,000	\$816,000	\$0	0%	0% 0.61	1.15	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest	Temecula	Butterfield Stage	Calle Chapos	La Serena	\$696,000	\$696,000	\$0		0% 0.58	0.93	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest Southwest	Temecula	Butterfield Stage	La Serena	Rancho California Pauba	\$904,000 \$846,000	\$904,000 \$846,000	\$0 Between La Serena and Rancho California	100% 1 5%	100% 0.95	1.21	85% \$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest	Temecula Temecula	Butterfield Stage Butterfield Stage	Rancho California Pauba	SR-79 (Temecula Pkwy)	\$725,000	\$725,000	\$0 Between Rancho California and Creek \$21,000		5% 0.55 0% 0.49	0.88 0.84	\$O	φU \$0	\$0 \$0	\$21,000	\$O	\$0	\$0
Southwest	Temecula	lefferson	Cherry	Rancho California	\$2,285,000	\$2,285,000	\$0	0%	0% 0.34	0.92	\$0 \$0	\$O \$O	\$0	\$0	\$0	\$O	\$0 \$0
Southwest	Temecula	Margarita	Murrieta Hot Springs	SR-79 (Temecula Pkwy)	\$7,644,000	\$7,644,000	\$0 Between Winchester and Campos Verdes, and Solana and 250 ft North of Ramsey	5%	5% 0.65	1.04	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest	Temecula	Old Town Front	Rancho California	I-15/SR-79 (Temecula Pkwy)	\$0	\$0	\$0	0%	0% 0.68	1.37	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest	Temecula	Pechanga Pkwy	SR-79 (Temecula Pkwy)	Via Gilberto	\$0	\$0	\$0	0%	0% 0.72	1.02	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest	Temecula	Pechanga Pkwy	Via Gilberto	Pechanga Pkwy	\$0	\$0	\$0	0%	0% 0.42	0.52	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest Southwest	Temecula Temecula	Rancho California Rancho California	Jefferson I-15	Margarita interchanae	\$18,254,000 \$32,698,000	\$18,181,000	\$101,000 Between I-15 SB On Ramp and I-15, and Moraga and Casmic	40% 0%	40% 0.90 0% 1.55	1.37	99% \$73,000 63% \$12,098,000		\$73,000 \$0	\$101,000	\$0	\$0	\$73,000
Southwest	Temecula	Rancho California	Margarita	Butterfield Stage	\$32,676,000	\$0	\$O		0% 1.55 0% 0.63	2.67 0.74	63% \$12,076,000 \$0	\$32,070,000	\$0 \$0	φO	\$O	\$0	\$0
Southwest	Temecula	SR-79 (Temecula Pkwy)	I-15	Pechanga Pkwy	\$0 \$0	\$0	\$0 Between I-15 and Pechanga		100% 1.08	1.42	65% \$0	\$0	\$0	\$0	\$0 \$0	\$O	\$0
Southwest	Temecula	SR-79 (Temecula Pkwy)	Pechanga Pkwy	Butterfield Stage	\$3,065,000	\$3,065,000	\$0		0% 0.65	0.88	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest	Unincorporate	c Briggs	Scott	SR-79 (Winchester)	\$6,509,000	\$6,509,000	\$169,000	0%	0% 0.41	0.70	\$0	\$0	\$0	\$169,000	\$0	\$0	\$0
Southwest		c Butterfield Stage	Tucalota Creek	bridge	\$0	\$0	\$0	0%	0% 0.41	0.70	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest		c Butterfield Stage (Pourroy)	Auld	Murrieta Hot Springs	\$23,076,000	\$23,076,000	\$656,000 Between Auld and Honey Pine	23%	12% 0.88	0.99	\$0	\$0	\$0	\$656,000	\$0	\$0	\$0
Southwest Southwest	Unincorporate	c Grana c Horsethief Canvon	Ortega Temescal Canvon	Corydon I-15	\$68,025,000 \$0	\$68,025,000 \$0	\$505,000 Between Zinck and Stoneman, and Ontario and Corydon	16% 0%	16% 0.80 0% 0.81	1.06 0.64	\$0	\$0	\$0 \$0	\$505,000	\$0	\$0	\$0
Southwest		c Indian Truck Trail	Temescal Canyon	I-15	\$0 \$0	\$0 \$0	\$O		0% 0.15	0.84	\$0 \$0	\$O \$O	\$O	\$0	\$0	\$O	\$0
Southwest		c Murrieta Hot Springs	SR-79 (Winchester)	Pourroy	\$0	\$0	\$0 Between Winchester and Vons	4%	4% 0.46	0.86	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest	Unincorporate		Pechanga	San Diego County	\$0	\$0	\$0 Between Pechango and Rainbow Oaks	48%	48% 0.88	1.48	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Southwest	Unincorporate		SR-79 (Winchester)	Auld	\$2,236,000	\$2,236,000	\$64,000	0%	0% 0.42	0.57	\$0	\$0	\$0	\$64,000	\$0	\$0	\$0
Southwest		c Rancho California	Butterfield Stage	Glen Oaks	\$87,369,000	\$87,369,000	\$482,000	0%	0% 0.65	0.93	\$0	\$0	\$0	\$482,000	\$0	\$0	\$0
Southwest		c Temescal Canyon	Horsethief Canyon Wash	bridge	\$3,340,000	\$3,340,000	\$115,000	0%	0% 0.66	0.86	\$0	\$0	\$0	\$115,000	\$0	\$0	\$0
Southwest Southwest		c Temescal Canyon c Temescal Canyon	Indian Truck Trail Indian Wash	I-15 bridge	\$15,739,000 \$1,462,000	\$15,739,000 \$1,462,000	\$447,000 \$50,000	0%	0% 0.64 0% 0.61	0.97	\$0	\$0	\$0	\$447,000 \$50,000	\$0	\$0	\$0
Southwest	Wildomar	Bundy Canyon	Mission	I-15	\$9,704,000	\$9,704,000	\$72,000 \$72,000	0% 0%	0% 0.61 0% 0.60	0.80	¢υ \$0	\$∪ \$∪	\$∩	\$72,000	\$O	φυ \$Ω	¢ ∪ ⊅∪
Southwest	Wildomar	Grand	Corvdon	Wildomar Trail	\$0	\$7,704,000	\$0	0%	0% 0.80	0.89	\$0 \$0	\$O	\$0	\$0	\$0	\$0	\$O
outhwest	Wildomar	Mission	Bundy Canyon	Palomar	\$0	\$0	\$0	0%	0% 0.20	0.43	\$0	\$0	\$0	\$0	\$0	\$0	\$0
outhwest	Wildomar	Palomar	Clinton Keith	Washington	\$3,227,000	\$3,227,000	\$84,000		0% 0.59	0.88	\$0	\$0	\$0	\$84,000	\$0	\$0	\$0
outhwest	Wildomar	Palomar	Mission	Clinton Keith	\$13,493,000	\$13,493,000	\$383,000		0.60	0.88	\$0	\$0	\$0	\$383,000	\$0	\$0	\$0
Southwest	Wildomar	Wildomar Trail	I-15	Baxter	\$1,281,000	\$1,281,000	\$33,000 Between I-15 SB On Ramp to Baxter		73% 0.87	1.06	\$0	\$0	\$0	\$33,000	\$0 22	\$0	\$0
Southwest Southwest	Wildomar Wildomar	Wildomar Trail Wildomar Trail	I-15 Baxter	interchange Palomar	\$32,698,000 \$11,316,000	\$27,858,000 \$11,316,000	\$0 \$84,000 Between Baxter and Cervera		0% 0.94 35% 0.82	1.15 0.94	85% \$4,840,000	\$0	\$4,840,000	\$0 \$84,000	\$0	\$0	\$4,840,000
Southwest	Wildomar	Wildomar Trail	Palomar	Palomar Grand	\$11,316,000 O\$	000,610,114 0\$	\$0.4,000 Between Baxter and Cervera	35% 0%	0% 0.82	1.03	\$U \$n	ΦΩ Ω\$	ΦU \$Ω	φο4,UUU \$Ω	\$O \$U	ψ D	\$0 \$0
ubtotal	iaomiai	domar nall	, alomai	S.dild	\$2,508,329,000	\$1,913,028,000	\$23,597,000	13.2%	U.0/	1.03	\$365,640.000	\$264,315,000	\$330,986,000	\$32,098,000	\$318,000	\$318,000	\$331,304,000
Totals	Network				\$ 4,840,250,000 \$	3,874,735,000 \$	53,859,000		nded Existing Need Adju	stment	T000/0 10/000	\$382,886,000	\$ 582,629,000 \$	64,606,000 \$	40.0,000	1,263,000 \$	583,892,000
-	Transit				\$ 217,870,000 \$	154,831,000		28.9% Transit Existing					\$ 63,039,000	••••••	· ····· •	• • • • • • •	
	Administration				\$ 161,183,000 \$	161,183,000											
	MSHCP TOTAL				\$ 64,606,000 \$	53,859,000		10.007 *				9	\$ 1,263,000				
	IOIAL				\$ 5,283,909,000 \$	4,244,608,000		12.2% Total Unfunde	ea Existing Need Adjustr	nent		3	\$ 646,931,000				

EXHIBIT H-3 Regional Transit Existing Need Share

Summary of Transit Trip Change

Year	Western Riverside Daily Transit Trips
2023*	16,575
2045**	57,282
Growth 2023 - 2045	40,707
Existing Need Share:	28.9%
Future Growth Share:	71.1%

Notes:

 * - 2023 actual average weekday daily ridership provided by RTA staff December 1, 2023

** - 2045 forecast average weekday daily ridership obtained from SCAG 2020 RTP/SCS Model as provided by Fehr and Peers November

Maximum TUMF Transit Component Value

RTA Transit Full Mitigation Cost	Existing Need Cost	MAX TUMF TRANSIT VALUE
\$217,870,000	\$63,039,000	\$154,831,000
Total MAX TUMF VALUE		\$4,297,490,440
Transit Share of MAX TU	IMF VALUE	3.6%

Appendix I - Western Riverside County Regional Trip Distribution

In order to ensure an equitable regional/zonal distribution of potential TUMF revenues, the distribution of trips in the WRCOG region was analyzed to determine the distribution between local (intra-zonal) and regional (inter-zonal) trips. This analysis was completed using the Year 2040 No-Build scenario Origin-Destination (O-D) vehicle trip tables from RivCoM. The analysis of vehicle trips based on the respective trip ends as stratified by zone is considered sufficient to establish the rough proportionality between local (intrazonal) and regional (inter-zonal) trips because this measure is intended to only serve as a guide in the distribution of potential TUMF revenues between regional and local projects, and is not intended to serve as the basis for quantifying the relative magnitude of the impacts of different types of new development on the TUMF network (as described in **Appendix J**)

The first step in the analysis was to create a correspondence table between the traffic analysis zones (TAZ's) in the RivCoM model and the five WRCOG TUMF zones: Northwest, Central, Pass Area, Hemet/San Jacinto, and Southwest. A table detailing the TAZ correspondence for each WRCOG TUMF zone is included as **Exhibit I-1** in this Appendix. The vehicle trip tables by TAZ were aggregated to obtain the trip summary between six districts (five WRCOG TUMF Zones and one for the rest of Southern California region included in the model analysis area)

Table 5.1 and **5.2** of the Nexus Study produce a matrix of total combined AM and PM peak period vehicle trips between the six districts. This information is subsequently weighted by TUMF future network lane miles in **Table 5.3** to determine the relative share of trips that can be allocated between the backbone network and secondary network. **Exhibits I-2** through **I-11** provide the corresponding peak period vehicle trip matrices for each of the four time periods analyzed by the RivCoM model (AM peak, midday, PM peak and overnight) as well as total daily trips between the six districts.

EXHIBIT I-1
RIVCOM TAZ Correspondence by WRCOG TUMF Zone - Hemet/San Jacinto

1008	Riverside	Central	Lake Elsinore Menifee
1044	Riverside	Central	
1044 1045 1046	Riverside Riverside	Central Central	Menifee Menifee Menifee
1046 1047 1048	Riverside	Central Central	Menifee
1049	Riverside Riverside	Central	Menifee Menifee
1050	Riverside	Central	Menifee
1051	Riverside	Central	Menifee
1052	Riverside	Central	Menifee
1053	Riverside	Central	Menifee
1054	Riverside	Central	Menifee
1055	Riverside	Central	Menifee
1056	Riverside	Central	Menifee
1057	Riverside	Central	Menifee
1058	Riverside	Central	Menifee
1059	Riverside	Central	Menifee
1060	Riverside	Central	Menifee
	Riverside	Central	Menifee
1062	Riverside	Central	Menifee
1064	Riverside Riverside	Central	Menifee Menifee
1065	Riverside	Central	Menifee
1066	Riverside	Central	Menifee
1067	Riverside	Central	Menifee
	Riverside	Central	Menifee
1069	Riverside	Central	Menifee
1070	Riverside	Central	Menifee
1071	Riverside	Central	Menifee
1072	Riverside	Central	Menifee
1073	Riverside	Central	Menifee
1074	Riverside	Central	Menifee
1075	Riverside	Central	Menifee
1076	Riverside	Central	Menifee
1077	Riverside	Central	Menifee
1078	Riverside	Central	Menifee
1079	Riverside	Central	Menifee
1080	Riverside	Central	Menifee
1081	Riverside	Central	Menifee
	Riverside	Central	Menifee
1083	Riverside	Central	Menifee
	Riverside	Central	Menifee
1085	Riverside Riverside	Central	Menifee Menifee
1087	Riverside	Central	Menifee
1088	Riverside Riverside	Central	Menifee Menifee
1090	Riverside	Central	Menifee
	Riverside	Central	Menifee
1092	Riverside	Central	Menifee
1093	Riverside	Central	Menifee
1094	Riverside	Central	Menifee
1095	Riverside	Central	Menifee
1096	Riverside	Central	Menifee
1097	Riverside	Central	Menifee
1098	Riverside	Central	Menifee
1099	Riverside	Central	Menifee
1100	Riverside	Central	Menifee
1101	Riverside	Central	Menifee
1102	Riverside	Central	Menifee
1103	Riverside	Central	Menifee
1104	Riverside	Central	Menifee
1105	Riverside	Central	Menifee
1106	Riverside	Central	Menifee
	Riverside	Central	Menifee
1108	Riverside	Central	Menifee
	Riverside	Central	Menifee
1110	Riverside Riverside	Central	Menifee Menifee
1112	Riverside	Central	Menifee
1114	Riverside Riverside Riverside	Central Central	Menifee Menifee Menifee
1116	Riverside	Central	Menifee Menifee
1118	Riverside Riverside	Central	Menifee Menifee Menifee
1119	Riverside Riverside	Central Central	Menifee
1122	Riverside	Central	Menifee
	Riverside	Central	Menifee
1123	Riverside	Central	Menifee
	Riverside	Central	Menifee
1125	Riverside	Central	Menifee
	Riverside	Central	Menifee
1127	Riverside	Central	Menifee
1128	Riverside	Central	Menifee
1129	Riverside	Central	Menifee
1130	Riverside	Central	Menifee
1131	Riverside	Central	Menifee
	Riverside	Central	Menifee
1133	Riverside	Central	Menifee
	Riverside	Central	Menifee
1135	Riverside	Central	Menifee
	Riverside	Central	Menifee
1137	Riverside	Central	Menifee
1138	Riverside		Menifee
1139	Riverside	Central	Menifee
	Riverside	Central	Menifee
1141	Riverside	Central	Menifee
	Riverside	Central	Menifee
1143	Riverside Riverside	Central	Moreno Valley
1145	Riverside Riverside	Central Central	Moreno Valley Moreno Valley Moreno Valley
1146	Riverside	Central Central	Moreno Valley Moreno Valley
1148 1149 1150	Riverside Riverside	Central	Moreno Valley
1151	Riverside Riverside	Central	Moreno Valley Moreno Valley
1152 1153 1154	Riverside Riverside	Central Central	Moreno Valley Moreno Valley
1155	Riverside Riverside	Central Central	Moreno Valley Moreno Valley
1156	Riverside	Central	Moreno Valley Moreno Valley
1157	Riverside	Central	
1158	Riverside	Central	Moreno Valley
1159	Riverside	Central	Moreno Valley
1160 1161	Riverside Riverside	Central	Moreno Valley
1162	Riverside	Central	Moreno Valley Moreno Valley Moreno Valley
1163	Riverside	Central	
1164	Riverside	Central	Moreno Valley
	Riverside	Central	Moreno Valley
1166	Riverside	Central	Moreno Valley
	Riverside	Central	Moreno Valley
1168 1169	Riverside Riverside	Central	Moreno Valley
1170	Riverside Riverside	Central Central	Moreno Valley Moreno Valley Moreno Valley
1172	Riverside Riverside	Central Central	Moreno Valley Moreno Valley
1174	Riverside	Central	Moreno Valley
1176	Riverside Riverside	Central	Moreno Valley Moreno Valley
1177	Riverside Riverside	Central Central	Moreno Valley Moreno Valley
1179	Riverside	Central	Moreno Valley
	Riverside	Central	Moreno Valley
1181	Riverside	Central	Moreno Valley
1182	Riverside	Central	Moreno Valley
1183	Riverside	Central	Moreno Valley
1184	Riverside	Central	Moreno Valley
1185	Riverside Riverside	Central	Moreno Valley
1187	Riverside Riverside	Central	Moreno Valley Moreno Valley Moreno Valley
1188 1189 1190	Riverside	Central Central	Moreno Valley
1190	Riverside Riverside	Central	Moreno Valley Moreno Valley
1192	Riverside Riverside	Central	Moreno Valley Moreno Valley Moreno Valley Moreno Valley
1194	Riverside	Central Central	

ı Jac	into			
TA		County Riverside	WRCOG Zone Central	City Moreno Valley
11	98	Riverside	Central	Moreno Valley
12	99 00	Riverside Riverside	Central Central	Moreno Valley Moreno Valley
	01 02	Riverside Riverside	Central Central	Moreno Valley Moreno Valley
12	03	Riverside	Central	Moreno Valley
12	04 05	Riverside Riverside	Control	Moreno Valley Moreno Valley Moreno Valley
12	06 07	Riverside Riverside	Central Central	Moreno Valley
12	08	Riverside Riverside	Central Central	Moreno Valley Moreno Valley
12	10	Riverside	Central	Moreno Valley
12 12	12	Riverside Riverside	Central Central	Moreno Valley Moreno Valley
12 12 12	13	Riverside Riverside	Central	Moreno Valley
12	15 16	Riverside	Control	Moreno Valley Moreno Valley
12	17	Riverside Riverside	Central Central	Moreno Valley Moreno Valley
12	19	Riverside Riverside	Central Central	Moreno Valley Moreno Valley
12 12	20 21	Riverside Riverside	Central Central	Moreno Valley Moreno Valley
12	22	Riverside	Central	Moreno Valley Moreno Valley
12	24	Riverside Riverside	Central	Moreno Valley
12		Riverside Riverside	Central Central	Moreno Valley Moreno Valley
12	27 28	Riverside Riverside	Central Central	Moreno Valley Moreno Valley
12	29	Riverside Riverside	Central	Moreno Valley
12	30 31	Riverside	Central	Moreno Valley
	33	Riverside Riverside	Central Central	Moreno Valley
12		Riverside Riverside	Central Central	Moreno Valley Moreno Valley
12	36	Riverside	Central	Moreno Valley
12	35 36 37 38 39 40	Riverside Riverside	Central Central	Moreno Valley Moreno Valley
12	39 40	Riverside Riverside	Central	Moreno Valley Moreno Valley
12	41 42	Riverside Riverside	Central Central	Moreno Valley Moreno Valley
12	43	Riverside	Central	Moreno Valley
12	44 45	Riverside Riverside	Central	Moreno Valley Moreno Valley
12	46 47	Riverside Riverside	Central	Moreno Valley
12	48 49	Riverside Riverside	Central Central	Moreno Valley Moreno Valley Moreno Valley
12	50 51	Riverside	Central Central	Moreno Valley
12	52	Riverside Riverside	Central	Moreno Valley Moreno Valley
12		Riverside Riverside	Central Central	Moreno Valley Moreno Valley
12	55 56	Riverside Riverside	Central Central	Moreno Valley Moreno Valley
12	57 58	Riverside	Central	Moreno vallev
12		Riverside Riverside	Central Central	Moreno Valley Moreno Valley
12	60 61	Riverside Riverside	Central Central	Moreno Valley Moreno Valley
12	62	Riverside Riverside	Central Central	Moreno Valley Moreno Valley
12 12 12	64	Riverside	Central	Moreno Valley Moreno Valley
12	66	Riverside Riverside	Central	Moreno Valley
12	67 68	Riverside Riverside	Central Central	Moreno Valley Moreno Valley
	69 70	Riverside Riverside	Central Central	Moreno Valley Moreno Valley
12		Riverside Riverside	Central Central	Moreno Valley Moreno Valley
12	73	Riverside	Central	Moreno Valley
12 12	75	Riverside Riverside	Central Central	Moreno Valley Moreno Valley
12	76 77	Riverside Riverside	Central Central	Moreno Valley Moreno Valley
12	79 80	Riverside Riverside	Central Central	Moreno Valley
12	81	Riverside	Central	Morono Vallov
12	82 83	Riverside Riverside	Central	Moreno Valley Moreno Valley
	84 85	Riverside Riverside	Central Central	Moreno Valley Moreno Valley
17	93 94	Riverside Riverside	Central Central	Perris Perris
17	95	Riverside	Central	Perris
17	96 97	Riverside Riverside	Central Central	Perris Perris
	98 99	Riverside Riverside	Central	Perris Perris
18	00 01	Riverside Riverside	Central Central	Perris Perris
18	02	Riverside	Central	Perris
18	03 04	Riverside Riverside	Central	Perris Perris
18	05 06	Riverside Riverside	Central Central	Perris Perris
18	07 08	Riverside Riverside	Central Central	Perris Perris
18	09	Riverside Riverside	Central Central	Perris Perris
18	11	Riverside	Central Central	Perris Perris
18	13	Riverside Riverside	Control	Perris
18 18	14 15	Riverside Riverside	Central Central	Perris Perris
18 18		Riverside Riverside	Central Central	Perris Perris
18	18	Riverside	Central	Perris
18 18	20	Riverside Riverside	Central Central	Perris Perris
18 18	21	Riverside Riverside	Central Central	Perris Perris
18	23 24	Riverside Riverside	Central Central	Perris Perris
18	25	Riverside	Central	Perris
18 18	27	Riverside Riverside	Central Central	Perris Perris
18 18	29	Riverside Riverside	Central Central	Perris Perris
	30	Riverside Riverside	Central Central	Perris Perris
18	32	Riverside	Central	Perris
18	33 34	Riverside Riverside	Central Central	Perris Perris
	35 36	Riverside Riverside	Central Central	Perris Perris
18		Riverside Riverside	Central	Perris Perris
18	39	Riverside	Central	Perris
18		Riverside Riverside	Central Central	Perris Perris
	42 43	Riverside Riverside	Central Central	Perris Perris
18		Riverside Riverside	Central	Perris Perris
18	46	Riverside	Central	Perris
	48	Riverside Riverside	Central Central	Perris Perris
	49	Riverside Riverside	Central Central	Perris Perris
18		ICIT OISIGO		
18 18	51	Riverside	Central	Perris
18 18 18	51 52 53		Central	Perris Perris Perris Perris

TAZ 1857	County Riverside	Central	City Perris
1858	Riverside	Central	Perris
1859	Riverside	Central	Perris
1860	Riverside	Central	Perris
1861	Riverside	Central	Perris
1862	Riverside		Perris
1863	Riverside	Central	Perris
1864	Riverside	Central	Perris
1865	Riverside	Central	Perris
1866	Riverside	Central	Perris
1867	Riverside	Central	Perris
1868	Riverside	Central	Perris
1869	Riverside		Perris
1870	Riverside	Central	Perris
1871	Riverside		Perris
1872	Riverside	Central	Perris
1873	Riverside	Central	Perris
1874	Riverside	Central	Perris
1875	Riverside		Perris
1876	Riverside	Central	Perris
1877	Riverside	Central	Perris
1878	Riverside		Perris
1879	Riverside	Central	Perris
2126	Riverside	Central	Riverside
2127	Riverside	Central	Riverside
2128	Riverside	Central	Riverside
2320	Riverside	Central	Unincorporated Unincorporated
2327	Riverside	Central	
2328	Riverside	Central	Unincorporated
2330	Riverside Riverside	Central	Unincorporated Unincorporated
2331	Riverside	Central	Unincorporated Unincorporated
2332	Riverside	Central	
2333	Riverside	Central	Unincorporated Unincorporated
2334	Riverside	Central	
2335	Riverside	Central	Unincorporated
2336	Riverside		Unincorporated
2337	Riverside	Central Central	Unincorporated
2339	Riverside Riverside	Central	Unincorporated Unincorporated
2343	Riverside	Central	Unincorporated Unincorporated
2344	Riverside	Central	
2345	Riverside	Central	Unincorporated Unincorporated
2350	Riverside	Central	
2351	Riverside	Central	Unincorporated Unincorporated
2352	Riverside	Central	
2353 2354	Riverside	Central	Unincorporated
2359	Riverside Riverside	Central Central	Unincorporated Unincorporated
2668	Riverside	Central	Unincorporated Unincorporated
2669	Riverside	Central	
2673	Riverside	Central	Unincorporated Unincorporated
2675	Riverside	Central	
2676	Riverside	Central	Unincorporated Unincorporated
2677	Riverside	Central	
2678	Riverside	Central	Unincorporated
2682	Riverside	Central	
2683	Riverside	Central	Unincorporated Unincorporated
2684 2685	Riverside Riverside	Central	Unincorporated Unincorporated
2686	Riverside	Central	Unincorporated
2687	Riverside	Central	Unincorporated
2688	Riverside	Central	Unincorporated Unincorporated
2689	Riverside	Central	
2690 2691	Riverside Riverside	Central	Unincorporated
2692	Riverside	Central	Unincorporated Unincorporated
2693	Riverside	Central	Unincorporated Unincorporated
2694	Riverside	Central	
2709	Riverside	Central	Unincorporated Unincorporated
2710	Riverside	Central	
2711	Riverside	Central	Unincorporated Unincorporated
2712	Riverside	Central	
2713	Riverside	Central	Unincorporated Unincorporated
2714	Riverside	Central	
2715	Riverside	Central	Unincorporated Unincorporated
2716	Riverside	Central	
2717	Riverside	Central	Unincorporated
2719	Riverside	Central	Unincorporated Unincorporated
2721	Riverside	Central	
2722	Riverside	Central	Unincorporated Unincorporated
2723	Riverside	Central	
2724	Riverside	Central	Unincorporated
2725	Riverside	Central	Unincorporated
2727	Riverside	Central	Unincorporated Unincorporated
2728	Riverside	Central	
2729 2733	Riverside	Central	Unincorporated
2744	Riverside Riverside	Central	Unincorporated Unincorporated
2745	Riverside	Central	Unincorporated Unincorporated
2746	Riverside	Central	
2747	Riverside	Central	Unincorporated Unincorporated
2748	Riverside	Central	
2752	Riverside	Central	Unincorporated Unincorporated
2753	Riverside	Central	
2754 2755	Riverside	Central	Unincorporated
2756 2757	Riverside Riverside	Central	Unincorporated Unincorporated
2758	Riverside Riverside	Central	Unincorporated Unincorporated
2759	Riverside	Central	Unincorporated Unincorporated
2760	Riverside	Central	
2761 2762	Riverside Riverside	Central	Unincorporated Unincorporated
2780	Riverside	Central	Unincorporated Unincorporated
2781	Riverside	Central	
2782 2783	Riverside Riverside	Central	Unincorporated Unincorporated
2784 2785	Riverside Riverside	Central	Unincorporated
2786 2787	Riverside		Unincorporated Unincorporated
2788	Riverside Riverside	Central Central	Unincorporated Unincorporated
2789	Riverside	Central	Unincorporated Unincorporated
2793	Riverside	Central	
2794	Riverside	Central	Unincorporated Unincorporated
2795	Riverside	Central	
2796 2797	Riverside Riverside	Central	Unincorporated
2802 2804	Riverside	Central	Unincorporated Unincorporated Unincorporated
2807	Riverside Riverside	Central	Unincorporated Unincorporated
2809	Riverside	Central	Unincorporated Unincorporated
2825	Riverside	Central	
2853	Riverside	Central	Unincorporated Unincorporated
2857	Riverside	Central	
2862	Riverside	Central	Unincorporated Unincorporated
2863	Riverside	Central	
2864	Riverside	Central	Unincorporated Unincorporated
2869	Riverside	Central	
2870	Riverside Riverside	Central Central	Unincorporated
2875	Riverside	Central	Unincorporated Unincorporated
2877	Riverside	Central	Unincorporated
2878	Riverside	Central	Unincorporated
2879	Riverside	Central	Unincorporated
2880	Riverside		Unincorporated
2905	Riverside	Central	Unincorporated Unincorporated
2906	Riverside	Central	
2907 3177	Riverside	Central	Unincorporated
3183	Riverside Riverside	Central Central	Unincorporated Unincorporated
3225	Riverside	Central	Unincorporated Unincorporated
3227	Riverside	Central	
3228	Riverside	Central	Unincorporated Unincorporated
3229	Riverside	Central	
JZZ/	Riverside	Central	Unincorporated
3230 3231		Central	Unincorporated
3230 3231 3232	Riverside Riverside	Central Central	Unincorporated Unincorporated Unincorporated
3230 3231	Riverside	Central	Unincorporated Unincorporated Unincorporated Unincorporated Unincorporated Unincorporated

EXHIBIT I-1 (continued)
RivCoM TAZ Correspondence by WRCOG TUMF Zone - Hemet/San Jacinto

TAZ	County	WRCOG Zone	City
642 643	Riverside Riverside	Hemet/San Jacinto	Hemet
644	Riverside	Hemet/San Jacinto Hemet/San Jacinto	Hemet Hemet
645	Riverside	Hemet/San Jacinto	Hemet
646	Riverside	Hemet/San Jacinto	Hemet
647	Riverside	Hemet/San Jacinto	Hemet
648	Riverside	Hemet/San Jacinto	Hemet
649	Riverside	Hemet/San Jacinto	Hemet
650	Riverside	Hemet/San Jacinto	Hemet
651	Riverside	Hemet/San Jacinto	Hemet
652	Riverside	Hemet/San Jacinto	Hemet
653	Riverside	Hemet/San Jacinto	Hemet
654	Riverside	Hemet/San Jacinto	Hemet
655	Riverside	Hemet/San Jacinto	Hemet
656	Riverside	Hemet/San Jacinto	Hemet
657	Riverside	Hemet/San Jacinto	Hemet
658	Riverside	Hemet/San Jacinto	Hemet
659	Riverside	Hemet/San Jacinto	Hemet
660	Riverside	Hemet/San Jacinto	Hemet
661	Riverside	Hemet/San Jacinto	Hemet
662	Riverside	Hemet/San Jacinto	Hemet
663	Riverside	Hemet/San Jacinto	Hemet
664	Riverside	Hemet/San Jacinto	Hemet
665	Riverside	Hemet/San Jacinto	Hemet
666	Riverside	Hemet/San Jacinto	Hemet
667	Riverside	Hemet/San Jacinto	Hemet
668	Riverside	Hemet/San Jacinto	Hemet
669	Riverside	Hemet/San Jacinto	Hemet
670	Riverside	Hemet/San Jacinto	Hemet
671	Riverside	Hemet/San Jacinto	Hemet
672	Riverside	Hemet/San Jacinto	Hemet
673	Riverside	Hemet/San Jacinto	Hemet
674	Riverside	Hemet/San Jacinto	Hemet
675	Riverside	Hemet/San Jacinto	Hemet
676	Riverside	Hemet/San Jacinto	Hemet
677	Riverside	Hemet/San Jacinto	Hemet
678	Riverside	Hemet/San Jacinto	Hemet
679	Riverside	Hemet/San Jacinto	Hemet
680	Riverside	Hemet/San Jacinto	Hemet
681	Riverside	Hemet/San Jacinto	Hemet
682	Riverside	Hemet/San Jacinto	Hemet
683	Riverside	Hemet/San Jacinto	Hemet
684	Riverside	Hemet/San Jacinto	Hemet
685	Riverside	Hemet/San Jacinto	Hemet
686	Riverside	Hemet/San Jacinto	Hemet
687	Riverside	Hemet/San Jacinto	Hemet
688	Riverside	Hemet/San Jacinto	Hemet
689 690	Riverside	Hemet/San Jacinto	Hemet
	Riverside	Hemet/San Jacinto	Hemet
691 692	Riverside Riverside	Hemet/San Jacinto Hemet/San Jacinto	Hemet Hemet
693	Riverside	Hemet/San Jacinto	Hemet
694	Riverside	Hemet/San Jacinto	Hemet
695	Riverside	Hemet/San Jacinto	Hemet
696	Riverside	Hemet/San Jacinto	Hemet
697	Riverside	Hemet/San Jacinto	Hemet
698	Riverside	Hemet/San Jacinto	Hemet
699	Riverside	Hemet/San Jacinto	Hemet
700	Riverside	Hemet/San Jacinto	Hemet
701	Riverside	Hemet/San Jacinto	Hemet
702	Riverside	Hemet/San Jacinto	Hemet
703	Riverside	Hemet/San Jacinto	Hemet
704	Riverside	Hemet/San Jacinto	Hemet
705	Riverside	Hemet/San Jacinto	Hemet
706	Riverside	Hemet/San Jacinto	Hemet
707	Riverside	Hemet/San Jacinto	Hemet
708	Riverside	Hemet/San Jacinto	Hemet
709	Riverside	Hemet/San Jacinto	Hemet
710	Riverside	Hemet/San Jacinto	Hemet
711	Riverside	Hemet/San Jacinto	Hemet
712	Riverside	Hemet/San Jacinto	Hemet
713	Riverside	Hemet/San Jacinto	Hemet
714	Riverside	Hemet/San Jacinto	Hemet
715	Riverside	Hemet/San Jacinto	Hemet
716	Riverside	Hemet/San Jacinto	Hemet
717	Riverside	Hemet/San Jacinto	Hemet
718	Riverside	Hemet/San Jacinto	Hemet
719	Riverside	Hemet/San Jacinto	Hemet
720	Riverside	Hemet/San Jacinto	Hemet
721	Riverside	Hemet/San Jacinto	Hemet
		Hemet/San Jacinto	Hemet
722	Riverside	Hemet/San Issints	
722 723	Riverside	Hemet/San Jacinto	Hemet
722 723 724	Riverside Riverside	Hemet/San Jacinto Hemet/San Jacinto	Hemet
722 723 724 725	Riverside Riverside Riverside	Hemet/San Jacinto Hemet/San Jacinto Hemet/San Jacinto	Hemet Hemet
722 723 724 725 726	Riverside Riverside Riverside Riverside	Hemet/San Jacinto Hemet/San Jacinto Hemet/San Jacinto Hemet/San Jacinto	Hemet Hemet Hemet
722 723 724 725 726 727	Riverside Riverside Riverside Riverside Riverside	Hemet/San Jacinto Hemet/San Jacinto Hemet/San Jacinto Hemet/San Jacinto Hemet/San Jacinto	Hemet Hemet Hemet Hemet
722 723 724 725 726 727 728	Riverside Riverside Riverside Riverside Riverside Riverside	Hemet/San Jacinto Hemet/San Jacinto Hemet/San Jacinto Hemet/San Jacinto Hemet/San Jacinto Hemet/San Jacinto	Hemet Hemet Hemet Hemet Hemet
722 723 724 725 726 727 728 729	Riverside Riverside Riverside Riverside Riverside Riverside Riverside	Hemet/San Jacinto Hemet/San Jacinto Hemet/San Jacinto Hemet/San Jacinto Hemet/San Jacinto Hemet/San Jacinto Hemet/San Jacinto	Hemet Hemet Hemet Hemet Hemet Hemet
722 723 724 725 726 727 728 729 730	Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside	Hemet/San Jacinto Hemet/San Jacinto Hemet/San Jacinto Hemet/San Jacinto Hemet/San Jacinto Hemet/San Jacinto Hemet/San Jacinto Hemet/San Jacinto Hemet/San Jacinto	Hemet Hemet Hemet Hemet Hemet Hemet Hemet
722 723 724 725 726 727 728 729 730 731	Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside	Hemet/San Jacinto Hemet/San Jacinto Hemet/San Jacinto Hemet/San Jacinto Hemet/San Jacinto Hemet/San Jacinto Hemet/San Jacinto Hemet/San Jacinto Hemet/San Jacinto	Hemet
722 723 724 725 726 727 728 729 730 731 732	Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside	Hemet/San Jacinto	Hemet
722 723 724 725 726 727 728 729 730 731 732 733	Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside	Hemet/San Jacinto	Hemet
722 723 724 725 726 727 728 729 730 731 732 733	Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside	Hemet/San Jacinto	Hemet
722 723 724 725 726 727 728 729 730 731 732 733	Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside	Hemet/San Jacinto	Hemet
722 723 724 725 726 727 728 729 730 731 732 733 734	Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside	Hemet/San Jacinto	Hemet

			la.
TAZ	County	WRCOG Zone	City
2135	Riverside	Hemet/San Jacinto	San Jacinto
2136	Riverside Riverside	Hemet/San Jacinto Hemet/San Jacinto	San Jacinto San Jacinto
2138	Riverside	Hemet/San Jacinto	San Jacinto
2139	Riverside	Hemet/San Jacinto	San Jacinto
2140	Riverside	Hemet/San Jacinto	San Jacinto
2141	Riverside	Hemet/San Jacinto	San Jacinto
2142	Riverside	Hemet/San Jacinto	San Jacinto
2143	Riverside	Hemet/San Jacinto	San Jacinto
2144	Riverside	Hemet/San Jacinto	San Jacinto
2145	Riverside	Hemet/San Jacinto	San Jacinto
2146	Riverside	Hemet/San Jacinto	San Jacinto
2147	Riverside	Hemet/San Jacinto	San Jacinto
2148	Riverside	Hemet/San Jacinto	San Jacinto
2149	Riverside	Hemet/San Jacinto	San Jacinto
2150	Riverside	Hemet/San Jacinto	San Jacinto
2151	Riverside	Hemet/San Jacinto	San Jacinto
2152	Riverside	Hemet/San Jacinto	San Jacinto
2153	Riverside	Hemet/San Jacinto	San Jacinto
2154	Riverside	Hemet/San Jacinto	San Jacinto
2155	Riverside	Hemet/San Jacinto	San Jacinto
2156	Riverside	Hemet/San Jacinto	San Jacinto
2157 2158	Riverside	Hemet/San Jacinto	San Jacinto
2158	Riverside	Hemet/San Jacinto	San Jacinto
	Riverside	Hemet/San Jacinto	San Jacinto
2160	Riverside Riverside	Hemet/San Jacinto	San Jacinto
2162	Riverside	Hemet/San Jacinto Hemet/San Jacinto	San Jacinto San Jacinto
2162	Riverside	Hemet/San Jacinto	San Jacinto
2164	Riverside	Hemet/San Jacinto	San Jacinto
2165	Riverside	Hemet/San Jacinto	San Jacinto
2166	Riverside	Hemet/San Jacinto	San Jacinto
2167	Riverside	Hemet/San Jacinto	San Jacinto
2168	Riverside	Hemet/San Jacinto	San Jacinto
2169	Riverside	Hemet/San Jacinto	San Jacinto
2170	Riverside	Hemet/San Jacinto	San Jacinto
2171	Riverside	Hemet/San Jacinto	San Jacinto
2172	Riverside	Hemet/San Jacinto	San Jacinto
2173	Riverside	Hemet/San Jacinto	San Jacinto
2174	Riverside	Hemet/San Jacinto	San Jacinto
2175 2176	Riverside	Hemet/San Jacinto	San Jacinto
2177	Riverside Riverside	Hemet/San Jacinto Hemet/San Jacinto	San Jacinto San Jacinto
2178	Riverside	Hemet/San Jacinto	San Jacinto
2179	Riverside	Hemet/San Jacinto	San Jacinto
2180	Riverside	Hemet/San Jacinto	San Jacinto
2181	Riverside	Hemet/San Jacinto	San Jacinto
2182	Riverside	Hemet/San Jacinto	San Jacinto
2183	Riverside	Hemet/San Jacinto	San Jacinto
2184	Riverside	Hemet/San Jacinto	San Jacinto
2185 2186	Riverside	Hemet/San Jacinto	San Jacinto
2187	Riverside Riverside	Hemet/San Jacinto Hemet/San Jacinto	San Jacinto San Jacinto
2188	Riverside	Hemet/San Jacinto	San Jacinto
2189	Riverside	Hemet/San Jacinto	San Jacinto
2190	Riverside	Hemet/San Jacinto	San Jacinto
2191	Riverside	Hemet/San Jacinto	San Jacinto
2192	Riverside	Hemet/San Jacinto	San Jacinto
2193	Riverside	Hemet/San Jacinto	San Jacinto
2194	Riverside	Hemet/San Jacinto	San Jacinto
2195 2196	Riverside Riverside	Hemet/San Jacinto	San Jacinto
2196	Riverside	Hemet/San Jacinto Hemet/San Jacinto	San Jacinto San Jacinto
2198	Riverside	Hemet/San Jacinto	San Jacinto
2199	Riverside	Hemet/San Jacinto	San Jacinto
2200	Riverside	Hemet/San Jacinto	San Jacinto
2201	Riverside	Hemet/San Jacinto	San Jacinto
2202	Riverside	Hemet/San Jacinto	San Jacinto
2203	Riverside	Hemet/San Jacinto	San Jacinto
2204	Riverside	Hemet/San Jacinto	San Jacinto
2205	Riverside	Hemet/San Jacinto	San Jacinto
2206	Riverside	Hemet/San Jacinto	San Jacinto
2207	Riverside	Hemet/San Jacinto	San Jacinto
2324	Riverside	Hemet/San Jacinto	Unincorporated
2325	Riverside	Hemet/San Jacinto	Unincorporated
2326	Riverside Riverside	Hemet/San Jacinto	Unincorporated
2340	Riverside	Hemet/San Jacinto Hemet/San Jacinto	Unincorporated
2342	Riverside	Hemet/San Jacinto	Unincorporated Unincorporated
2346	Riverside	Hemet/San Jacinto	Unincorporated
2347	Riverside	Hemet/San Jacinto	Unincorporated
2348	Riverside	Hemet/San Jacinto	Unincorporated
2349	Riverside	Hemet/San Jacinto	Unincorporated
2358	Riverside	Hemet/San Jacinto	Unincorporated
2360	Riverside	Hemet/San Jacinto	Unincorporated
2361	Riverside	Hemet/San Jacinto	Unincorporated
2362	Riverside Riverside	Hemet/San Jacinto	Unincorporated
2471	Riverside	Hemet/San Jacinto Hemet/San Jacinto	Unincorporated Unincorporated
2491	Riverside	Hemet/San Jacinto	Unincorporated
2493	Riverside	Hemet/San Jacinto	Unincorporated
2494	Riverside	Hemet/San Jacinto	Unincorporated
2625	Riverside	Hemet/San Jacinto	Unincorporated
2626	Riverside	Hemet/San Jacinto	Unincorporated
2628 2630	Riverside Riverside	Hemet/San Jacinto Hemet/San Jacinto	Unincorporated
2631	Riverside Riverside	Hemet/San Jacinto	Unincorporated Unincorporated
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7AZ 2625	County	WRCOG Zone	Unincorporated
2625	Riverside Riverside	Hemet/San Jacinto Hemet/San Jacinto	Unincorporated Unincorporated
2628	Riverside	Hemet/San Jacinto	Unincorporated
2630	Riverside	Hemet/San Jacinto	Unincorporated
2631	Riverside	Hemet/San Jacinto	Unincorporated
2632	Riverside	Hemet/San Jacinto	Unincorporated
2633	Riverside	Hemet/San Jacinto	Unincorporated
2634 2635	Riverside	Hemet/San Jacinto Hemet/San Jacinto	Unincorporated
2641	Riverside Riverside	Hemet/San Jacinto	Unincorporated Unincorporated
2642	Riverside	Hemet/San Jacinto	Unincorporated
2643	Riverside	Hemet/San Jacinto	Unincorporated
2644	Riverside	Hemet/San Jacinto	Unincorporated
2645	Riverside	Hemet/San Jacinto	Unincorporated
2646	Riverside	Hemet/San Jacinto	Unincorporated
2647 2648	Riverside Riverside	Hemet/San Jacinto Hemet/San Jacinto	Unincorporated Unincorporated
2649	Riverside	Hemet/San Jacinto	Unincorporated
2651	Riverside	Hemet/San Jacinto	Unincorporated
2652	Riverside	Hemet/San Jacinto	Unincorporated
2653	Riverside	Hemet/San Jacinto	Unincorporated
2654 2655	Riverside Riverside	Hemet/San Jacinto Hemet/San Jacinto	Unincorporated Unincorporated
2660	Riverside	Hemet/San Jacinto	Unincorporated
2670	Riverside	Hemet/San Jacinto	Unincorporated
2679	Riverside	Hemet/San Jacinto	Unincorporated
2810	Riverside	Hemet/San Jacinto	Unincorporated
2811	Riverside	Hemet/San Jacinto	Unincorporated
2812	Riverside	Hemet/San Jacinto	Unincorporated
2815 2816	Riverside Riverside	Hemet/San Jacinto Hemet/San Jacinto	Unincorporated
2816	Riverside	Hemet/San Jacinto	Unincorporated Unincorporated
2818	Riverside	Hemet/San Jacinto	Unincorporated
2819	Riverside	Hemet/San Jacinto	Unincorporated
2820	Riverside	Hemet/San Jacinto	Unincorporated
2821	Riverside	Hemet/San Jacinto	Unincorporated
2822	Riverside	Hemet/San Jacinto	Unincorporated
2823 2824	Riverside Riverside	Hemet/San Jacinto Hemet/San Jacinto	Unincorporated Unincorporated
2826	Riverside	Hemet/San Jacinto	Unincorporated
2827	Riverside	Hemet/San Jacinto	Unincorporated
2828	Riverside	Hemet/San Jacinto	Unincorporated
2829	Riverside	Hemet/San Jacinto	Unincorporated
2830	Riverside	Hemet/San Jacinto	Unincorporated
2831 2832	Riverside Riverside	Hemet/San Jacinto Hemet/San Jacinto	Unincorporated Unincorporated
2833	Riverside	Hemet/San Jacinto	Unincorporated
2834	Riverside	Hemet/San Jacinto	Unincorporated
2835	Riverside	Hemet/San Jacinto	Unincorporated
2836	Riverside	Hemet/San Jacinto	Unincorporated
2839 2840	Riverside	Hemet/San Jacinto Hemet/San Jacinto	Unincorporated
2840	Riverside Riverside	Hemet/San Jacinto	Unincorporated Unincorporated
2842	Riverside	Hemet/San Jacinto	Unincorporated
2843	Riverside	Hemet/San Jacinto	Unincorporated
2844	Riverside	Hemet/San Jacinto	Unincorporated
2845	Riverside	Hemet/San Jacinto	Unincorporated
2848 2850	Riverside	Hemet/San Jacinto	Unincorporated
2850	Riverside Riverside	Hemet/San Jacinto Hemet/San Jacinto	Unincorporated Unincorporated
2856	Riverside	Hemet/San Jacinto	Unincorporated
2865	Riverside	Hemet/San Jacinto	Unincorporated
2866	Riverside	Hemet/San Jacinto	Unincorporated
2867	Riverside	Hemet/San Jacinto	Unincorporated
2868	Riverside	Hemet/San Jacinto	Unincorporated
2871 2873	Riverside Riverside	Hemet/San Jacinto Hemet/San Jacinto	Unincorporated Unincorporated
2874	Riverside	Hemet/San Jacinto	Unincorporated
2876	Riverside	Hemet/San Jacinto	Unincorporated
2881	Riverside	Hemet/San Jacinto	Unincorporated
2882	Riverside	Hemet/San Jacinto	Unincorporated
2883	Riverside	Hemet/San Jacinto	Unincorporated
2884 2885	Riverside Riverside	Hemet/San Jacinto	Unincorporated Unincorporated
2886	Riverside	Hemet/San Jacinto Hemet/San Jacinto	Unincorporated
2887	Riverside	Hemet/San Jacinto	Unincorporated
2888	Riverside	Hemet/San Jacinto	Unincorporated
2889	Riverside	Hemet/San Jacinto	Unincorporated
2890	Riverside	Hemet/San Jacinto	Unincorporated
2891 2892	Riverside Riverside	Hemet/San Jacinto Hemet/San Jacinto	Unincorporated Unincorporated
2892	Riverside	Hemet/San Jacinto	Unincorporated
2894	Riverside	Hemet/San Jacinto	Unincorporated
2895	Riverside	Hemet/San Jacinto	Unincorporated
2919	Riverside	Hemet/San Jacinto	Unincorporated
2920	Riverside	Hemet/San Jacinto	Unincorporated
2921 2922	Riverside	Hemet/San Jacinto	Unincorporated
2922	Riverside Riverside	Hemet/San Jacinto Hemet/San Jacinto	Unincorporated Unincorporated
2935	Riverside	Hemet/San Jacinto	Unincorporated
2936	Riverside	Hemet/San Jacinto	Unincorporated
2937	Riverside	Hemet/San Jacinto	Unincorporated
2938	Riverside	Hemet/San Jacinto	Unincorporated
3194	Riverside	Hemet/San Jacinto	Unincorporated
3195	Riverside	Hemet/San Jacinto	Unincorporated
3196 3197	Riverside Riverside	Hemet/San Jacinto	Unincorporated
3198	Riverside	Hemet/San Jacinto Hemet/San Jacinto	Unincorporated Unincorporated
		Hemet/San Jacinto	Unincorporated
3242	Riverside		
	Riverside	Hemet/San Jacinto Hemet/San Jacinto	Unincorporated

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332	County	WRCOG Zone	
333	Riverside Riverside	Northwest Northwest	Corona Corona
334 335	Riverside Riverside	Northwest Northwest	Corona Corona
336 337	Riverside Riverside	Northwest Northwest	Corona Corona
338 339	Riverside Riverside	Northwest Northwest	Corona
340	Riverside	Northwest	Corona
341 342	Riverside Riverside	Northwest Northwest	Corona Corona
343 344	Riverside Riverside	Northwest Northwest	Corona Corona
345 346	Riverside Riverside	Northwest Northwest	(Corona
347	Riverside	Northwest	Corona Corona
348 349	Riverside Riverside	Northwest Northwest	Corona Corona
350 351	Riverside Riverside	Northwest Northwest	Corona Corona
352 353	Riverside Riverside	Northwest Northwest	Corona Corona
354	Riverside	Northwest	Corona
355 356	Riverside Riverside	Northwest Northwest	Corona Corona
357 358	Riverside Riverside	Northwest Northwest	Corona Corona
359	Riverside	Northwest	Corona
360 361	Riverside Riverside	Northwest Northwest	Corona
362 363	Riverside Riverside	Northwest Northwest	Corona Corona
364 365	Riverside Riverside	Northwest Northwest	Corona
366	Riverside	Northwest	Corona
367 368	Riverside Riverside	Northwest Northwest	Corona Corona
369 370	Riverside Riverside	Northwest Northwest	Corona Corona
371 372	Riverside Riverside	Northwest Northwest	Corona Corona
373	Riverside	Northwest	Corona
374 375	Riverside Riverside	Northwest Northwest	Corona
376 377	Riverside Riverside	Northwest Northwest	Corona Corona
378 379	Riverside Riverside	Northwest Northwest	Corona
380	Riverside	Northwest	Corona
381 382	Riverside Riverside	Northwest Northwest	Corona Corona
383 384	Riverside Riverside	Northwest Northwest	Corona Corona
385 386	Riverside Riverside	Northwest Northwest	Corona Corona
387	Riverside	Northwest	Corona
388 389	Riverside Riverside	Northwest Northwest	Corona Corona
390 391	Riverside Riverside	Northwest Northwest	Corona Corona
392 393	Riverside	Northwest	Corona
394	Riverside Riverside	Northwest Northwest	Corona
395 396	Riverside Riverside	Northwest Northwest	Corona Corona
397 398	Riverside Riverside	Northwest Northwest	Corona
399 400	Riverside	Northwest	Corona
401	Riverside Riverside	Northwest Northwest	Corona
402 403	Riverside Riverside	Northwest Northwest	Corona Corona
404 405	Riverside Riverside	Northwest Northwest	Corona Corona
406 407	Riverside	Northwest	Corona
408	Riverside Riverside	Northwest Northwest	Corona
409 410	Riverside Riverside	Northwest Northwest	Corona
411	Riverside Riverside	Northwest Northwest	Corona Corona
413	Riverside	Northwest	Corona
414	Riverside Riverside	Northwest Northwest	Corona
416 417	Riverside Riverside	Northwest Northwest	Corona Corona
417 418 419	Riverside	Northwest	Corona
420	Riverside Riverside	Northwest Northwest	Corona
421 422	Riverside Riverside	Northwest Northwest	Corona Corona
423 424	Riverside Riverside	Northwest Northwest	Corona Corona
425	Riverside	Northwest	Corona
426 427	Riverside Riverside	Northwest Northwest	Corona
428 429	Riverside Riverside	Northwest Northwest	Corona Corona
430 431	Riverside Riverside	Northwest Northwest	Corona Corona
432	Riverside Riverside	Northwest Northwest	
434	Riverside	Northwest	Corona
435 436	Riverside Riverside	Northwest Northwest	Corona Corona
437 438	Riverside Riverside	Northwest Northwest	Corona Corona
439	Riverside	Northwest	Corona
440 441	Riverside Riverside	Northwest Northwest	Corona Corona
442 443	Riverside Riverside	Northwest Northwest	Corona Corona
444 445	Riverside	Northwest Northwest	Corona
446	Riverside Riverside	Northwest	Corona
447 448	Riverside		Corona
	Riverside	Northwest Northwest	Corona
449 450	Riverside Riverside	Northwest Northwest Northwest	Corona Corona
450 451	Riverside Riverside Riverside Riverside	Northwest Northwest Northwest Northwest Northwest	Corona Corona Corona
450 451 452 453	Riverside Riverside Riverside Riverside Riverside Riverside	Northwest Northwest Northwest Northwest Northwest Northwest Northwest	Corona Corona Corona
450 451 452	Riverside Riverside Riverside Riverside Riverside	Northwest Northwest Northwest Northwest Northwest Northwest Northwest Northwest Northwest	Corona
450 451 452 453 454 455 456	Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside	Northwest Northwest Northwest Northwest Northwest Northwest Northwest Northwest Northwest Northwest Northwest Northwest	Corona
450 451 452 453 454 455 456 457 458	Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside	Northwest Northwest Northwest Northwest Northwest Northwest Northwest Northwest Northwest Northwest Northwest Northwest Northwest Northwest	Corona
450 451 452 453 454 455 456 457 458 459 460	Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside	Northwest Northwest	Corona
450 451 452 453 454 455 456 457 458 459 460 461	Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside	Northwest Northwest	Corona
450 451 452 453 454 455 456 457 458 459 460 461 462 463	Riverside Riverside	Northwest Northwest	Corona
450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465	Riverside Riverside	Northwest	Corona
450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467	Riverside Riverside	Northwest	Corona
450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 465	Riverside	Northwest	Corona
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450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471	Riverside Riverside	Northwest	Corona
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450 451 452 453 454 455 454 455 456 460 461 461 462 463 464 465 464 467 468 467 470 471 472 473 474 477 478 489 480	Riverside Riverside	Northwest	Corona
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450 451 452 453 454 455 455 455 456 457 459 460 461 462 463 464 464 467 477 478 477 478 480 481 482 483 484 484 485 486 487 487 488 489 489 480 480 480 480 480 480 480 480	Riverside	Northwest Northw	Corona
450 451 452 453 454 455 455 455 456 457 460 461 462 463 464 464 467 477 477 478 480 481 482 483 484 484 487 488 489 499 490 490 491 492 493 494 495 497 498 497 498 497 498 497 498 497 498 497 498 497 498	Riverside	Northwest Northw	Corona
450 451 452 453 454 455 455 457 458 459 460 461 462 463 464 464 465 466 467 467 477 477 477 477 477	Riverside	Northwest Northw	Corona
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450 451 452 453 454 455 455 457 457 458 459 461 462 463 464 464 464 465 467 477 477 477 477 477 477 477	Riverside	Northwest Northw	Corona
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450 451 452 453 454 455 455 457 457 458 459 460 461 462 463 464 464 464 465 466 467 477 477 477 477 477 477	Riverside	Northwest Northw	Corona
450 451 452 453 454 455 455 457 460 461 462 463 464 464 467 468 469 467 477 478 477 478 477 478 479 480 481 482 483 484 485 487 487 487 488 489 489 480 480 481 482 483 484 485 486 487 487 488 489 480 480 480 480 480 480 480 480	Riverside	Northwest Northw	Corona
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450 451 452 453 454 455 455 457 458 459 459 461 462 463 464 464 465 466 467 470 477 477 477 477 477 477 47	Riverside	Northwest Northw	Corona

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526. Riverside Northwest Corona 527. Riverside Northwest Corona 528. Riverside Northwest Corona 530. Riverside Northwest Corona 531. Riverside Northwest Corona 532. Riverside Northwest Corona 533. Riverside Northwest Corona 534. Riverside Northwest Corona 535. Riverside Northwest Corona 537. Riverside Northwest Corona 538. Riverside Northwest Corona 540. Riverside Northwest Corona 541. Riverside Northwest Corona 542. Riverside Northwest Corona 543. Riverside Northwest Corona 544. Riverside Northwest Corona 545. Riverside Northwest Corona		Riverside	Northwest	Corona
	525	Riverside	Northwest	Corona
590 Riverside Northwest Corona 531 Riverside Northwest Corona 532 Riverside Northwest Corona 532 Riverside Northwest Corona 535 Riverside Northwest Corona 535 Riverside Northwest Corona 538 Riverside Northwest Corona 538 Riverside Northwest Corona 531 Riverside Northwest Corona 541 Riverside Northwest Corona 542 Riverside Northwest Corona 543 Riverside Northwest Corona 544 Riverside Northwest Corona 545 Riverside Northwest Corona 540 Riverside Northwest Corona 551 Riverside Northwest Corona 552 Riverside Northwest Corona 552	527	Riverside	Northwest	Corona
531 Rivereide Northwest Corona 532 Rivereide Northwest Corona 533 Rivereide Northwest Corona 534 Rivereide Northwest Corona 537 Rivereide Northwest Corona 538 Rivereide Northwest Corona 540 Rivereide Northwest Corona 541 Rivereide Northwest Corona 542 Rivereide Northwest Corona 543 Rivereide Northwest Corona 544 Rivereide Northwest Corona 545 Rivereide Northwest Corona 546 Rivereide Northwest Corona 551 Rivereide Northwest Corona 552 Rivereide Northwest Corona 553 Rivereide Northwest Corona 553 Rivereide Northwest Corona 555	529	Riverside	Northwest	Corona
5331 Rivenide Northwest Corona 5343 Rivenide Northwest Corona 535 Rivenide Northwest Corona 536 Rivenide Northwest Corona 537 Rivenide Northwest Corona 541 Rivenide Northwest Corona 542 Rivenide Northwest Corona 543 Rivenide Northwest Corona 544 Rivenide Northwest Corona 545 Rivenide Northwest Corona 547 Rivenide Northwest Corona 548 Rivenide Northwest Corona 550 Rivenide Northwest Corona 551 Rivenide Northwest Corona 552 Rivenide Northwest Corona 553 Rivenide Northwest Corona 553 Rivenide Northwest Corona 554 Rivenide <th>531</th> <th>Riverside</th> <th>Northwest</th> <th>Corona</th>	531	Riverside	Northwest	Corona
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1542 Riverside Northwest Norco 1543 Riverside Northwest Norco 1544 Riverside Northwest Norco 1545 Riverside Northwest Norco 1547 Riverside Northwest Norco 1548 Riverside Northwest Norco 1549 Riverside Northwest Norco 1550 Riverside Northwest Norco 1551 Riverside Northwest Norco 1553 Riverside Northwest Norco 1554 Riverside Northwest Norco 1555 Riverside Northwest Norco 1555 Riverside Northwest Norco 1557 Riverside Northwest Norco 1550 Riverside Northwest Norco 1550 Riverside Northwest Norco 1551 Riverside Northwest Norco 1561	844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 857 858 860 861 862 863 864 864 865 867 870 871 872 873 874 875 876 876 877 878 879 879 879 879 879 879 879 879	Riverside	Northwest Northw	Jurupa Valley
1544 Riverside Northwest Norco 1546 Riverside Northwest Norco 1547 Riverside Northwest Norco 1547 Riverside Northwest Norco 1548 Riverside Northwest Norco 1548 Riverside Northwest Norco 1548 Riverside Northwest Norco 1551 Riverside Northwest Norco 1551 Riverside Northwest Norco 1552 Riverside Northwest Norco 1553 Riverside Northwest Norco 1553 Riverside Northwest Norco 1555 Riverside Northwest Norco 1555 Riverside Northwest Norco 1556 Riverside Northwest Norco 1558 Riverside Northwest Norco 1558 Riverside Northwest Norco 1559 Riverside Northwest Norco 1559 Riverside Northwest Norco 1550 Riverside Northwest Norco 1551 Riverside Northwest Norco 1551 Riverside Northwest Norco 1553 Riverside Northwest Norco 1551 Riverside Northwest Norco 1561 Riverside Northwest Norco 1561 Riverside Northwest Norco 1563 Riverside Northwest Norco 1564 Riverside Northwest Norco 1565 Riverside Northwest Norco 1566 Riverside Northwest Norco 1566 Riverside Northwest Norco 1566 Riverside Northwest Norco 1567 Riverside Northwest Norco	844 845 846 847 848 849 850 851 852 853 854 855 856 860 861 862 863 864 865 864 865 867 873 874 875 876 877 878 879 879 879 879 879 879 879 879	Riverside	Northwest Northw	Jurupa Valley
1546 Riverside Northwest Norco 1547 Riverside Northwest Norco 1548 Riverside Northwest Norco 1549 Riverside Northwest Norco 1550 Riverside Northwest Norco 1551 Riverside Northwest Norco 1553 Riverside Northwest Norco 1555 Riverside Northwest Norco 1556 Riverside Northwest Norco 1557 Riverside Northwest Norco 1558 Riverside Northwest Norco 1559 Riverside Northwest Norco 1550 Riverside Northwest Norco 1550 Riverside Northwest Norco 1540 Riverside Northwest Norco 1541 Riverside Northwest Norco 1543 Riverside Northwest Norco 1543	844 845 846 847 848 850 851 852 853 854 855 856 857 858 859 860 861 861 862 863 864 864 865 87 87 87 87 87 87 87 87 87 87 87 87 87	Riverside	Northwest Northw	Jurupa Valley
1548 Riverside Northwest Norco 1549 Riverside Northwest Norco 1550 Riverside Northwest Norco 1551 Riverside Northwest Norco 1553 Riverside Northwest Norco 1553 Riverside Northwest Norco 1553 Riverside Northwest Norco 1556 Riverside Northwest Norco 1557 Riverside Northwest Norco 1558 Riverside Northwest Norco 1560 Riverside Northwest Norco 1561 Riverside Northwest Norco 1561 Riverside Northwest Norco 1543 Riverside Northwest Norco 1565 Riverside Northwest Norco 1563 Riverside Northwest Norco 1564 Riverside Northwest Norco 1565	844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 867 87 87 87 87 87 87 87 87 87 87 87 87 87	Riverside	Northwest Northw	Jurupa Valley
1550 Riverside Northwest Norco 1551 Riverside Northwest Norco 1552 Riverside Northwest Norco 1553 Riverside Northwest Norco 1555 Riverside Northwest Norco 1556 Riverside Northwest Norco 1557 Riverside Northwest Norco 1558 Riverside Northwest Norco 1550 Riverside Northwest Norco 1561 Riverside Northwest Norco 1562 Riverside Northwest Norco 1563 Riverside Northwest Norco 1564 Riverside Northwest Norco 1565 Riverside Northwest Norco 1566 Riverside Northwest Norco 1566 Riverside Northwest Norco 1566 Riverside Northwest Norco 1566	844 844 845 846 847 850 851 852 853 854 855 856 857 858 858 859 860 861 862 863 864 865 867 87 87 87 87 87 87 87 87 87 87 87 87 87	Riverside	Northwest Northw	Jurupa Valley
1552 Riverside Northwest Norco 1553 Riverside Northwest Norco 1554 Riverside Northwest Norco 1555 Riverside Northwest Norco 1557 Riverside Northwest Norco 1558 Riverside Northwest Norco 1550 Riverside Northwest Norco 1540 Riverside Northwest Norco 1541 Riverside Northwest Norco 1543 Riverside Northwest Norco 1545 Riverside Northwest Norco 1545 Riverside Northwest Norco 1546 Riverside Northwest Norco 1546 Riverside Northwest Norco 1547 Riverside Northwest Norco	844 845 846 847 848 849 850 851 852 853 854 855 856 860 861 862 863 864 865 865 867 868 867 873 874 875 876 877 878 879 879 879 879 879 879 879 879	Riverside Rivers	Northwest Northw	Jurupa Valley
1553 Riverside Northwest Norco 1554 Riverside Northwest Norco 1555 Riverside Northwest Norco 1556 Riverside Northwest Norco 1557 Riverside Northwest Norco 1558 Riverside Northwest Norco 1560 Riverside Northwest Norco 1561 Riverside Northwest Norco 1562 Riverside Northwest Norco 1543 Riverside Northwest Norco 1565 Riverside Northwest Norco 1565 Riverside Northwest Norco 1566 Riverside Northwest Norco 1567 Riverside Northwest Norco	844 845 846 847 848 849 850 851 852 853 854 855 856 866 861 862 863 864 863 864 863 864 865 867 870 871 872 873 874 875 876 877 878 879 879 879 879 879 879 879 879	Riverside	Northwest Northw	Jurupa Valley
1555 Riverside Northwest Norco 1556 Riverside Northwest Norco 1557 Riverside Northwest Norco 1558 Riverside Northwest Norco 1559 Riverside Northwest Norco 1560 Riverside Northwest Norco 1561 Riverside Northwest Norco 1563 Riverside Northwest Norco 1563 Riverside Northwest Norco 1565 Riverside Northwest Norco 1565 Riverside Northwest Norco 1566 Riverside Northwest Norco 1567 Riverside Northwest Norco	844 845 846 847 848 849 850 851 852 853 854 855 856 860 861 862 863 864 864 865 867 873 874 875 876 876 877 878 879 879 879 879 879 879 879 879	Riverside Rivers	Northwest Northw	Jurupa Valley
1557 Riverside Northwest Norco 1558 Riverside Northwest Norco 1559 Riverside Northwest Norco 1560 Riverside Northwest Norco 1561 Riverside Northwest Norco 1562 Riverside Northwest Norco 1564 Riverside Northwest Norco 1565 Riverside Northwest Norco 1566 Riverside Northwest Norco 1567 Riverside Northwest Norco	844 845 846 847 848 849 850 851 852 853 854 855 856 857 860 861 862 863 864 865 867 871 872 873 874 875 876 877 878 879 879 879 879 879 879 879 879	Riverside	Northwest Northw	Jurupa Valley
1559 Riverside Northwest Norco 1540 Riverside Northwest Norco 1541 Riverside Northwest Norco 1562 Riverside Northwest Norco 1564 Riverside Northwest Norco 1565 Riverside Northwest Norco 1566 Riverside Northwest Norco 1567 Riverside Northwest Norco	844 845 846 847 848 849 850 851 852 853 854 855 856 860 861 862 863 864 865 867 871 872 873 874 875 876 877 878 878 879 879 879 879 879 879 879	Riverside	Northwest Northw	Jurupa Valley
15.6.1 Riverside Northwest Norco 15.6.2 Riverside Northwest Norco 15.6.3 Riverside Northwest Norco 15.6.4 Riverside Northwest Norco 15.6.5 Riverside Northwest Norco 15.6.7 Riverside Northwest Norco	844 845 846 847 848 849 850 851 852 853 854 855 856 861 862 863 864 865 867 861 862 863 864 865 867 870 871 872 873 874 875 876 877 878 878 879 870 871 872 873 874 875 876 877 878 878 879 879 879 879 879 879 879	Riverside	Northwest Northw	Jurupa Valley
1563 Riverside Northwest Norco 1544 Riverside Northwest Norco 1565 Riverside Northwest Norco 1566 Riverside Northwest Norco 1567 Riverside Northwest Norco	844 845 846 847 848 849 850 851 852 853 854 855 856 860 861 862 863 864 864 865 867 873 874 875 876 876 877 878 879 879 879 879 879 879 879 879	Riverside	Northwest Northw	Jurupa Valley
1565 Riverside Northwest Norco 1566 Riverside Northwest Norco 1567 Riverside Northwest Norco	844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 861 862 863 864 864 865 87 87 87 87 87 87 87 87 87 87 87 87 87	Riverside Rivers	Northwest Northw	Jurupa Valley
1567 Riverside Northwest Norco	844 845 846 847 848 849 850 851 852 853 854 855 855 856 860 861 862 863 864 865 867 871 872 873 874 875 876 877 878 879 870 871 872 873 874 875 876 877 878 879 879 879 879 879 879 879 879	Riverside Rivers	Northwest Northw	Jurupa Valley
1568 Riverside Northwest Norco	844 845 846 847 848 849 850 851 852 853 854 855 858 857 860 861 862 863 864 865 866 867 871 872 873 874 875 876 877 878 878 889 880 881 881 882 883 884 885 885 886 887 887 887 888 889 890 891 892 893 894 895 896 897 897 898 899 890 900 901 902 902 903 904 905 906 907 907 907 908 909 909 900 900 900 900 900	Riverside Rivers	Northwest Northw	Jurupa Valley

TAZ	County	WRCOG Zone	City
1910 1911	Riverside Riverside	Northwest Northwest	Riverside Riverside
1912 1913	Riverside Riverside	Northwest Northwest	Riverside Riverside
1914	Riverside	Northwest	Riverside
1915 1916	Riverside Riverside	Northwest Northwest	Riverside Riverside
1917 1918	Riverside Riverside	Northwest Northwest	Riverside Riverside
1919 1920	Riverside Riverside	Northwest Northwest	Riverside Riverside
1921 1922	Riverside Riverside	Northwest Northwest	Riverside Riverside
1923 1924	Riverside Riverside	Northwest Northwest	Riverside Riverside
1925 1926	Riverside Riverside	Northwest Northwest	Riverside Riverside
1927 1928	Riverside Riverside	Northwest Northwest	Riverside Riverside
1929 1930	Riverside Riverside	Northwest Northwest	Riverside Riverside
1931 1932	Riverside Riverside	Northwest Northwest	Riverside Riverside
1933 1934	Riverside	Northwest Northwest	Riverside
1935 1936	Riverside Riverside	Northwest	Riverside Riverside
1937	Riverside Riverside	Northwest Northwest	Riverside Riverside
1938	Riverside Riverside	Northwest Northwest	Riverside Riverside
1940 1941	Riverside Riverside	Northwest Northwest	Riverside Riverside
1942 1943	Riverside Riverside	Northwest Northwest	Riverside Riverside
1944 1945	Riverside Riverside	Northwest Northwest	Riverside Riverside
1946 1947	Riverside Riverside	Northwest Northwest	Riverside Riverside
1948 1949	Riverside Riverside	Northwest Northwest	Riverside Riverside
1950 1951	Riverside Riverside	Northwest Northwest	Riverside Riverside
1952 1953	Riverside Riverside	Northwest Northwest	Riverside Riverside
1954 1955	Riverside Riverside	Northwest Northwest	Riverside Riverside
1956 1957	Riverside Riverside	Northwest Northwest	Riverside Riverside
1958 1959	Riverside Riverside	Northwest Northwest	Riverside Riverside
1960	Riverside	Northwest	Riverside
1961 1962	Riverside Riverside	Northwest Northwest	Riverside Riverside
1963 1964	Riverside Riverside	Northwest Northwest	Riverside Riverside
1965 1966	Riverside Riverside	Northwest Northwest	Riverside Riverside
1967 1968	Riverside Riverside	Northwest Northwest	Riverside Riverside
1969 1970	Riverside Riverside	Northwest Northwest	Riverside Riverside
1971 1972	Riverside Riverside	Northwest Northwest	Riverside Riverside
1973 1974	Riverside Riverside	Northwest Northwest	Riverside Riverside
1975 1976	Riverside Riverside	Northwest Northwest	Riverside Riverside
1977 1978	Riverside Riverside	Northwest Northwest	Riverside Riverside
1979 1980	Riverside Riverside	Northwest	Riverside Riverside
1981	Riverside	Northwest Northwest	Riverside
1982 1983	Riverside Riverside	Northwest Northwest	Riverside Riverside
1984 1985	Riverside Riverside	Northwest Northwest	Riverside Riverside
1986 1987	Riverside Riverside	Northwest Northwest	Riverside Riverside
1988 1989	Riverside Riverside	Northwest Northwest	Riverside Riverside
1990 1991	Riverside Riverside	Northwest Northwest	Riverside Riverside
1992 1993	Riverside Riverside	Northwest Northwest	Riverside Riverside
1994 1995	Riverside Riverside	Northwest Northwest	Riverside Riverside
1996 1997	Riverside Riverside	Northwest Northwest	Riverside Riverside
1998 1999	Riverside Riverside	Northwest Northwest	Riverside Riverside
2000			
	Riverside	Northwest	Riverside
2001 2002	Riverside Riverside	Northwest Northwest Northwest	Riverside Riverside Riverside
2001 2002 2003 2004	Riverside Riverside Riverside Riverside	Northwest Northwest Northwest Northwest	Riverside Riverside Riverside Riverside Riverside
2001 2002 2003 2004 2005 2006	Riverside Riverside Riverside Riverside Riverside Riverside	Northwest Northwest Northwest Northwest Northwest Northwest Northwest	Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside
2001 2002 2003 2004 2005 2006 2007 2008	Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside	Northwest Northwest Northwest Northwest Northwest Northwest Northwest Northwest Northwest	Riverside
2001 2002 2003 2004 2005 2006 2007 2008 2009 2010	Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside	Northwest Northwest Northwest Northwest Northwest Northwest Northwest Northwest Northwest Northwest Northwest Northwest	Riverside
2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012	Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside	Northwest	Riverside
2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014	Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside	Northwest	Riverside
2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2015 2016	Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside	Northwest	Riverside
2001 2002 2003 2004 2005 2006 2007 2008 2010 2011 2012 2013 2014 2015 2016 2017 2017 2018	Riverside Riverside	Northwest	Riverside
2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2019 2019 2019 2019 2019 2019 2019	Riverside	Northwest	Riverside
2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2020 2020	Riverside Riverside	Northwest	Riverside
2001 2002 2003 2004 2006 2006 2007 2008 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2022 2022	Riverside Riverside	Northwest Northw	Riverside
2001 2002 2003 2004 2005 2006 2007 2008 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2020 2021 2022 2023 2025	Riverside Riverside	Northwest	Riverside
2001 2002 2003 2004 2005 2006 2006 2007 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2026 2027 2020	Riverside Riverside	Northwest Northw	Riverside
2001 2002 2003 2004 2005 2006 2007 2010 2011 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2028 2028 2028 2028	Riverside Rivers	Northwest	Riverside
2001 2002 2003 2004 2005 2006 2007 2008 2009 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2020 2020 2020 2020 2020 2020	Riverside Riverside	Northwest	Riverside
2001 2002 2003 2004 2016 2016 2017 2018 2017 2018 2017 2018 2018 2018 2018 2018 2018 2018 2018	Riverside Rivers	Northwest	Riverside
2001 2002 2003 2004 2005 2006 2006 2006 2007 2008 2010 2011 2013 2014 2015 2018 2019 2020 2020 2031 2022 2022 2022 2022 2022	Riverside Rivers	Northwest	Riverside
2001 2002 2003 2004 2005 2005 2006 2006 2006 2006 2006 2006	Riverside	Northwest	Riverside
2001 2002 2003 2004 2007 2001 2010 2010 2011 2015 2016 2016 2017 2017 2017 2017 2017 2017 2017 2017	Riverside	Northwest	Riverside
2001 2002 2003 2004 2005 2006 2006 2007 2008 2007 2008 2008 2009 2010 2011 2013 2014 2015 2018 2016 2017 2018 2018 2018 2018 2018 2018 2018 2018	Riverside	Northwest	Riverside
2001 2002 2003 2004 2005 2005 2006 2006 2007 2007 2008 2007 2008 2007 2008 2007 2007	Riverside	Northwest Northw	Riverside
2001 2002 2003 2004 2004 2004 2004 2004 2004	Riverside	Northwest	Riverside
2001 2002 2003 2004 2014 2024 2024 2024 2045 2045 2045 2045 204	Riverside	Northwest Northw	Riverside
2001 2002 2003 2004 2014 2015 2016 2017 2018 2018 2018 2018 2018 2018 2018 2018	Riverside	Northwest Northw	Riverside
2001 2002 2003 2004 2014 2015 2022 2023 2023 2024 2024 2035 2034 2044 2045 2045 2045 2045 2055 2006 2006 2051 2016 2017 2017 2018 2018 2019 2019 2019 2019 2019 2019 2019 2019	Riverside	Northwest Northw	Riverside
2001 2003 2004 2010 2012 2013 2024 2024 2025 2024 2044 2045 2044 2045 2045	Riverside	Northwest Northw	Riverside
2001 2002 2003 2004 2010 2011 2015 2018 2019 2020 2020 2020 2020 2010 2010 2011 2015 2016 2016 2017 2017 2018 2019 2020 2020 2020 2020 2020 2020 2020	Riverside	Northwest Northw	Riverside
2001 2002 2003 2004 2010 2012 2012 2013 2014 2015 2022 2023 2024 2025 2024 2025 2024 2024 2025 2024 2024	Riverside	Northwest Northw	Riverside
2001 2002 2003 2004 2005 2005 2005 2005 2005 2005 2005	Riverside	Northwest Northw	Riverside
2001 2002 2003 2004 2005 2005 2005 2005 2005 2005 2005	Riverside	Northwest Northw	Riverside
2001 2002 2003 2004 2005 2005 2006 2006 2010 2010 2011 2012 2013 2014 2015 2016 2016 2017 2017 2018 2019 2010 2010 2010 2010 2010 2011 2012 2014 2016 2016 2017 2018 2019 2018 2019 2010 2011 2010 2011 2012 2016 2016 2017 2018 2018 2019 2018 2019 2019 2010 2011 2019 2019 2010 2011 2019 2019	Riverside	Northwest Northw	Riverside
2001 2002 2003 2004 2005 2005 2006 2010 2010 2010 2011 2012 2013 2014 2015 2016 2016 2017 2017 2018 2018 2019 2010 2011 2012 2018 2018 2019 2010 2011 2012 2018 2018 2018 2018 2018	Riverside	Northwest Northw	Riverside
2001 2002 2003 2004 2015 2024 2024 2024 2024 2025 2025 2025 202	Riverside	Northwest Northw	Riverside
2001 2002 2005 2006 2006 2006 2006 2006 2006	Riverside	Northwest Northw	Riverside
2001 2002 2003 2004 2005 2005 2005 2005 2005 2005 2005	Riverside	Northwest Northw	Riverside
2001 2002 2003 2004 2005 2005 2005 2005 2005 2005 2005	Riverside	Northwest Northw	Riverside Rivers
2001 2002 2003 2004 2005 2005 2005 2005 2005 2005 2005	Riverside Rivers	Northwest Northw	Riverside
2001 2002 2003 2004 2005 2005 2005 2005 2005 2005 2005	Riverside	Northwest Northw	Riverside
2001 2002 2003 2004 2005 2005 2005 2005 2005 2005 2005	Riverside Rivers	Northwest Northw	Riverside Rivers
2001 2002 2003 2004 2005 2005 2005 2005 2005 2005 2005	Riverside Rivers	Northwest Northw	Riverside
2001 2002 2003 2004 2005 2006 2006 2010 2011 2012 2013 2014 2015 2016 2016 2017 2017 2020 2020 2020 2020 2020 2020	Riverside Rivers	Northwest Northw	Riverside
2001 2002 2003 2004 2005 2005 2005 2005 2005 2005 2005	Riverside	Northwest Northw	Riverside Rivers
2001 2002 2003 2004 2005 2005 2005 2005 2005 2005 2005	Riverside	Northwest Northw	Riverside
2001 2002 2003 2004 2005 2005 2005 2005 2005 2005 2005	Riverside Rivers	Northwest Northw	Riverside Rivers
2001 2002 2003 2004 2005 2005 2005 2005 2005 2005 2005	Riverside Rivers	Northwest Northw	Riverside

TAZ			
2090	Riverside	Northwest	Riverside
2091	Riverside	Northwest	Riverside
	Riverside	Northwest	Riverside
2093	Riverside	Northwest	Riverside
	Riverside	Northwest	Riverside
2095 2096 2097	Riverside Riverside Riverside	Northwest Northwest	Riverside Riverside Riverside
2098	Riverside Riverside	Northwest Northwest	Riverside
2100	Riverside	Northwest Northwest	Riverside Riverside
2101	Riverside	Northwest	Riverside
	Riverside	Northwest	Riverside
2103	Riverside	Northwest	Riverside
	Riverside	Northwest	Riverside
2105	Riverside	Northwest	Riverside
	Riverside	Northwest	Riverside
2107	Riverside	Northwest	Riverside
2108	Riverside	Northwest	Riverside
2109	Riverside	Northwest	Riverside
2110	Riverside	Northwest	Riverside
2111	Riverside	Northwest	Riverside
2112	Riverside	Northwest	Riverside
2113	Riverside	Northwest	Riverside
2114	Riverside	Northwest	Riverside
2115	Riverside	Northwest	Riverside
2116	Riverside	Northwest	Riverside
2117	Riverside	Northwest	Riverside
2118	Riverside	Northwest	Riverside
2119	Riverside	Northwest	Riverside
2120	Riverside	Northwest	Riverside
2121	Riverside	Northwest	Riverside
2122	Riverside	Northwest	Riverside
2123	Riverside	Northwest	Riverside
2124	Riverside	Northwest	Riverside
2125	Riverside	Northwest	Riverside
2129	Riverside	Northwest	Riverside
2130	Riverside	Northwest	Riverside
	Riverside	Northwest	Riverside
2132	Riverside	Northwest	Riverside
	Riverside	Northwest	Riverside
2134	Riverside	Northwest	Riverside
2321	Riverside	Northwest	Unincorporated
2322	Riverside	Northwest	Unincorporated Unincorporated
2370	Riverside	Northwest	
2371	Riverside	Northwest	Unincorporated Unincorporated
2372	Riverside	Northwest	
2373	Riverside	Northwest	Unincorporated Unincorporated
2374	Riverside	Northwest	
2375	Riverside	Northwest	Unincorporated
2376	Riverside	Northwest	Unincorporated
2377	Riverside	Northwest	Unincorporated Unincorporated
2378	Riverside	Northwest	
2379	Riverside	Northwest	Unincorporated Unincorporated
2380	Riverside	Northwest	
2381	Riverside	Northwest	Unincorporated
2382	Riverside	Northwest	Unincorporated
2383	Riverside	Northwest	Unincorporated Unincorporated
2384	Riverside	Northwest	
2385	Riverside	Northwest	Unincorporated Unincorporated
2386	Riverside	Northwest	
2387	Riverside	Northwest	Unincorporated
2388	Riverside	Northwest	Unincorporated
2389	Riverside	Northwest	Unincorporated
2390	Riverside	Northwest	Unincorporated
2391	Riverside	Northwest	Unincorporated Unincorporated
2392	Riverside	Northwest	
2393	Riverside	Northwest	Unincorporated
2394	Riverside	Northwest	Unincorporated
2397	Riverside	Northwest	Unincorporated
2398	Riverside	Northwest	Unincorporated
2399	Riverside	Northwest	Unincorporated
2400	Riverside	Northwest	Unincorporated
2401	Riverside	Northwest	Unincorporated Unincorporated
2402	Riverside	Northwest	
2403	Riverside	Northwest	Unincorporated
2404	Riverside	Northwest	Unincorporated
2405 2406 2407	Riverside Riverside	Northwest Northwest	Unincorporated Unincorporated
2408	Riverside Riverside	Northwest Northwest	Unincorporated Unincorporated
2410	Riverside Riverside Riverside	Northwest Northwest	Unincorporated Unincorporated Unincorporated
2412	Riverside Riverside	Northwest Northwest	Unincorporated Unincorporated
2586	Riverside	Northwest	Unincorporated Unincorporated
2587	Riverside	Northwest	
2588	Riverside	Northwest	Unincorporated
2589	Riverside	Northwest	Unincorporated
2590	Riverside	Northwest	Unincorporated Unincorporated
2591	Riverside	Northwest	
2592	Riverside	Northwest	Unincorporated
2593	Riverside	Northwest	Unincorporated
2594	Riverside	Northwest	Unincorporated Unincorporated
2595	Riverside	Northwest	
2596	Riverside	Northwest	Unincorporated Unincorporated
2597	Riverside	Northwest	
2598 2599	Riverside Riverside Riverside	Northwest Northwest	Unincorporated Unincorporated
2600 2601 2602	Riverside	Northwest Northwest	Unincorporated Unincorporated
2603 2604	Riverside Riverside Riverside	Northwest Northwest Northwest	Unincorporated Unincorporated Unincorporated
2605	Riverside	Northwest	Unincorporated Unincorporated
2606	Riverside	Northwest	
2607	Riverside	Northwest	Unincorporated
2664	Riverside	Northwest	
2666	Riverside	Northwest	Unincorporated Unincorporated Unincorporated
2671	Riverside	Northwest	
2672	Riverside	Northwest	Unincorporated Unincorporated
2680	Riverside	Northwest	
2681	Riverside	Northwest	Unincorporated
2705	Riverside	Northwest	
2706	Riverside	Northwest	Unincorporated Unincorporated Unincorporated
2707	Riverside	Northwest	
2726	Riverside	Northwest	Unincorporated Unincorporated
2730	Riverside	Northwest	
2731	Riverside	Northwest	Unincorporated Unincorporated
2732	Riverside	Northwest	
2734	Riverside	Northwest	Unincorporated Unincorporated
2735	Riverside	Northwest	
2736 2737 2738	Riverside Riverside	Northwest	
		Northwest	Unincorporated Unincorporated
2738 2739	Riverside Riverside	Northwest Northwest Northwest	Unincorporated Unincorporated
2739 2740 2741	Riverside Riverside Riverside Riverside	Northwest Northwest Northwest Northwest	Unincorporated Unincorporated Unincorporated Unincorporated Unincorporated Unincorporated
2739 2740 2741 2742 2743	Riverside Riverside Riverside Riverside Riverside Riverside	Northwest Northwest Northwest Northwest Northwest Northwest	Unincorporated Unincorporated Unincorporated Unincorporated Unincorporated Unincorporated Unincorporated Unincorporated Unincorporated
2739 2740 2741 2742 2743 2749 2750	Riverside Riverside Riverside Riverside Riverside	Northwest Northwest Northwest Northwest Northwest	Unincorporated
2739 2740 2741 2742 2743 2749	Riverside Riverside Riverside Riverside Riverside Riverside Riverside	Northwest Northwest Northwest Northwest Northwest Northwest Northwest	Unincorporated Unincorporated Unincorporated Unincorporated Unincorporated Unincorporated Unincorporated Unincorporated Unincorporated
2739 2740 2741 2742 2743 2749 2750 2751 2763 2764 2765	Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside	Northwest Northwest Northwest Northwest Northwest Northwest Northwest Northwest Northwest Northwest Northwest Northwest Northwest Northwest	Unincorporated
2739 2740 2741 2742 2743 2749 2750 2751 2763 2764 2765 2766 2767	Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside	Northwest	Unincorporated
2739 2740 2741 2742 2743 2749 2750 2751 2763 2764 2765 2766 2767 2768	Riverside	Northwest	Unincorporated
2739 2740 2741 2742 2743 2749 2750 2751 2763 2764 2765 2766 2767 2788 2769 2770 2770	Riverside Riverside	Northwest	Unincorporated
2739 2740 2741 2742 2743 2749 2750 2751 2763 2764 2765 2766 2767 2768 2770 2770 2771 2771 2772	Riverside Riverside	Northwest	Unincorporated
2739 2740 2741 2742 2743 2750 2751 2763 2764 2765 2766 2767 2768 2770 2771 2772 2773 2773	Riverside	Northwest	Unincorporated
2739 2740 2741 2742 2743 2759 2750 2763 2764 2765 2766 2767 2770 2772 2771 2772 2773 2774 2775 2776	Riverside Riverside	Northwest	Unincorporated
2739 2740 2741 2742 2743 2749 2750 2751 2763 2764 2765 2765 2765 2766 2770 2771 2772 2773 2774 2776 2777 2776 2777 2777	Riverside Riverside	Northwest	Unincorporated
2739 2740 2741 2742 2743 2749 2751 2763 2764 2765 2765 2767 2772 2773 2772 2773 2774 2775 2776 2777 2777 2778 2779 2779 2799 2790 2791	Riverside Riverside	Northwest	Unincorporated
2739 2740 2741 2742 2743 2749 2751 2763 2764 2765 2766 2767 2768 2770 2770 2770 2771 2772 2772 2773 2774 2775 2776 2777 2779 2790 2791 2798	Riverside Rivers	Northwest	Unincorporated
2739 2740 2741 2742 2743 2745 2750 2751 2763 2764 2765 2766 2767 2778 2779 2770 2771 2772 2773 2774 2775 2776 2777 2776 2777 2778 2778 2778 2779 2799 2799 2799 2799 2799 2799 2799 2799 2799 2799 2799 2799 2798 2799 2798 2798 2798 2798 2798 2798 2798 2799	Riverside Riverside	Northwest	Unincorporated
2739 2740 2741 2742 2743 2747 2747 2750 2751 2764 2765 2766 2767 2776 2776 2777 2777 2777 2777 2778 2779 2792 2798 2792 2798 2792 2798 2798 2799 2791 2779 2792 2798 2800 2800 2803	Riverside Riverside	Northwest Northw	Unincorporated
2739 2740 2741 2742 2743 2749 2755 2751 2763 2764 2765 2766 2767 2772 2773 2774 2775 2776 2777 2777 2778 2779 2790 2791 2792 2799 2800	Riverside Rivers	Northwest	Unincorporated
2739 2740 2741 2742 2743 2745 2755 2751 2764 2765 2766 2767 2776 2777 2772 2773 2774 2775 2775 2776 2777 2778 2779 2790 2791 2792 2799 2800 2803 2806	Riverside Rivers	Northwest	Unincorporated
2739 2740 2741 2742 2743 2749 2755 2755 2763 2764 2765 2765 2766 2767 2776 2770 2771 2772 2773 2774 2775 2776 2777 2775 2778 2778 2778 2779 2790 2791 2792 2792 2793 2798 2799 2790 2800 2801 2803 2805 2808 3093 3146 3147 3148	Riverside	Northwest Northw	Unincorporated
2739 2740 2741 2742 2743 2749 2755 2755 2763 2764 2768 2769 2770 2771 2772 2773 2774 2775 2776 2777 2776 2777 2778 2778 2779 2790 2791 2792 2798 2798 2798 2798 2799 2800 2803 2805 2808 3093 3146 3148 3148 3148 3148	Riverside	Northwest	Unincorporated
2739 2740 2741 2742 2743 2745 2755 2751 2753 2764 2765 2766 2767 2771 2772 2772 2772 2772 2772 2772 2772 2778 2778 2779 2790 2800 2801 2803 2805 2806 2806 2806 2803 2906 2007	Riverside	Northwest	Unincorporated
2739 2740 2741 2742 2743 2745 2750 2751 2764 2765 2766 2767 2770 2771 2772 2773 2774 2775 2776 2771 2778 2779 2790 2791 2792 2792 2800 2803 2805 2806 2806 2803 3144 3148 3149 3152 3178 3185 3185	Riverside	Northwest Northw	Unincorporated
2739 2740 2741 2742 2743 2749 2755 2751 2764 2765 2766 2767 2772 2773 2774 2775 2776 2771 2772 2773 2776 2771 2772 2778 2779 2790 2791 2792 2798 2803 2805 2805 2805 2805 2805 2805 2805 2805 2805 2805 2805 2806 2807 2807 2807 2807 2807 2807 2808 2809	Riverside	Northwest Northw	Unincorporated
2739 2740 2741 2742 2743 2749 275 275 275 275 275 276 2766 2766 2769 2770 2771 2772 2773 2774 2775 2774 2775 2770 2771 2772 2773 2774 2775 2779 2790 2800 2801 2803 2806 3093 3144 3185 3187 3188	Riverside	Northwest Northw	Unincorporated
2739 2740 2741 2742 2743 2749 2755 2751 2763 2764 2765 2766 2767 2772 2773 2772 2773 2772 2773 2772 2773 2772 2772 2773 2779 2790 2801 2805 2805 2808 3093 3147 3188 3187 3188 3189 3190 3190	Riverside	Northwest Northw	Unincorporated Uninco
2739 2740 2741 2742 2743 2749 2743 2749 2750 2751 2763 2764 2765 2766 2767 2772 2773 2772 2773 2772 2773 2772 2772 2772 2773 2779 2790 2801 2805 2805 2808 3093 3147 3188 3187 3188 3189 3190 3191 3193	Riverside	Northwest Northw	Unincorporated

EXHIBIT I-1 (continued)
RivCoM TAZ Correspondence by WRCOG TUMF Zone - Pass

TAZ	County Riverside	Pass	
2	Riverside	Pass	Banning Banning
3	Riverside	Pass	Banning
5	Riverside Riverside	Pass Pass	Banning Banning
6	Riverside	Pass	Banning
7 8	Riverside Riverside	Pass Pass	Banning Banning
9	Riverside	Pass	Banning
10	Riverside	Pass	Banning
11	Riverside Riverside	Pass Pass	Banning Banning
13	Riverside	Pass	Banning
14	Riverside Riverside	Pass Pass	Banning Banning
16	Riverside	Pass	Banning
17	Riverside	Pass	Banning
18 19	Riverside Riverside	Pass Pass	Banning Banning
20	Riverside	Pass	Banning
21	Riverside Riverside	Pass Pass	Banning Banning
23	Riverside	Pass	Banning
24	Riverside	Pass	Banning
25 26	Riverside Riverside	Pass Pass	Banning Banning
27	Riverside	Pass	Banning
28	Riverside Riverside	Pass Pass	Banning Banning
30	Riverside	Pass	Banning
31	Riverside	Pass	Banning
33	Riverside Riverside	Pass Pass	Banning Banning
34	Riverside	Pass	Banning
35 36	Riverside Riverside	Pass Pass	Banning Banning
37	Riverside	Pass	Banning
38	Riverside	Pass	Banning
39 40	Riverside Riverside	Pass Pass	Banning Banning
41	Riverside	Pass	Banning
42	Riverside Riverside	Pass Pass	Banning Banning
44	Riverside	Pass	Banning
45	Riverside	Pass	Banning
46 47	Riverside Riverside	Pass Pass	Banning Banning
48	Riverside	Pass	Banning
49 50	Riverside Riverside	Pass Pass	Banning
51	Riverside	Pass	Banning Banning
52	Riverside	Pass	Banning
53 54	Riverside Riverside	Pass Pass	Banning Banning
55	Riverside	Pass	Banning
56 57	Riverside Riverside	Pass Pass	Banning Beaumont
58	Riverside	Pass	Beaumont
59	Riverside	Pass	Beaumont
60	Riverside Riverside	Pass Pass	Beaumont Beaumont
62	Riverside	Pass	Beaumont
63 64	Riverside Riverside	Pass Pass	Beaumont Beaumont
65	Riverside	Pass	Beaumont
66	Riverside	Pass	Beaumont
67 68	Riverside Riverside	Pass Pass	Beaumont Beaumont
69	Riverside	Pass	Beaumont
70 71	Riverside Riverside	Pass Pass	Beaumont Beaumont
72	Riverside	Pass	Beaumont
73 74	Riverside Riverside	Pass Pass	Beaumont Beaumont
75	Riverside	Pass	Beaumont
76 77	Riverside	Pass	Beaumont
78	Riverside Riverside	Pass Pass	Beaumont Beaumont
79	Riverside	Pass	Beaumont
80	Riverside Riverside	Pass Pass	Beaumont Beaumont
82	Riverside	Pass	Beaumont
83 84	Riverside Riverside	Pass Pass	Beaumont Beaumont
85	Riverside	Pass	Beaumont
86	Riverside	Pass	Beaumont
87 88	Riverside Riverside	Pass Pass	Beaumont Beaumont
89	Riverside	Pass	Beaumont
90 91	Riverside Riverside	Pass Pass	Beaumont Beaumont
92	Riverside	Pass	Beaumont
93 94	Riverside	Pass Pass	Beaumont Beaumont
95	Riverside Riverside	Pass	Beaumont
96	Riverside	Pass	Beaumont
97 98	Riverside Riverside	Pass Pass	Beaumont Beaumont
99	Riverside	Pass	Beaumont
100	Riverside	Pass	Beaumont
101	Riverside Riverside	Pass Pass	Beaumont Beaumont
103	Riverside	Pass	Beaumont
104	Riverside	Pass	Beaumont
106	Riverside Riverside	Pass Pass	Beaumont Beaumont
107	Riverside	Pass	Beaumont
108	Riverside Riverside	Pass Pass	Beaumont Beaumont
110	Riverside	Pass	Beaumont
111	Riverside	Pass	Beaumont
1112	Riverside Riverside	Pass Pass	Beaumont Beaumont

TAZ	County	WRCOG Zone	City
128	Riverside	Pass	Calimesa
129	Riverside	Pass	Calimesa
130	Riverside Riverside	Pass Pass	Calimesa Calimesa
132	Riverside	Pass	Calimesa
133	Riverside	Pass	Calimesa
134	Riverside	Pass	Calimesa
135 136	Riverside	Pass	Calimesa Calimesa
136	Riverside Riverside	Pass Pass	Calimesa Calimesa
138	Riverside	Pass	Calimesa
139	Riverside	Pass	Calimesa
140	Riverside	Pass	Calimesa
141	Riverside Riverside	Pass Pass	Calimesa Calimesa
143	Riverside	Pass	Calimesa
144	Riverside	Pass	Calimesa
145	Riverside	Pass	Calimesa
146	Riverside Riverside	Pass	Calimesa
148	Riverside	Pass Pass	Calimesa Calimesa
149	Riverside	Pass	Calimesa
150	Riverside	Pass	Calimesa
151	Riverside	Pass	Calimesa
152 153	Riverside Riverside	Pass Pass	Calimesa Calimesa
154	Riverside	Pass	Calimesa
1278	Riverside	Pass	Moreno Valley
2323	Riverside	Pass	Unincorporated
2355 2356	Riverside	Pass Pass	Unincorporated
2356	Riverside Riverside	Pass	Unincorporated Unincorporated
2363	Riverside	Pass	Unincorporated
2364	Riverside	Pass	Unincorporated
2365	Riverside	Pass	Unincorporated
2627 2629	Riverside Riverside	Pass Pass	Unincorporated Unincorporated
2638	Riverside	Pass	Unincorporated
2639	Riverside	Pass	Unincorporated
2640	Riverside	Pass	Unincorporated
2650 2656	Riverside	Pass	Unincorporated
2657	Riverside Riverside	Pass Pass	Unincorporated Unincorporated
2658	Riverside	Pass	Unincorporated
2659	Riverside	Pass	Unincorporated
2661	Riverside	Pass	Unincorporated
2667 2674	Riverside Riverside	Pass Pass	Unincorporated Unincorporated
2858	Riverside	Pass	Unincorporated
2859	Riverside	Pass	Unincorporated
2896	Riverside	Pass	Unincorporated
2897 2898	Riverside	Pass	Unincorporated
2899	Riverside Riverside	Pass Pass	Unincorporated Unincorporated
2900	Riverside	Pass	Unincorporated
2901	Riverside	Pass	Unincorporated
2902 2903	Riverside	Pass Pass	Unincorporated
2904	Riverside Riverside	Pass	Unincorporated Unincorporated
2908	Riverside	Pass	Unincorporated
2909	Riverside	Pass	Unincorporated
2910	Riverside	Pass	Unincorporated
2911	Riverside Riverside	Pass Pass	Unincorporated Unincorporated
2913	Riverside	Pass	Unincorporated
2914	Riverside	Pass	Unincorporated
2915	Riverside	Pass	Unincorporated
2916 2917	Riverside	Pass	Unincorporated
2917	Riverside Riverside	Pass Pass	Unincorporated Unincorporated
2939	Riverside	Pass	Unincorporated
2940	Riverside	Pass	Unincorporated
2941 2942	Riverside Riverside	Pass Pass	Unincorporated
2942	Riverside	Pass	Unincorporated Unincorporated
2944	Riverside	Pass	Unincorporated
2945	Riverside	Pass	Unincorporated
2946	Riverside	Pass	Unincorporated
2947	Riverside Riverside	Pass Pass	Unincorporated Unincorporated
2949	Riverside	Pass	Unincorporated
2950	Riverside	Pass	Unincorporated
2951	Riverside	Pass	Unincorporated
2952 3042	Riverside	Pass	Unincorporated
3042	Riverside Riverside	Pass Pass	Unincorporated Unincorporated
3157	Riverside	Pass	Unincorporated
3158	Riverside	Pass	Unincorporated
3159	Riverside	Pass	Unincorporated
3160	Riverside Riverside	Pass Pass	Unincorporated
3161	Riverside	Pass	Unincorporated Unincorporated
3216	Riverside	Pass	Unincorporated
3217	Riverside	Pass	Unincorporated
3218	Riverside	Pass	Unincorporated
3219 3220	Riverside Riverside	Pass Pass	Unincorporated
3221	Riverside	Pass	Unincorporated Unincorporated
3222	Riverside	Pass	Unincorporated
3223	Riverside	Pass	Unincorporated

TAZ	County	WRCOG Zone	City
155	Riverside	Southwest	Canyon Lake Canyon Lake
156	Riverside	Southwest	
157	Riverside	Southwest	Canyon Lake
158	Riverside	Southwest	
159	Riverside Riverside	Southwest Southwest	Canyon Lake Canyon Lake
938 939	Riverside Riverside Riverside	Southwest Southwest	Canyon Lake Lake Elsinore Lake Elsinore
940	Riverside Riverside	Southwest Southwest Southwest	Lake Elsinore Lake Elsinore
942	Riverside	Southwest	Lake Elsinore
	Riverside	Southwest	Lake Elsinore
944	Riverside	Southwest	Lake Elsinore
945	Riverside	Southwest	Lake Elsinore
946	Riverside	Southwest	Lake Elsinore
	Riverside	Southwest	Lake Elsinore
948	Riverside	Southwest	Lake Elsinore
949	Riverside	Southwest	Lake Elsinore
950	Riverside	Southwest	Lake Elsinore
951	Riverside	Southwest	Lake Elsinore
952	Riverside	Southwest	Lake Elsinore
953	Riverside	Southwest	Lake Elsinore
954	Riverside	Southwest	Lake Elsinore
955	Riverside	Southwest	Lake Elsinore
956	Riverside	Southwest	Lake Elsinore
957	Riverside	Southwest	Lake Elsinore
958	Riverside	Southwest	Lake Elsinore
959	Riverside	Southwest	Lake Elsinore
960	Riverside	Southwest	Lake Elsinore
961	Riverside	Southwest	Lake Elsinore
962	Riverside	Southwest	Lake Elsinore
963	Riverside	Southwest	Lake Elsinore
964	Riverside	Southwest	Lake Elsinore
965	Riverside	Southwest	Lake Elsinore
966	Riverside	Southwest	Lake Elsinore
967	Riverside	Southwest	Lake Elsinore
968	Riverside	Southwest	Lake Elsinore
969	Riverside	Southwest	Lake Elsinore
970	Riverside	Southwest	Lake Elsinore
971	Riverside	Southwest	Lake Elsinore
972	Riverside	Southwest	Lake Elsinore
973	Riverside	Southwest	Lake Elsinore
974	Riverside	Southwest	Lake Elsinore
975	Riverside	Southwest	Lake Elsinore
976	Riverside	Southwest	Lake Elsinore
977	Riverside	Southwest	Lake Elsinore
978	Riverside	Southwest	Lake Elsinore
979	Riverside	Southwest	
980	Riverside	Southwest	Lake Elsinore
981	Riverside	Southwest	
982	Riverside	Southwest	Lake Elsinore Lake Elsinore
983	Riverside	Southwest	
984 985 986	Riverside Riverside	Southwest Southwest	Lake Elsinore Lake Elsinore Lake Elsinore
986 987 988	Riverside Riverside Riverside	Southwest Southwest	Lake Elsinore Lake Elsinore
989	Riverside	Southwest	Lake Elsinore
990	Riverside	Southwest	Lake Elsinore
991	Riverside	Southwest	Lake Elsinore
992	Riverside	Southwest	Lake Elsinore
993	Riverside	Southwest	Lake Elsinore
994	Riverside	Southwest	Lake Elsinore
995	Riverside	Southwest	Lake Elsinore
996	Riverside	Southwest	Lake Elsinore
997	Riverside	Southwest	Lake Elsinore
998	Riverside	Southwest	Lake Elsinore
999	Riverside Riverside	Southwest Southwest	Lake Elsinore
1001	Riverside	Southwest	Lake Elsinore
1002	Riverside	Southwest	Lake Elsinore
1003	Riverside	Southwest	Lake Elsinore
1004	Riverside	Southwest	Lake Elsinore
1005	Riverside	Southwest	Lake Elsinore
1006	Riverside	Southwest	Lake Elsinore
1007	Riverside	Southwest	Lake Elsinore
1009	Riverside	Southwest	Lake Elsinore
1010	Riverside	Southwest	Lake Elsinore
1011	Riverside	Southwest	Lake Elsinore
1012	Riverside	Southwest	Lake Elsinore
1013	Riverside	Southwest	Lake Elsinore
1014	Riverside	Southwest	Lake Elsinore
	Riverside	Southwest	Lake Elsinore
1016	Riverside	Southwest	Lake Elsinore
	Riverside	Southwest	Lake Elsinore
1018 1019 1020	Riverside Riverside	Southwest Southwest	Lake Elsinore Lake Elsinore Lake Elsinore
1020	Riverside Riverside Riverside	Southwest Southwest	Lake Elsinore Lake Elsinore
1023	Riverside	Southwest	Lake Elsinore
	Riverside	Southwest	Lake Elsinore
1025	Riverside	Southwest	Lake Elsinore
	Riverside	Southwest	Lake Elsinore
1027	Riverside	Southwest	Lake Elsinore
1028	Riverside	Southwest	Lake Elsinore
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1036	Riverside	Southwest	Lake Elsinore
1037	Riverside	Southwest	Lake Elsinore
	Riverside	Southwest	Lake Elsinore
1039	Riverside	Southwest	Lake Elsinore
	Riverside	Southwest	Lake Elsinore
1041	Riverside	Southwest	Lake Elsinore
	Riverside	Southwest	Lake Elsinore
1043	Riverside	Southwest	Lake Elsinore
	Riverside	Southwest	Murrieta
1287 1288 1289	Riverside Riverside	Southwest Southwest	Murrieta Murrieta
1289	Riverside	Southwest	Murrieta
1290	Riverside	Southwest	Murrieta
1291	Riverside	Southwest	Murrieta
1291	Riverside	Southwest	Murrieta
	Riverside	Southwest	Murrieta
1294	Riverside	Southwest	Murrieta
1295	Riverside	Southwest	Murrieta
1296	Riverside	Southwest	Murrieta
1297	Riverside	Southwest	Murrieta
1298	Riverside	Southwest	Murrieta
	Riverside	Southwest	Murrieta
1300	Riverside	Southwest	Murrieta
1301	Riverside	Southwest	Murrieta
1302	Riverside	Southwest	Murrieta
1303	Riverside	Southwest	Murrieta
1304	Riverside	Southwest	Murrieta
1305	Riverside	Southwest	Murrieta
1306	Riverside	Southwest	Murrieta
	Riverside	Southwest	Murrieta
1308	Riverside	Southwest	Murrieta
	Riverside	Southwest	Murrieta
1310	Riverside	Southwest	Murrieta
	Riverside	Southwest	Murrieta
1312	Riverside	Southwest	Murrieta
1313	Riverside	Southwest	Murrieta
1314 1315 1316	Riverside Riverside	Southwest Southwest	Murrieta Murrieta
1316	Riverside	Southwest	Murrieta
1317	Riverside	Southwest	Murrieta
1318	Riverside	Southwest	Murrieta
1319	Riverside	Southwest	Murrieta
	Riverside	Southwest	Murrieta
1321	Riverside	Southwest	Murrieta
	Riverside	Southwest	Murrieta
1323	Riverside	Southwest	Murrieta
1324	Riverside	Southwest	Murrieta
1325	Riverside	Southwest	Murrieta
	Riverside	Southwest	Murrieta
1327	Riverside	Southwest	Murrieta
1328	Riverside	Southwest	Murrieta
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1330	Riverside	Southwest	Murrieta
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1332	Riverside	Southwest	Murrieta
1333	Riverside	Southwest	Murrieta
1334	Riverside	Southwest	Murrieta
1335	Riverside	Southwest	Murrieta
1336	Riverside	Southwest	Murrieta
1337	Riverside	Southwest	Murrieta
1338	Riverside	Southwest	Murrieta
1339	Riverside	Southwest	Murrieta
	Riverside	Southwest	Murrieta
1340	Riverside	Southwest	Murrieta
	Riverside	Southwest	Murrieta
1340 1341 1342		Southwest	Murrieta
1340 1341 1342 1343 1344	Riverside Riverside	Southwest	Murrieta
1340 1341 1342 1343 1344 1345 1346	Riverside Riverside Riverside Riverside	Southwest Southwest Southwest	Murrieta Murrieta
1340 1341 1342 1343 1344 1345	Riverside Riverside Riverside	Southwest Southwest	Murrieta

TAZ	County	WRCOG Zone	City
1351	Riverside	Southwest	Murrieta
	Riverside	Southwest	Murrieta
1353	Riverside	Southwest	Murrieta
1354	Riverside		Murrieta
1355	Riverside	Southwest Southwest	Murrieta
1356	Riverside	Southwest	Murrieta
1357	Riverside	Southwest	Murrieta
1358	Riverside	Southwest	Murrieta
1359	Riverside	Southwest	Murrieta
1360	Riverside	Southwest	Murrieta
1361	Riverside	Southwest	Murrieta
1362	Riverside	Southwest	Murrieta
1363	Riverside	Southwest	Murrieta
1364	Riverside	Southwest	Murrieta
1365	Riverside	Southwest	Murrieta
1366	Riverside	Southwest	Murrieta
	Riverside	Southwest	Murrieta
1368	Riverside	Southwest	Murrieta
1369	Riverside	Southwest	Murrieta
1370	Riverside	Southwest	Murrieta
1372	Riverside	Southwest	Murrieta
	Riverside	Southwest	Murrieta
1374	Riverside Riverside	Southwest	Murrieta Murrieta
1376	Riverside	Southwest	Murrieta
	Riverside	Southwest	Murrieta
1378	Riverside	Southwest	Murrieta
	Riverside	Southwest	Murrieta
1379	Riverside	Southwest	Murrieta
1380	Riverside	Southwest	Murrieta
1381	Riverside	Southwest	Murrieta
1382	Riverside	Southwest	Murrieta
1383	Riverside	Southwest	Murrieta
1384	Riverside	Southwest	Murrieta
1385	Riverside	Southwest	Murrieta
1386	Riverside	Southwest	Murrieta
1387	Riverside	Southwest	Murrieta
1388	Riverside	Southwest	Murrieta
1389	Riverside	Southwest	Murrieta
	Riverside	Southwest	Murrieta
1390 1391 1392	Riverside Riverside	Southwest Southwest	Murrieta Murrieta
1393	Riverside	Southwest	Murrieta
1394	Riverside	Southwest	Murrieta
1395	Riverside	Southwest	Murrieta
139/	Riverside	Southwest	Murrieta
	Riverside	Southwest	Murrieta
1398	Riverside	Southwest	Murrieta
	Riverside	Southwest	Murrieta
1400	Riverside	Southwest	Murrieta
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1402	Riverside	Southwest	Murrieta
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1412	Riverside	Southwest	Murrieta
	Riverside	Southwest	Murrieta
1414	Riverside Riverside	Southwest	Murrieta Murrieta
1416	Riverside	Southwest Southwest	Murrieta
1418	Riverside	Southwest	Murrieta
	Riverside	Southwest	Murrieta
1419	Riverside	Southwest	Murrieta
1420	Riverside	Southwest	Murrieta
1421	Riverside	Southwest	Murrieta
1422	Riverside	Southwest	Murrieta
1423	Riverside	Southwest	Murrieta
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1438	Riverside	Southwest	Murrieta
1439	Riverside	Southwest	Murrieta Murrieta
1441	Riverside Riverside	Southwest Southwest	Murrieta
1442	Riverside	Southwest	Murrieta
1443	Riverside	Southwest	Murrieta
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1445	Riverside	Southwest	Murrieta
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1455	Riverside	Southwest	Murrieta
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	Riverside	Southwest	Murrieta
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	Riverside	Southwest	Murrieta
1464	Riverside	Southwest	Murrieta
	Riverside	Southwest	Murrieta
1466	Riverside	Southwest	Murrieta
	Riverside	Southwest	Murrieta
1468	Riverside	Southwest	Murrieta
1470	Riverside Riverside Riverside	Southwest Southwest	Murrieta Murrieta Murrieta
1472	Riverside	Southwest	Murrieta
1473 1474 1475	Riverside Riverside	Southwest Southwest	Murrieta Murrieta
14/5 1476 1477	Riverside Riverside	Southwest Southwest	Murrieta Murrieta
14// 1478 1479	Riverside Riverside Riverside	Southwest Southwest	Murrieta Murrieta Murrieta
1480	Riverside	Southwest	Murrieta
1481	Riverside	Southwest	Murrieta
	Riverside	Southwest	Murrieta
1483	Riverside	Southwest	Murrieta
1484	Riverside	Southwest	Murrieta
1485	Riverside	Southwest	Murrieta
	Riverside	Southwest	Murrieta
1487	Riverside	Southwest	Murrieta
1488	Riverside	Southwest	Murrieta
1489	Riverside	Southwest	Murrieta
1490	Riverside	Southwest	Murrieta
1491	Riverside	Southwest	Murrieta
	Riverside	Southwest	Murrieta
1493	Riverside	Southwest	Murrieta
1494	Riverside	Southwest	Murrieta
1495	Riverside	Southwest	Murrieta
1496	Riverside	Southwest	Murrieta
1496 1497 1498	Riverside Riverside	Southwest Southwest	Murrieta Murrieta
1499	Riverside	Southwest	Murrieta
	Riverside	Southwest	Murrieta
1501	Riverside	Southwest	Murrieta
1502	Riverside	Southwest	Murrieta
1503	Riverside	Southwest	Murrieta
1504	Riverside	Southwest	Murrieta
1505	Riverside	Southwest	Murrieta
1506	Riverside	Southwest	Murrieta
1506 1507 1508	Riverside	Southwest	Murrieta
1509	Riverside	Southwest	Murrieta
	Riverside	Southwest	Murrieta
1510	Riverside	Southwest	Murrieta
1511	Riverside	Southwest	Murrieta
1512	Riverside	Southwest	Murrieta
1513	Riverside	Southwest	Murrieta
1514	Riverside	Southwest	Murrieta
1515	Riverside	Southwest	Murrieta
1516	Riverside	Southwest	Murrieta
1517	Riverside	Southwest	Murrieta
1518	Riverside	Southwest	Murrieta
	Riverside	Southwest	Murrieta
1519	Riverside	Southwest Southwest	Murrieta Murrieta
1520 1521	Riverside		
1520 1521 1522 1523		Southwest Southwest	Murrieta Murrieta
1520 1521 1522 1523 1524 1525	Riverside Riverside Riverside Riverside Riverside	Southwest Southwest	
1520 1521 1522 1523 1524 1525 1526 1527	Riverside Riverside Riverside Riverside	Southwest Southwest Southwest Southwest Southwest	Murrieta Murrieta
1520 1521 1522 1523 1524 1525 1526	Riverside Riverside Riverside Riverside Riverside Riverside	Southwest Southwest Southwest Southwest	Murrieta Murrieta Murrieta Murrieta
1520 1521 1522 1523 1524 1525 1526 1527 1528	Riverside Riverside Riverside Riverside Riverside Riverside Riverside Riverside	Southwest Southwest Southwest Southwest Southwest Southwest	Murrieta Murrieta Murrieta Murrieta Murrieta Murrieta

TAZ 1531	County	WRCOG Zone	City
	Riverside	Southwest	Murrieta
1532	Riverside	Southwest	Murrieta
1533	Riverside	Southwest	Murrieta
1534	Riverside	Southwest	Murrieta
1535	Riverside	Southwest	Murrieta
1536	Riverside	Southwest	Murrieta
1537 1538 1539	Riverside Riverside Riverside	Southwest Southwest	Murrieta Murrieta Murrieta
2208	Riverside	Southwest	Temecula
2209	Riverside	Southwest	Temecula
2210 2211 2212	Riverside Riverside	Southwest Southwest	Temecula Temecula
2212 2213 2214	Riverside Riverside Riverside	Southwest Southwest	Temecula Temecula Temecula
2215	Riverside	Southwest	Temecula
	Riverside	Southwest	Temecula
2217 2218 2219	Riverside Riverside Riverside	Southwest Southwest	Temecula Temecula Temecula
2220	Riverside	Southwest	Temecula
2221	Riverside	Southwest	Temecula
2222 2223 2224	Riverside Riverside Riverside	Southwest Southwest Southwest	Temecula Temecula
2225	Riverside	Southwest	Temecula
2226	Riverside	Southwest	Temecula
2227	Riverside	Southwest	Temecula
2228	Riverside	Southwest	Temecula
2229	Riverside	Southwest	Temecula
2230	Riverside	Southwest	Temecula
2231	Riverside	Southwest	Temecula
2232	Riverside	Southwest	Temecula
2233	Riverside	Southwest	Temecula
2234	Riverside	Southwest	Temecula
2235	Riverside	Southwest	Temecula
2236	Riverside	Southwest	Temecula
2237 2238 2239	Riverside Riverside Riverside	Southwest Southwest	Temecula Temecula Temecula
2240	Riverside	Southwest	Temecula
2241	Riverside	Southwest	Temecula
2242 2243 2244	Riverside Riverside Riverside	Southwest Southwest	Temecula Temecula Temecula
2245	Riverside	Southwest	Temecula
2246	Riverside	Southwest	Temecula
2247	Riverside	Southwest	Temecula
2248	Riverside	Southwest	Temecula
2249	Riverside	Southwest	Temecula
2250	Riverside	Southwest	Temecula
2251	Riverside	Southwest	Temecula
2252 2253 2254	Riverside Riverside	Southwest Southwest	Temecula Temecula
2255 2256	Riverside Riverside Riverside	Southwest Southwest Southwest	Temecula Temecula Temecula
2257	Riverside	Southwest	Temecula
2258	Riverside	Southwest	Temecula
2259	Riverside	Southwest	Temecula
2260	Riverside	Southwest	Temecula
2261	Riverside	Southwest	Temecula
2262	Riverside	Southwest	Temecula
2263	Riverside	Southwest	Temecula
2264	Riverside	Southwest	Temecula
2265	Riverside	Southwest	Temecula
2266	Riverside	Southwest	Temecula
2267	Riverside	Southwest	Temecula
2268	Riverside	Southwest	Temecula
2269 2270 2271	Riverside Riverside Riverside	Southwest Southwest	Temecula Temecula
2272	Riverside	Southwest	Temecula
2273	Riverside	Southwest	Temecula
2274 2275 2276	Riverside Riverside Riverside	Southwest Southwest	Temecula Temecula Temecula
2277	Riverside	Southwest	Temecula
2278	Riverside	Southwest	Temecula
2279	Riverside	Southwest	Temecula
2280	Riverside	Southwest	Temecula
2281	Riverside	Southwest	Temecula
2282 2283 2284	Riverside Riverside Riverside	Southwest Southwest Southwest	Temecula Temecula
2285 2286	Riverside Riverside	Southwest Southwest	Temecula Temecula Temecula
2287 2288 2289	Riverside Riverside Riverside	Southwest Southwest	Temecula Temecula Temecula
2290	Riverside	Southwest	Temecula
2291	Riverside	Southwest	Temecula
2292 2293 2294	Riverside Riverside Riverside	Southwest Southwest	Temecula Temecula Temecula
2295	Riverside	Southwest	Temecula
2296	Riverside	Southwest	Temecula
2297	Riverside	Southwest	Temecula
2298	Riverside	Southwest	Temecula
2299	Riverside	Southwest	Temecula
2300 2301 2302	Riverside Riverside	Southwest Southwest	Temecula Temecula
2302 2303 2304	Riverside Riverside Riverside	Southwest Southwest	Temecula Temecula Temecula
2305 2306 2307	Riverside Riverside	Southwest Southwest	Temecula Temecula
2308	Riverside Riverside Riverside	Southwest Southwest	Temecula Temecula Temecula
2310	Riverside	Southwest	Temecula
	Riverside	Southwest	Temecula
2312	Riverside	Southwest	Temecula
2313	Riverside	Southwest	Temecula
2314	Riverside	Southwest	Temecula
2315	Riverside	Southwest	Temecula
2316	Riverside	Southwest	Temecula
2317 2318 2319	Riverside Riverside Riverside	Southwest Southwest	Temecula Temecula Temecula
2395 2396 2414	Riverside Riverside	Southwest Southwest	Unincorporated Unincorporated
2422 2423	Riverside Riverside Riverside	Southwest Southwest Southwest	Unincorporated Unincorporated Unincorporated
2424 2425 2426	Riverside Riverside	Southwest Southwest	Unincorporated Unincorporated
2427 2428	Riverside Riverside Riverside	Southwest Southwest Southwest	Unincorporated Unincorporated Unincorporated
2429	Riverside	Southwest	Unincorporated Unincorporated Unincorporated
2465	Riverside	Southwest	
2466	Riverside	Southwest	
2467	Riverside	Southwest	Unincorporated Unincorporated
2473	Riverside	Southwest	
2474	Riverside	Southwest	Unincorporated Unincorporated Unincorporated
2475	Riverside	Southwest	
2476	Riverside	Southwest	
2477	Riverside	Southwest	Unincorporated
2478	Riverside	Southwest	Unincorporated
2479	Riverside	Southwest	Unincorporated Unincorporated Unincorporated
2480	Riverside	Southwest	
2481	Riverside	Southwest	
2492	Riverside	Southwest	Unincorporated Unincorporated
2495	Riverside	Southwest	
2496	Riverside	Southwest	Unincorporated Unincorporated Unincorporated
2497	Riverside	Southwest	
2498	Riverside	Southwest	
2499	Riverside	Southwest	Unincorporated Unincorporated
2500	Riverside	Southwest	
2501 2509 2510	Riverside Riverside Riverside	Southwest Southwest	Unincorporated Unincorporated Unincorporated
2511	Riverside	Southwest	Unincorporated Unincorporated
2512	Riverside	Southwest	
2518 2519 2520	Riverside Riverside Riverside	Southwest Southwest	Unincorporated Unincorporated Unincorporated
2521 2522 2523	Riverside Riverside	Southwest Southwest	Unincorporated Unincorporated
2524 2528	Riverside Riverside Riverside	Southwest Southwest Southwest	Unincorporated Unincorporated Unincorporated
2529 2530 2531	Riverside Riverside	Southwest Southwest	Unincorporated Unincorporated
2532 2533	Riverside Riverside Riverside	Southwest Southwest Southwest	Unincorporated Unincorporated Unincorporated
2534	Riverside	Southwest	Unincorporated Unincorporated Unincorporated
2535	Riverside	Southwest	
2536	Riverside	Southwest	
2537	Riverside	Southwest	Unincorporated Unincorporated
2538	Riverside	Southwest	
2539	Riverside	Southwest	Unincorporated Unincorporated
2540	Riverside	Southwest	

TAZ 2541	County Riverside	WRCOG Zone Southwest	City Unincorporated
2542 2543 2544	Riverside Riverside Riverside	Southwest Southwest	Unincorporated Unincorporated Unincorporated
2545	Riverside	Southwest	Unincorporated Unincorporated Unincorporated
2546	Riverside	Southwest	
2547	Riverside	Southwest	
2548	Riverside	Southwest	Unincorporated Unincorporated Unincorporated Unincorporated
2549	Riverside	Southwest	
2550	Riverside	Southwest	
2551	Riverside	Southwest	
2552	Riverside	Southwest	Unincorporated Unincorporated Unincorporated
2553	Riverside	Southwest	
2554	Riverside	Southwest	
2555	Riverside	Southwest	Unincorporated Unincorporated Unincorporated
2556	Riverside	Southwest	
2557	Riverside	Southwest	
2558	Riverside	Southwest	Unincorporated
2559	Riverside	Southwest	Unincorporated
2560	Riverside	Southwest	Unincorporated
2561 2562 2563 2564	Riverside Riverside Riverside Riverside	Southwest Southwest Southwest	Unincorporated Unincorporated Unincorporated Unincorporated
2582	Riverside	Southwest	Unincorporated Unincorporated Unincorporated
2583	Riverside	Southwest	
2584	Riverside	Southwest	
2585	Riverside	Southwest	Unincorporated Unincorporated Unincorporated
2662	Riverside	Southwest	
2663	Riverside	Southwest	
2665	Riverside	Southwest	Unincorporated Unincorporated Unincorporated
2695	Riverside	Southwest	
2696	Riverside	Southwest	
2697	Riverside	Southwest	
2698	Riverside	Southwest	Unincorporated Unincorporated Unincorporated Unincorporated
2699	Riverside	Southwest	
2700	Riverside	Southwest	
2701 2702 2703 2704	Riverside Riverside Riverside	Southwest Southwest Southwest	Unincorporated Unincorporated Unincorporated
2708 2718 2720	Riverside Riverside Riverside Riverside	Southwest Southwest Southwest Southwest	Unincorporated Unincorporated Unincorporated Unincorporated
2813	Riverside	Southwest	Unincorporated
2814	Riverside	Southwest	Unincorporated
2837	Riverside	Southwest	Unincorporated
2838 2846 2847 2849	Riverside Riverside Riverside	Southwest Southwest Southwest	Unincorporated Unincorporated Unincorporated Unincorporated
2849	Riverside	Southwest	Unincorporated Unincorporated Unincorporated Unincorporated
2852	Riverside	Southwest	
2854	Riverside	Southwest	
2855	Riverside	Southwest	
2860	Riverside	Southwest	Unincorporated
2861	Riverside	Southwest	Unincorporated
3091	Riverside	Southwest	Unincorporated
3092 3094 3095 3096	Riverside Riverside Riverside	Southwest Southwest Southwest	Unincorporated Unincorporated Unincorporated
3096 3097 3098 3099	Riverside Riverside Riverside Riverside	Southwest Southwest Southwest	Unincorporated Unincorporated Unincorporated Unincorporated
3100	Riverside	Southwest	Unincorporated
3101	Riverside	Southwest	Unincorporated
3102	Riverside	Southwest	Unincorporated
3103 3104 3105 3106	Riverside Riverside Riverside Riverside	Southwest Southwest Southwest Southwest	Unincorporated Unincorporated Unincorporated
3108	Riverside	Southwest	Unincorporated Unincorporated Unincorporated Unincorporated
3109	Riverside	Southwest	
3110	Riverside	Southwest	
3111 3112 3113	Riverside Riverside Riverside	Southwest Southwest	Unincorporated Unincorporated Unincorporated
3114	Riverside	Southwest	Unincorporated
3115	Riverside	Southwest	Unincorporated
3116	Riverside	Southwest	Unincorporated
3117	Riverside	Southwest	Unincorporated Unincorporated Unincorporated Unincorporated
3118	Riverside	Southwest	
3119	Riverside	Southwest	
3120	Riverside	Southwest	
3121 3122 3123	Riverside Riverside Riverside	Southwest Southwest	Unincorporated Unincorporated Unincorporated
3124	Riverside	Southwest	Unincorporated Unincorporated Unincorporated
3125	Riverside	Southwest	
3126	Riverside	Southwest	
3127	Riverside	Southwest	
3128	Riverside	Southwest	Unincorporated Unincorporated Unincorporated Unincorporated
3129	Riverside	Southwest	
3130	Riverside	Southwest	
3131 3132 3133	Riverside Riverside Riverside	Southwest Southwest	Unincorporated Unincorporated Unincorporated
3134 3135 3136 3137	Riverside Riverside Riverside Riverside	Southwest Southwest Southwest	Unincorporated Unincorporated Unincorporated Unincorporated
3138	Riverside	Southwest	Unincorporated
3145	Riverside	Southwest	Unincorporated
3150	Riverside	Southwest	Unincorporated
3176 3199 3200 3201	Riverside Riverside Riverside Riverside	Southwest Southwest Southwest	Unincorporated Unincorporated Unincorporated Unincorporated
3202	Riverside	Southwest	Unincorporated Unincorporated Unincorporated
3205	Riverside	Southwest	
3207	Riverside	Southwest	
3212	Riverside	Southwest	Unincorporated Unincorporated Unincorporated
3213	Riverside	Southwest	
3214	Riverside	Southwest	
3224	Riverside	Southwest	Unincorporated Unincorporated Unincorporated Unincorporated
3226	Riverside	Southwest	
3234	Riverside	Southwest	
3237	Riverside	Southwest	
3238 3239 3240	Riverside Riverside Riverside	Southwest Southwest	Unincorporated Unincorporated Unincorporated
3241 3246 3247 3248	Riverside Riverside Riverside	Southwest Southwest	Unincorporated Wildomar Wildomar
3248	Riverside	Southwest	Wildomar
3249	Riverside	Southwest	Wildomar
3250	Riverside	Southwest	Wildomar
3251	Riverside	Southwest	Wildomar
3252 3253 3254	Riverside Riverside Riverside	Southwest Southwest	Wildomar Wildomar Wildomar
3255 3256 3257 3258	Riverside Riverside Riverside	Southwest Southwest Southwest	Wildomar Wildomar Wildomar Wildomar
3258 3259 3260 3261	Riverside Riverside Riverside Riverside	Southwest Southwest Southwest Southwest	Wildomar Wildomar Wildomar
3262 3263 3264 3265	Riverside Riverside Riverside	Southwest Southwest	Wildomar Wildomar Wildomar
3266 3267 3268	Riverside Riverside Riverside Riverside	Southwest Southwest Southwest Southwest	Wildomar Wildomar Wildomar
3269	Riverside	Southwest	Wildomar
3270	Riverside	Southwest	Wildomar
3271	Riverside	Southwest	Wildomar
3272 3273 3274 3275	Riverside Riverside Riverside Riverside	Southwest Southwest Southwest Southwest	Wildomar Wildomar Wildomar
3276 3277 3278	Riverside Riverside Riverside	Southwest Southwest	Wildomar Wildomar Wildomar
3279	Riverside	Southwest	Wildomar
3280	Riverside	Southwest	Wildomar
3281	Riverside	Southwest	Wildomar
3282	Riverside	Southwest	Wildomar
3283 3284 3285	Riverside Riverside Riverside	Southwest Southwest	Wildomar Wildomar Wildomar
3286 3287 3288 3289	Riverside Riverside Riverside	Southwest Southwest Southwest	Wildomar Wildomar Wildomar
3289	Riverside	Southwest	Wildomar
3290	Riverside	Southwest	Wildomar
3291	Riverside	Southwest	Wildomar
3292	Riverside	Southwest	Wildomar
3293	Riverside	Southwest	Wildomar
3294	Riverside	Southwest	Wildomar
3295	Riverside	Southwest	Wildomar
3296 3297 3298 3299	Riverside Riverside Riverside	Southwest Southwest Southwest	Wildomar Wildomar Wildomar Wildomar
3279	Riverside	Southwest	- maonial

EXHIBIT I-1 (continued)		

EXHIBIT I-1 (confinued) RivCoM TAZ Correspondence by WRCOG TUMF Zones - Riverside Co	ounty Outside WRCOG		
TAZ County WRCOG Zone City 115 Riverside Outside TUMF Zones Blythe 116 Riverside Outside TUMF Zones Blythe 117 Riverside Outside TUMF Zones Blythe	TAZ County WRCOG Zone City T39 Riverside Outside TUMF Zones Indian Wells T40 Riverside Outside TUMF Zones Indian Wells	TAZ County WRCOG Zone City 1661 Riverside Outside TUMF Zones Palm Desert 1662 Riverside Outside TUMF Zones Palm Desert	TAZ County WRCOG Zone City 2516 Riverside Outside TUMF Zones Unincorporated 2517 Riverside Outside TUMF Zones Unincorporated
117 Riverside Outside TUMF Zones Blythe 118 Riverside Outside TUMF Zones Blythe 119 Riverside Outside TUMF Zones Blythe 120 Riverside Outside TUMF Zones Blythe	741 Riverside Outside TUMF Zones Indian Wells 742 Riverside Outside TUMF Zones Indian Wells 743 Riverside Outside TUMF Zones Indian Wells 744 Riverside Outside TUMF Zones Indian Wells	1663 Riverside Outside TUMF Zones Palm Desert 1664 Riverside Outside TUMF Zones Palm Desert 1665 Riverside Outside TUMF Zones Palm Desert 1666 Riverside Outside TUMF Zones Palm Desert	2525 Riverside Outside TUMF Zones Unincorporated 2526 Riverside Outside TUMF Zones Unincorporated 2527 Riverside Outside TUMF Zones Unincorporated 2527 Riverside Outside TUMF Zones Unincorporated 2565 Riverside Outside TUMF Zones Unincorporated
121 Riverside Outside TUMF Zones Blythe 122 Riverside Outside TUMF Zones Blythe 123 Riverside Outside TUMF Zones Blythe	745 Riverside Outside TUMF Zones Indian Wells 746 Riverside Outside TUMF Zones Indian Wells 747 Riverside Outside TUMF Zones Indian Wells 748 Riverside Outside TUMF Zones Indian Wells	1667 Riverside Outside TUMF Zones Palm Desert 1668 Riverside Outside TUMF Zones Palm Desert 1669 Riverside Outside TUMF Zones Palm Desert	2566 Riverside Outside TUMF Zones Unincorporated 2567 Riverside Outside TUMF Zones Unincorporated 2568 Riverside Outside TUMF Zones Unincorporated
124 Riverside Outside TUMF Zones Blythe 125 Riverside Outside TUMF Zones Blythe 126 Riverside Outside TUMF Zones Blythe	748 Riverside Outside TUMF Zones Indian Wells 749 Riverside Outside TUMF Zones Indian Wells 750 Riverside Outside TUMF Zones Indian Wells	1670 Riverside Outside TUMF Zones Palm Desert 1671 Riverside Outside TUMF Zones Palm Desert 1672 Riverside Outside TUMF Zones Palm Desert	2569 Riverside Outside TUMF Zones Unincorporated 2570 Riverside Outside TUMF Zones Unincorporated 2571 Riverside Outside TUMF Zones Unincorporated
127 Riverside Outside TUMF Zones Blythe 162 Riverside Outside TUMF Zones Carthedral City 163 Riverside Outside TUMF Zones Carthedral City 164 Riverside Outside TUMF Zones Carthedral City	751 Riverside Outside TUMF Zones Indian Wells 752 Riverside Outside TUMF Zones India 753 Riverside Outside TUMF Zones India 754 Riverside Outside TUMF Zones India 1056 1	1673 Riverside Outside TUMF Zones Palm Desert 1674 Riverside Outside TUMF Zones Palm Desert 1675 Riverside Outside TUMF Zones Palm Desert 1676 Riverside Outside TUMF Zones Palm Desert	2572 Riverside Outside TUMF Zones Unincorporated 2573 Riverside Outside TUMF Zones Unincorporated 2574 Riverside Outside TUMF Zones Unincorporated 2575 Riverside Outside TUMF Zones Unincorporated
165 Riverside Outside TUMF Zones Cathedral City 166 Riverside Outside TUMF Zones Cathedral City 167 Riverside Outside TUMF Zones Cathedral City 168 Riverside Outside TUMF Zones Cathedral City	755 Riverside Outside TUMF Zones Indio 756 Riverside Outside TUMF Zones Indio 757 Riverside Outside TUMF Zones Indio 757 Riverside Outside TUMF Zones Indio	1677 Riverside Outside TUMF Zones Palm Desert 1678 Riverside Outside TUMF Zones Palm Desert 1679 Riverside Outside TUMF Zones Palm Desert	2576 Riverside Outside TUMF Zones Unincorporated 2577 Riverside Outside TUMF Zones Unincorporated 2578 Riverside Outside TUMF Zones Unincorporated Unincorporated Unincorporated
168 Riverside Outside TUMF Zones Cathedral City 169 Riverside Outside TUMF Zones Cathedral City 170 Riverside Outside TUMF Zones Cathedral City	758 Riverside Outside TUMF Zones Indio 759 Riverside Outside TUMF Zones Indio 760 Riverside Outside TUMF Zones Indio	1680 Riverside Outside TUMF Zones Palm Desert 1681 Riverside Outside TUMF Zones Palm Desert 1682 Riverside Outside TUMF Zones Palm Desert	2579 Riverside Outside TUMF Zones Unincorporated 2580 Riverside Outside TUMF Zones Unincorporated 2581 Riverside Outside TUMF Zones Unincorporated
171 Riverside Outside TUMF Zones Cathedral City 172 Riverside Outside TUMF Zones Cathedral City 173 Riverside Outside TUMF Zones Cathedral City 174 Riverside Outside TUMF Zones Cathedral City	761 Riverside Outside TUMF Zones Indio 762 Riverside Outside TUMF Zones Indio 763 Riverside Outside TUMF Zones Indio 764 Riverside Outside TUMF Zones Indio	1683 Riverside Outside TUMF Zones Palm Desert 1684 Riverside Outside TUMF Zones Palm Desert 1685 Riverside Outside TUMF Zones Palm Desert 1686 Riverside Outside TUMF Zones Palm Desert	2608 Riverside Outside TUMF Zones Unincorporated 2609 Riverside Outside TUMF Zones Unincorporated 2610 Riverside Outside TUMF Zones Unincorporated 2611 Riverside Outside TUMF Zones Unincorporated
175 Riverside Outside TUMF Zones Cathedral City 176 Riverside Outside TUMF Zones Cathedral City 177 Riverside Outside TUMF Zones Cathedral City 178 Riverside Outside TUMF Zones Cathedral City	765 Riverside Outside TUMF Zones Indio 766 Riverside Outside TUMF Zones Indio 767 Riverside Outside TUMF Zones Indio	1687 Riverside Outside TUMF Zones Palm Desert 1688 Riverside Outside TUMF Zones Palm Desert 1689 Riverside Outside TUMF Zones Palm Desert	2612 Riverside Outside TUMF Zones Unincorporated 2613 Riverside Outside TUMF Zones Unincorporated 2614 Riverside Outside TUMF Zones Unincorporated 2614 Riverside Outside TUMF Zones Unincorporated
178 Riverside Outside TUMF Zones Cathedral City 179 Riverside Outside TUMF Zones Cathedral City 180 Riverside Outside TUMF Zones Cathedral City	768 Riverside Outside TUMF Zones Indio 769 Riverside Outside TUMF Zones Indio 770 Riverside Outside TUMF Zones Indio	1690 Riverside Outside TUMF Zones Palm Desert 1691 Riverside Outside TUMF Zones Palm Desert 1692 Riverside Outside TUMF Zones Palm Springs	2615 Riverside Outside TUMF Zones Unincorporated 2616 Riverside Outside TUMF Zones Unincorporated 2617 Riverside Outside TUMF Zones Unincorporated
181 Riverside Outside TUMF Zones Cathedral City 182 Riverside Outside TUMF Zones Cathedral City 183 Riverside Outside TUMF Zones Cathedral City 184 Riverside Outside TUMF Zones Cathedral City	771 Riverside Outside TUMF Zones Indio 772 Riverside Outside TUMF Zones Indio 773 Riverside Outside TUMF Zones Indio 774 Riverside Outside TUMF Zones Indio	1693 Riverside Outside TUMF Zones Palm Springs 1694 Riverside Outside TUMF Zones Palm Springs 1695 Riverside Outside TUMF Zones Palm Springs 1696 Riverside Outside TUMF Zones Palm Springs	2618 Riverside Outside TUMF Zones Unincorporated 2619 Riverside Outside TUMF Zones Unincorporated 2620 Riverside Outside TUMF Zones Unincorporated 2621 Riverside Outside TUMF Zones Unincorporated
185 Riverside Outside TUMF Zones Cathedral City 186 Riverside Outside TUMF Zones Cathedral City 187 Riverside Outside TUMF Zones Cathedral City	775 Riverside Outside TUMF Zones Indio 776 Riverside Outside TUMF Zones Indio 777 Riverside Outside TUMF Zones Indio	1697 Riverside Outside TUMF Zones Palm Springs 1698 Riverside Outside TUMF Zones Palm Springs 1699 Riverside Outside TUMF Zones Palm Springs	2622 Riverside Outside TUMF Zones Unincorporated 2623 Riverside Outside TUMF Zones Unincorporated 2624 Riverside Outside TUMF Zones Unincorporated
188 Riverside Outside TUMF Zones Cathedral City 189 Riverside Outside TUMF Zones Cathedral City 190 Riverside Outside TUMF Zones Cathedral City 191 Riverside Outside TUMF Zones Cathedral City	778 Riverside Outside TUMF Zones Indio 779 Riverside Outside TUMF Zones Indio 780 Riverside Outside TUMF Zones Indio 781 Riverside Outside TUMF Zones Indio	1700 Riverside Outside TUMF Zones Palm Springs 1701 Riverside Outside TUMF Zones Palm Springs 1702 Riverside Outside TUMF Zones Palm Springs 1703 Riverside Outside TUMF Zones Palm Springs	2636 Riverside Outside TUMF Zones Unincorporated 2637 Riverside Outside TUMF Zones Unincorporated 2918 Riverside Outside TUMF Zones Unincorporated 2923 Riverside Outside TUMF Zones Unincorporated
192 Riverside Outside TUMF Zones Cathedral City 193 Riverside Outside TUMF Zones Cathedral City 194 Riverside Outside TUMF Zones Cathedral City 195 Cathedral City	782 Riverside Outside TUMF Zones Indio 783 Riverside Outside TUMF Zones Indio 784 Riverside Outside TUMF Zones Indio	1704 Riverside Outside TUMF Zones Palm Springs 1705 Riverside Outside TUMF Zones Palm Springs 1706 Riverside Outside TUMF Zones Palm Springs	2924 Riverside Outside TUMF Zones Unincorporated 2925 Riverside Outside TUMF Zones Unincorporated 2926 Riverside Outside TUMF Zones Unincorporated 2926 Riverside Outside TUMF Zones Unincorporated
195 Riverside Outside TUMF Zones Cathedral City 196 Riverside Outside TUMF Zones Cathedral City 197 Riverside Outside TUMF Zones Cathedral City	785 Riverside Outside TUMF Zones Indio 786 Riverside Outside TUMF Zones Indio 787 Riverside Outside TUMF Zones Indio	1707 Riverside Outside TUMF Zones Palm Springs 1708 Riverside Outside TUMF Zones Palm Springs 1709 Riverside Outside TUMF Zones Palm Springs	2928 Riverside Outside TUMF Zones Unincorporated 2929 Riverside Outside TUMF Zones Unincorporated 2930 Riverside Outside TUMF Zones Unincorporated
198 Riverside Outside TUMF Zones Cathedral City 199 Riverside Outside TUMF Zones Cathedral City 200 Riverside Outside TUMF Zones Cathedral City 201 Riverside Outside TUMF Zones Cathedral City	788 Riverside Outside TUMF Zones Indio 789 Riverside Outside TUMF Zones Indio 790 Riverside Outside TUMF Zones Indio 791 Riverside Outside TUMF Zones Indio	1710 Riverside Outside TUMF Zones Palm Springs 1711 Riverside Outside TUMF Zones Palm Springs 1712 Riverside Outside TUMF Zones Palm Springs 1713 Riverside Outside TUMF Zones Palm Springs	2931 Riverside Outside TUMF Zones Unincorporated 2932 Riverside Outside TUMF Zones Unincorporated 2933 Riverside Outside TUMF Zones Unincorporated 2933 Riverside Outside TUMF Zones Unincorporated
202 Riverside Outside TUMF Zones Cathedral City 203 Riverside Outside TUMF Zones Cathedral City 204 Riverside Outside TUMF Zones Cathedral City 204 Riverside Outside TUMF Zones Cathedral City	792 Riverside Outside TUMF Zones Indio 793 Riverside Outside TUMF Zones Indio 794 Riverside Outside TUMF Zones Indio	1714 Riverside Outside TUMF Zones Palm Springs 1715 Riverside Outside TUMF Zones Palm Springs 1716 Riverside Outside TUMF Zones Palm Springs	2954 Riverside Outside TUMF Zones Unincorporated 2955 Riverside Outside TUMF Zones Unincorporated 2956 Riverside Outside TUMF Zones Unincorporated 2956 Riverside Outside TUMF Zones Unincorporated
205 Riverside Outside TUMF Zones Cathedral City 206 Riverside Outside TUMF Zones Cathedral City 207 Riverside Outside TUMF Zones Cathedral City 208 Riverside Outside TUMF Zones Cathedral City	795 Riverside Outside TUMF Zones Indio 796 Riverside Outside TUMF Zones Indio 797 Riverside Outside TUMF Zones Indio 798 Riverside Outside TUMF Zones Indio	1717 Riverside Outside TUMF Zones Palm Springs 1718 Riverside Outside TUMF Zones Palm Springs 1719 Riverside Outside TUMF Zones Palm Springs 1700 Riverside Outside TUMF Zones Palm Springs	2957 Riverside Outside TUMF Zones Unincorporated 2958 Riverside Outside TUMF Zones Unincorporated 2959 Riverside Outside TUMF Zones Unincorporated 2007 Riverside Outside TUMF Zones Unincorporated
208 Riverside Outside TUMF Zones Cathedral City 209 Riverside Outside TUMF Zones Cathedral City 210 Riverside Outside TUMF Zones Cathedral City 211 Riverside Outside TUMF Zones Cathedral City	798 Riverside Outside TUMF Zones Indio 799 Riverside Outside TUMF Zones Indio 800 Riverside Outside TUMF Zones Indio 801 Riverside Outside TUMF Zones Indio	1720 Riverside Outside TUMF Zones Palm Springs 1721 Riverside Outside TUMF Zones Palm Springs 1722 Riverside Outside TUMF Zones Palm Springs 1723 Riverside Outside TUMF Zones Palm Springs	2960 Riverside Outside TUMF Zones Unincorporated 2961 Riverside Outside TUMF Zones Unincorporated 2962 Riverside Outside TUMF Zones Unincorporated 2963 Riverside Outside TUMF Zones Unincorporated 2963 Riverside Outside TUMF Zones Unincorporated
212 Riverside Outside TUMF Zones Cathedral City 213 Riverside Outside TUMF Zones Cathedral City 214 Riverside Outside TUMF Zones Cathedral City	802 Riverside Outside TUMF Zones Indio 803 Riverside Outside TUMF Zones Indio 804 Riverside Outside TUMF Zones Indio	1724 Riverside Outside TUMF Zones Palm Springs 1725 Riverside Outside TUMF Zones Palm Springs 1726 Riverside Outside TUMF Zones Palm Springs	2964 Riverside Outside TUMF Zones Unincorporated 2965 Riverside Outside TUMF Zones Unincorporated 2966 Riverside Outside TUMF Zones Unincorporated
215 Riverside Outside TUMF Zones Cathedral City 216 Riverside Outside TUMF Zones Cathedral City 217 Riverside Outside TUMF Zones Cathedral City 218 Riverside Outside TUMF Zones Cathedral City	805 Riverside Outside TUMF Zones Indio 806 Riverside Outside TUMF Zones Indio 807 Riverside Outside TUMF Zones Indio 808 Riverside Outside TUMF Zones Indio	1727 Riverside Outside TUMF Zones Palm Springs 1728 Riverside Outside TUMF Zones Palm Springs 1729 Riverside Outside TUMF Zones Palm Springs 1730 Riverside Outside TUMF Zones Palm Springs	2967 Riverside Outside TUMF Zones Unincorporated 2968 Riverside Outside TUMF Zones Unincorporated 2969 Riverside Outside TUMF Zones Unincorporated 2970 Riverside Outside TUMF Zones Unincorporated
219 Riverside Outside TUMF Zones Cathedral City 220 Riverside Outside TUMF Zones Cathedral City 221 Riverside Outside TUMF Zones Cathedral City 221 Riverside Outside TUMF Zones Cathedral City	809 Riverside Outside TUMF Zones Indio 810 Riverside Outside TUMF Zones Indio 811 Riverside Outside TUMF Zones Indio	1731 Riverside Outside TUMF Zones Palm Springs 1732 Riverside Outside TUMF Zones Palm Springs 1733 Riverside Outside TUMF Zones Palm Springs	2971 Riverside Outside TUMF Zones Unincorporated 2972 Riverside Outside TUMF Zones Unincorporated 2973 Riverside Outside TUMF Zones Unincorporated
222 Riverside Outside TUMF Zones Cathedral City 223 Riverside Outside TUMF Zones Cathedral City 224 Riverside Outside TUMF Zones Cathedral City	812 Riverside Outside TUMF Zones Indio 813 Riverside Outside TUMF Zones Indio 814 Riverside Outside TUMF Zones Indio	1734 Riverside Outside TUMF Zones Polm Springs 1735 Riverside Outside TUMF Zones Polm Springs 1736 Riverside Outside TUMF Zones Polm Springs	2974 Riverside Outside TUMF Zones Unincorporated 2975 Riverside Outside TUMF Zones Unincorporated 2976 Riverside Outside TUMF Zones Unincorporated
225 Riverside Outside TUMF Zones Cathedral City 226 Riverside Outside TUMF Zones Cathedral City 227 Riverside Outside TUMF Zones Cathedral City 228 Riverside Outside TUMF Zones Cathedral City	815 Riverside Outside TUMF Zones Indio 816 Riverside Outside TUMF Zones Indio 817 Riverside Outside TUMF Zones Indio 818 Riverside Outside TUMF Zones Indio	1737 Riverside Outside TUMF Zones Palm Springs 1738 Riverside Outside TUMF Zones Palm Springs 1739 Riverside Outside TUMF Zones Palm Springs 1740 Riverside Outside TUMF Zones Palm Springs	2977 Riverside Outside TUMF Zones Unincorporated 2978 Riverside Outside TUMF Zones Unincorporated 2979 Riverside Outside TUMF Zones Unincorporated 2980 Riverside Outside TUMF Zones Unincorporated
229 Riverside Outside TUMF Zones Cathedral City 230 Riverside Outside TUMF Zones Cathedral City 231 Riverside Outside TUMF Zones Cathedral City	819 Riverside Outside TUMF Zones Indio 820 Riverside Outside TUMF Zones Indio 821 Riverside Outside TUMF Zones Indio	1741 Riverside Outside TUMF Zones Palm Springs 1742 Riverside Outside TUMF Zones Palm Springs 1743 Riverside Outside TUMF Zones Palm Springs	2981 Riverside Outside TUMF Zones Unincorporated 2982 Riverside Outside TUMF Zones Unincorporated 2983 Riverside Outside TUMF Zones Unincorporated
232 Riverside Outside TUMF Zones Cathedral City 233 Riverside Outside TUMF Zones Cathedral City 234 Riverside Outside TUMF Zones Cathedral City	822 Riverside Outside TUMF Zones Indio 823 Riverside Outside TUMF Zones Indio 824 Riverside Outside TUMF Zones Indio	1744 Riverside Outside TUMF Zones Palm Springs 1745 Riverside Outside TUMF Zones Palm Springs 1746 Riverside Outside TUMF Zones Palm Springs	2984 Riverside Outside TUMF Zones Unincorporated 2985 Riverside Outside TUMF Zones Unincorporated 2986 Riverside Outside TUMF Zones Unincorporated
235 Riverside Outside TUMF Zones Cathedral City 236 Riverside Outside TUMF Zones Cathedral City 237 Riverside Outside TUMF Zones Cathedral City 238 Riverside Outside TUMF Zones Cathedral City	826 Riverside Outside TUMF Zones Indio 827 Riverside Outside TUMF Zones Indio 828 Riverside Outside TUMF Zones Indio	1747 Riverside Outside TUMF Zones Palm Springs 1748 Riverside Outside TUMF Zones Palm Springs 1749 Riverside Outside TUMF Zones Palm Springs 1750 Riverside Outside TUMF Zones Palm Springs	2987 Riverside Outside TUMF Zones Unincorporated 2988 Riverside Outside TUMF Zones Unincorporated 2989 Riverside Outside TUMF Zones Unincorporated 2990 Riverside Outside TUMF Zones Unincorporated
239 Riverside Outside TUMF Zones Cathedral City 240 Riverside Outside TUMF Zones Cathedral City 241 Riverside Outside TUMF Zones Coachella	829 Riverside Outside TUMF Zones Indio 830 Riverside Outside TUMF Zones Indio 831 Riverside Outside TUMF Zones Indio	1751 Riverside Outside TUMF Zones Palm Springs 1752 Riverside Outside TUMF Zones Palm Springs 1753 Riverside Outside TUMF Zones Palm Springs	2991 Riverside Outside TUMF Zones Unincorporated 2992 Riverside Outside TUMF Zones Unincorporated 2993 Riverside Outside TUMF Zones Unincorporated
242 Riverside Outside TUMF Zones Coachella 243 Riverside Outside TUMF Zones Coachella 244 Riverside Outside TUMF Zones Coachella 245 Riverside Outside TUMF Zones Coachella	832 Riverside Outside TUMF Zones Indio 833 Riverside Outside TUMF Zones Indio 834 Riverside Outside TUMF Zones Indio 835 Riverside Outside TUMF Zones Indio	1754 Riverside Outside TUMF Zones Palm Springs 1755 Riverside Outside TUMF Zones Palm Springs 1756 Riverside Outside TUMF Zones Palm Springs 1757 Riverside Outside TUMF Zones Palm Springs	2994 Riverside Outside TUMF Zones Unincorporated 2995 Riverside Outside TUMF Zones Unincorporated 2996 Riverside Outside TUMF Zones Unincorporated 2997 Riverside Outside TUMF Zones Unincorporated 2997 Riverside Outside TUMF Zones Unincorporated
246 Riverside Outside TUMF Zones Coachella 247 Riverside Outside TUMF Zones Coachella 248 Riverside Outside TUMF Zones Coachella 248 Riverside Outside TUMF Zones Coachella	836 Riverside Outside TUMF Zones Indio 837 Riverside Outside TUMF Zones Indio 838 Riverside Outside TUMF Zones Indio	1758 Riverside Outside TUMF Zones Palm Springs 1759 Riverside Outside TUMF Zones Palm Springs 1760 Riverside Outside TUMF Zones Palm Springs	2998 Riverside Outside TUMF Zones Unincorporated 2999 Riverside Outside TUMF Zones Unincorporated 3000 Riverside Outside TUMF Zones Unincorporated Unincorporated
249 Riverside Outside TUMF Zones (Coachella 250 Riverside Outside TUMF Zones (Coachella 251 Riverside Outside TUMF Zones (Coachella	839 Riverside Outside TUMF Zones Indio 840 Riverside Outside TUMF Zones Indio 841 Riverside Outside TUMF Zones Indio	1761 Riverside Outside TUMF Zones Palm Springs 1762 Riverside Outside TUMF Zones Palm Springs 1763 Riverside Outside TUMF Zones Palm Springs	3001 Riverside Outside TUMF Zones Unincorporated 3002 Riverside Outside TUMF Zones Unincorporated 3003 Riverside Outside TUMF Zones Unincorporated
252 Riverside Outside TUMF Zones Coachella 253 Riverside Outside TUMF Zones Coachella 254 Riverside Outside TUMF Zones Coachella 255 Riverside Outside TUMF Zones Coachella	904 Riverside Outside TUMF Zones La Quinta 905 Riverside Outside TUMF Zones La Quinta 906 Riverside Outside TUMF Zones La Quinta 907 Riverside Outside TUMF Zones La Quinta	1764 Riverside Outside TUMF Zones Palm Springs 1765 Riverside Outside TUMF Zones Palm Springs 1766 Riverside Outside TUMF Zones Palm Springs 1767 Riverside Outside TUMF Zones Palm Springs	3004 Riverside Outside TUMF Zones Unincorporated 3005 Riverside Outside TUMF Zones Unincorporated 3006 Riverside Outside TUMF Zones Unincorporated 3007 Riverside Outside TUMF Zones Unincorporated
256 Riverside Outside TUMF Zones Coachella 257 Riverside Outside TUMF Zones Coachella 258 Riverside Outside TUMF Zones Coachella	908 Riverside Outside TUMF Zones La Quinta 909 Riverside Outside TUMF Zones La Quinta 910 Riverside Outside TUMF Zones La Quinta	1768 Riverside Outside TUMF Zones Palm Springs 1769 Riverside Outside TUMF Zones Palm Springs 1770 Riverside Outside TUMF Zones Palm Springs	3008 Riverside Outside TUMF Zones Unincorporated 3009 Riverside Outside TUMF Zones Unincorporated 3010 Riverside Outside TUMF Zones Unincorporated
259 Riverside Outside TUMF Zones Coachella 260 Riverside Outside TUMF Zones Coachella 261 Riverside Outside TUMF Zones Coachella 262 Riverside Outside TUMF Zones Coachella	911 Riverside Outside TUMF Zones La Quinta 912 Riverside Outside TUMF Zones La Quinta 913 Riverside Outside TUMF Zones La Quinta 914 Riverside Outside TUMF Zones La Quinta	1771 Riverside Outside TUMF Zones Palm Springs 1772 Riverside Outside TUMF Zones Palm Springs 1773 Riverside Outside TUMF Zones Palm Springs 1774 Riverside Outside TUMF Zones Palm Springs	3011 Riverside Outside TUMF Zones Unincorporated 3012 Riverside Outside TUMF Zones Unincorporated 3013 Riverside Outside TUMF Zones Unincorporated 3014 Riverside Outside TUMF Zones Unincorporated
263 Riverside Outside TUMF Zones Coachella 264 Riverside Outside TUMF Zones Coachella 265 Riverside Outside TUMF Zones Coachella 265 Riverside Outside TUMF Zones Coachella	915 Riverside Outside TUMF Zones La Quinta 916 Riverside Outside TUMF Zones La Quinta 917 Riverside Outside TUMF Zones La Quinta	1775 Riverside Outside TUMF Zones Palm Springs 1776 Riverside Outside TUMF Zones Palm Springs 1777 Riverside Outside TUMF Zones Palm Springs	3015 Riverside Outside TUMF Zones Unincorporated 3016 Riverside Outside TUMF Zones Unincorporated 3017 Riverside Outside TUMF Zones Unincorporated 3017 Riverside Outside TUMF Zones Unincorporated
266 Riverside Outside TUMF Zones Coachella 267 Riverside Outside TUMF Zones Coachella 268 Riverside Outside TUMF Zones Coachella	918 Riverside Outside TUMF Zones La Quinta 919 Riverside Outside TUMF Zones La Quinta 920 Riverside Outside TUMF Zones La Quinta	1778 Riverside Outside TUMF Zones Palm Springs 1779 Riverside Outside TUMF Zones Palm Springs 1780 Riverside Outside TUMF Zones Palm Springs	3018 Riverside Outside TUMF Zones Unincorporated 3019 Riverside Outside TUMF Zones Unincorporated 3020 Riverside Outside TUMF Zones Unincorporated
269 Riverside Outside TUMF Zones Coachella 270 Riverside Outside TUMF Zones Coachella 271 Riverside Outside TUMF Zones Coachella 272 Riverside Outside TUMF Zones Coachella	921 Riverside Outside TUMF Zones La Quinta 922 Riverside Outside TUMF Zones La Quinta 923 Riverside Outside TUMF Zones La Quinta 924 Riverside Outside TUMF Zones La Quinta	1781 Riverside Outside TUMF Zones Palm Springs 1782 Riverside Outside TUMF Zones Palm Springs 1783 Riverside Outside TUMF Zones Palm Springs 1784 Riverside Outside TUMF Zones Palm Springs	3021 Riverside Outside TUMF Zones Unincorporated 3022 Riverside Outside TUMF Zones Unincorporated 3023 Riverside Outside TUMF Zones Unincorporated 3024 Riverside Outside TUMF Zones Unincorporated
273 Riverside Outside TUMF Zones Coachella 274 Riverside Outside TUMF Zones Coachella 275 Riverside Outside TUMF Zones Coachella	925 Riverside Outside TUMF Zones La Quinta 926 Riverside Outside TUMF Zones La Quinta 927 Riverside Outside TUMF Zones La Quinta	1785 Riverside Outside TUMF Zones Palm Springs 1786 Riverside Outside TUMF Zones Palm Springs 1787 Riverside Outside TUMF Zones Palm Springs	3025 Riverside Outside TUMF Zones Unincorporated 3026 Riverside Outside TUMF Zones Unincorporated 3027 Riverside Outside TUMF Zones Unincorporated
276 Riverside Outside TUMF Zones Coachella 277 Riverside Outside TUMF Zones Coachella 278 Riverside Outside TUMF Zones Coachella 279 Riverside Outside TUMF Zones Coachella	928 Riverside Outside TUMF Zones La Quinta 929 Riverside Outside TUMF Zones La Quinta 930 Riverside Outside TUMF Zones La Quinta 931 Riverside Outside TUMF Zones La Quinta	1788 Riverside Outside TUMF Zones Palm Springs 1789 Riverside Outside TUMF Zones Palm Springs 1790 Riverside Outside TUMF Zones Palm Springs 1791 Riverside Outside TUMF Zones Palm Springs	3028 Riverside Outside TUMF Zones Unincorporated 3029 Riverside Outside TUMF Zones Unincorporated 3030 Riverside Outside TUMF Zones Unincorporated 3031 Riverside Outside TUMF Zones Unincorporated
279 Riverside Outside TUMF Zones Coachella 280 Riverside Outside TUMF Zones Coachella 281 Riverside Outside TUMF Zones Coachella 282 Riverside Outside TUMF Zones Coachella	931 Riverside Outside TUMF Zones La Quinta 932 Riverside Outside TUMF Zones La Quinta 933 Riverside Outside TUMF Zones La Quinta 934 Riverside Outside TUMF Zones La Quinta	1791 Riverside Outside TUMF Zones Palm Springs 1792 Riverside Outside TUMF Zones Palm Springs 1880 Riverside Outside TUMF Zones Rancho Mirage 1881 Riverside Outside TUMF Zones Rancho Mirage	3031 Riverside Outside TUMF Zones Unincorporated 3032 Riverside Outside TUMF Zones Unincorporated 3033 Riverside Outside TUMF Zones Unincorporated 3034 Riverside Outside TUMF Zones Unincorporated
283 Riverside Outside TUMF Zones Coachella 284 Riverside Outside TUMF Zones Coachella 285 Riverside Outside TUMF Zones Coachella	935 Riverside Outside TUMF Zones La Quinta 936 Riverside Outside TUMF Zones La Quinta 937 Riverside Outside TUMF Zones La Quinta	1882 Riverside Outside TUMF Zones Rancho Mirage 1883 Riverside Outside TUMF Zones Rancho Mirage 1884 Riverside Outside TUMF Zones Rancho Mirage	3035 Riverside Outside TUMF Zones Unincorporated 3036 Riverside Outside TUMF Zones Unincorporated 3037 Riverside Outside TUMF Zones Unincorporated
286 Riverside Outside TUMF Zones Coachella 287 Riverside Outside TUMF Zones Coachella 288 Riverside Outside TUMF Zones Coachella 289 Riverside Outside TUMF Zones Coachella	1569 Riverside Outside TUMF Zones Palm Desert 1570 Riverside Outside TUMF Zones Palm Desert 1571 Riverside Outside TUMF Zones Palm Desert 1572 Riverside Outside TUMF Zones Palm Desert	1885 Riverside Outside TUMF Zones Rancho Mirage 1886 Riverside Outside TUMF Zones Rancho Mirage 1887 Riverside Outside TUMF Zones Rancho Mirage 1888 Riverside Outside TUMF Zones Rancho Mirage	3038 Riverside Outside TUMF Zones Unincorporated 3039 Riverside Outside TUMF Zones Unincorporated 3040 Riverside Outside TUMF Zones Unincorporated 3041 Riverside Outside TUMF Zones Unincorporated
290 Riverside Outside TUMF Zones Coachella 291 Riverside Outside TUMF Zones Coachella 292 Riverside Outside TUMF Zones Coachella	1573 Riverside Outside TUMF Zones Palm Desert 1574 Riverside Outside TUMF Zones Palm Desert 1575 Riverside Outside TUMF Zones Palm Desert	1889 Riverside Outside TUMF Zones Rancho Mirage 1890 Riverside Outside TUMF Zones Rancho Mirage 1891 Riverside Outside TUMF Zones Rancho Mirage	3043 Riverside Outside TUMF Zones Unincorporated 3044 Riverside Outside TUMF Zones Unincorporated 3045 Riverside Outside TUMF Zones Unincorporated
293 Riverside Outside TUMF Zones Coachella 294 Riverside Outside TUMF Zones Coachella 295 Riverside Outside TUMF Zones Coachella 296 Riverside Outside TUMF Zones Coachella	1576 Riverside Outside TUMF Zones Palm Desert 1577 Riverside Outside TUMF Zones Palm Desert 1578 Riverside Outside TUMF Zones Palm Desert 1579 Riverside Outside TUMF Zones Palm Desert	1892 Riverside Outside TUMF Zones Rancho Mirage 1893 Riverside Outside TUMF Zones Rancho Mirage 1894 Riverside Outside TUMF Zones Rancho Mirage 1895 Riverside Outside TUMF Zones Rancho Mirage	3046 Riverside Outside TUMF Zones Unincorporated 3047 Riverside Outside TUMF Zones Unincorporated 3048 Riverside Outside TUMF Zones Unincorporated 3049 Riverside Outside TUMF Zones Unincorporated
297 Riverside Outside TUMF Zones Coachella 298 Riverside Outside TUMF Zones Coachella 299 Riverside Outside TUMF Zones Coachella	1580 Riverside Outside TUMF Zones Palm Desert 1581 Riverside Outside TUMF Zones Palm Desert 1582 Riverside Outside TUMF Zones Palm Desert	1896 Riverside Outside TUMF Zones Rancho Mirage 1897 Riverside Outside TUMF Zones Rancho Mirage 1898 Riverside Outside TUMF Zones Rancho Mirage	3050 Riverside Outside TUMF Zones Unincorporated 3051 Riverside Outside TUMF Zones Unincorporated 3052 Riverside Outside TUMF Zones Unincorporated
300 Riverside Outside TUMF Zones Coachella 301 Riverside Outside TUMF Zones Coachella 302 Riverside Outside TUMF Zones Coachella 303 Riverside Outside TUMF Zones Coachella	1583 Riverside Outside TUMF Zones Palm Desert 1584 Riverside Outside TUMF Zones Palm Desert 1585 Riverside Outside TUMF Zones Palm Desert 1586 Riverside Outside TUMF Zones Palm Desert	1899 Riverside Outside TUMF Zones Rancho Mirage 1900 Riverside Outside TUMF Zones Rancho Mirage 1901 Riverside Outside TUMF Zones Rancho Mirage 1902 Riverside Outside TUMF Zones Rancho Mirage	3053 Riverside Outside TUMF Zones Unincorporated 3054 Riverside Outside TUMF Zones Unincorporated 3055 Riverside Outside TUMF Zones Unincorporated 3055 Riverside Outside TUMF Zones Unincorporated
304 Riverside Outside TUMF Zones Coachella 305 Riverside Outside TUMF Zones Coachella 306 Riverside Outside TUMF Zones Coachella 306 Riverside Outside TUMF Zones Coachella	1587 Riverside Outside TUMF Zones Palm Desert 1588 Riverside Outside TUMF Zones Palm Desert 1589 Riverside Outside TUMF Zones Palm Desert	1903 Riverside Outside TUMF Zones Rancho Mirage 1904 Riverside Outside TUMF Zones Rancho Mirage 1905 Riverside Outside TUMF Zones Rancho Mirage	3057 Riverside Outside TUMF Zones Unincorporated 3058 Riverside Outside TUMF Zones Unincorporated 3059 Riverside Outside TUMF Zones Unincorporated Unincorporated
307 Riverside Outside TUMF Zones Coachella 308 Riverside Outside TUMF Zones Coachella 309 Riverside Outside TUMF Zones Coachella 310 Riverside Outside TUMF Zones Coachella	1590 Riverside Outside TUMF Zones Palm Desert 1591 Riverside Outside TUMF Zones Palm Desert 1592 Riverside Outside TUMF Zones Palm Desert 1593 Riverside Outside TUMF Zones Palm Desert	1906 Riverside Outside TUMF Zones Rancho Mirage 1907 Riverside Outside TUMF Zones Rancho Mirage 1908 Riverside Outside TUMF Zones Rancho Mirage 1909 Riverside Outside TUMF Zones Rancho Mirage	3060 Riverside Outside TUMF Zones Unincorporated 3061 Riverside Outside TUMF Zones Unincorporated 3062 Riverside Outside TUMF Zones Unincorporated 3063 Riverside Outside TUMF Zones Unincorporated
311 Riverside Outside TUMF Zones Coachella 312 Riverside Outside TUMF Zones Coachella 313 Riverside Outside TUMF Zones Coachella 313 Riverside Outside TUMF Zones Coachella	1595 Riverside Outside TUMF Zones Palm Desert 1595 Riverside Outside TUMF Zones Palm Desert 1596 Riverside Outside TUMF Zones Palm Desert 1596 Riverside Outside TUMF Zones Palm Desert	2366 Riverside Outside TUMF Zones Unincorporated 2367 Riverside Outside TUMF Zones Unincorporated 2368 Riverside Outside TUMF Zones Unincorporated 2368 Riverside Outside TUMF Zones Unincorporated	3064 Riverside Outside TUMF Zones Unincorporated 3065 Riverside Outside TUMF Zones Unincorporated 3066 Riverside Outside TUMF Zones Unincorporated
314 Riverside Outside TUMF Zones Coachella 315 Riverside Outside TUMF Zones Coachella 316 Riverside Outside TUMF Zones Coachella 317 Riverside Outside TUMF Zones Coachella	1597 Riverside Outside TUMF Zones Palm Desert 1598 Riverside Outside TUMF Zones Palm Desert 1509 Riverside Outside TUMF Zones Palm Desert 1500 Riverside Outside TUMF Zones Palm Desert	2369 Riverside Outside TUMF Zones Unincorporated 2415 Riverside Outside TUMF Zones Unincorporated 2416 Riverside Outside TUMF Zones Unincorporated 2417 Riverside Outside TUMF Zones Unincorporated	3067 Riverside Outside TUMF Zones Unincorporated 3068 Riverside Outside TUMF Zones Unincorporated 3069 Riverside Outside TUMF Zones Unincorporated 3070 Riverside Outside TUMF Zones Unincorporated
318 Riverside Outside TUMF Zones Coachella 319 Riverside Outside TUMF Zones Coachella 320 Riverside Outside TUMF Zones Coachella	1601 Riverside Outside TUMF Zones Palm Desert 1602 Riverside Outside TUMF Zones Palm Desert 1603 Riverside Outside TUMF Zones Palm Desert	2418 Riverside Outside TUMF Zones Unincorporated 2419 Riverside Outside TUMF Zones Unincorporated 2420 Riverside Outside TUMF Zones Unincorporated	3071 Riverside Outside TUMF Zones Unincorporated 3072 Riverside Outside TUMF Zones Unincorporated 3073 Riverside Outside TUMF Zones Unincorporated
321 Riverside Outside TUMF Zones Coachella 322 Riverside Outside TUMF Zones Coachella 323 Riverside Outside TUMF Zones Coachella	1604 Riverside Outside TUMF Zones Palm Desert 1605 Riverside Outside TUMF Zones Palm Desert 1606 Riverside Outside TUMF Zones Palm Desert	2421 Riverside Outside TUMF Zones Unincorporated 2430 Riverside Outside TUMF Zones Unincorporated 2431 Riverside Outside TUMF Zones Unincorporated	3074 Riverside Outside TUMF Zones Unincorporated 3075 Riverside Outside TUMF Zones Unincorporated 3076 Riverside Outside TUMF Zones Unincorporated
324 Riverside Outside TUMF Zones Coachella 325 Riverside Outside TUMF Zones Coachella 326 Riverside Outside TUMF Zones Coachella 327 Riverside Outside TUMF Zones Coachella	1607 Riverside Outside TUMF Zones Palm Desert 1608 Riverside Outside TUMF Zones Palm Desert 1609 Riverside Outside TUMF Zones Palm Desert 1610 Riverside Outside TUMF Zones Palm Desert	2432 Riverside Outside TUMF Zones Unincorporated 2433 Riverside Outside TUMF Zones Unincorporated 2434 Riverside Outside TUMF Zones Unincorporated 2435 Riverside Outside TUMF Zones Unincorporated	3077 Riverside Outside TUMF Zones Unincorporated 3078 Riverside Outside TUMF Zones Unincorporated 3079 Riverside Outside TUMF Zones Unincorporated 3080 Riverside Outside TUMF Zones Unincorporated
328 Riverside Outside TUMF Zones Coachella 329 Riverside Outside TUMF Zones Coachella 330 Riverside Outside TUMF Zones Coachella	1611 Riverside Outside TUMF Zones Palm Desert 1612 Riverside Outside TUMF Zones Palm Desert 1613 Riverside Outside TUMF Zones Palm Desert	2436 Riverside Outside TUMF Zones Unincorporated 2437 Riverside Outside TUMF Zones Unincorporated 2438 Riverside Outside TUMF Zones Unincorporated	3081 Riverside Outside TUMF Zones Unincorporated 3082 Riverside Outside TUMF Zones Unincorporated 3083 Riverside Outside TUMF Zones Unincorporated
331 Riverside Outside TUMF Zones Coochella 570 Riverside Outside TUMF Zones Desert Hot Springs 571 Riverside Outside TUMF Zones Desert Hot Springs 572 Riverside Outside TUMF Zones Desert Hot Springs	1614 Riverside Outside TUMF Zones Palm Desert 1615 Riverside Outside TUMF Zones Palm Desert 1616 Riverside Outside TUMF Zones Palm Desert 1617 Riverside Outside TUMF Zones Palm Desert	2439 Riverside Outside TUMF Zones Unincorporated 2440 Riverside Outside TUMF Zones Unincorporated 2441 Riverside Outside TUMF Zones Unincorporated 2442 Riverside Outside TUMF Zones Unincorporated 2442 Riverside Outside TUMF Zones Unincorporated	3084 Riverside Outside TUMF Zones Unincorporated 3085 Riverside Outside TUMF Zones Unincorporated 3086 Riverside Outside TUMF Zones Unincorporated 3087 Riverside Outside TUMF Zones Unincorporated
573 Riverside Outside TUMF Zones Desert Hot Springs 574 Riverside Outside TUMF Zones Desert Hot Springs 575 Riverside Outside TUMF Zones Desert Hot Springs	1618 Riverside Outside TUMF Zones Palm Desert 1619 Riverside Outside TUMF Zones Palm Desert 1620 Riverside Outside TUMF Zones Palm Desert	2443 Riverside Outside TUMF Zones Unincorporated 2444 Riverside Outside TUMF Zones Unincorporated 2445 Riverside Outside TUMF Zones Unincorporated	3088 Riverside Outside TUMF Zones Unincorporated 3089 Riverside Outside TUMF Zones Unincorporated 3090 Riverside Outside TUMF Zones Unincorporated
576 Riverside Outside TUMF Zones Desert Hot Springs 577 Riverside Outside TUMF Zones Desert Hot Springs 578 Riverside Outside TUMF Zones Desert Hot Springs	1621 Riverside Outside TUMF Zones Palm Desert 1622 Riverside Outside TUMF Zones Palm Desert 1623 Riverside Outside TUMF Zones Palm Desert	2446 Riverside Outside TUMF Zones Unincorporated 2447 Riverside Outside TUMF Zones Unincorporated 2448 Riverside Outside TUMF Zones Unincorporated 2449 Riverside Outside TUMF Zones Unincorporated	3107 Riverside Outside TUMF Zones Unincorporated 3139 Riverside Outside TUMF Zones Unincorporated 3140 Riverside Outside TUMF Zones Unincorporated
580 Riverside Outside TUMF Zones Desert Hot Springs 581 Riverside Outside TUMF Zones Desert Hot Springs 582 Riverside Outside TUMF Zones Desert Hot Springs	1625 Riverside Outside TUMF Zones Palm Desert 1626 Riverside Outside TUMF Zones Palm Desert 1627 Riverside Outside TUMF Zones Palm Desert	2450 Riverside Outside TUMF Zones Unincorporated 2451 Riverside Outside TUMF Zones Unincorporated 2452 Riverside Outside TUMF Zones Unincorporated	3142 Riverside Outside TUMF Zones Unincorporated 3143 Riverside Outside TUMF Zones Unincorporated 3144 Riverside Outside TUMF Zones Unincorporated
583 Riverside Outside TUMF Zones Desert Hot Springs 584 Riverside Outside TUMF Zones Desert Hot Springs 585 Riverside Outside TUMF Zones Desert Hot Springs	1628 Riverside Outside TUMF Zones Palm Desert 1629 Riverside Outside TUMF Zones Palm Desert 1630 Riverside Outside TUMF Zones Palm Desert	2453 Riverside Outside TUMF Zones Unincorporated Unincorporated Unincorporated Unincorporated Unincorporated Unincorporated Unincorporated	3151 Riverside Outside TUMF Zones Unincorporated 3153 Riverside Outside TUMF Zones Unincorporated 3154 Riverside Outside TUMF Zones Unincorporated
586 Riverside Outside TUMF Zones Desert Hot Springs 587 Riverside Outside TUMF Zones Desert Hot Springs 588 Riverside Outside TUMF Zones Desert Hot Springs 589 Riverside Outside TUMF Zones Desert Hot Springs	1631 Riverside Outside TUMF Zones Palm Desert 1632 Riverside Outside TUMF Zones Palm Desert 1633 Riverside Outside TUMF Zones Palm Desert 1634 Riverside Outside TUMF Zones Palm Desert	2456 Riverside Outside TUMF Zones Unincorporated 2457 Riverside Outside TUMF Zones Unincorporated 2458 Riverside Outside TUMF Zones Unincorporated 2459 Riverside Outside TUMF Zones Unincorporated	3155 Riverside Outside TUMF Zones Unincorporated 3162 Riverside Outside TUMF Zones Unincorporated 3163 Riverside Outside TUMF Zones Unincorporated 3165 Riverside Outside TUMF Zones Unincorporated
590 Riverside Outside TUMF Zones Desert Hot Springs 591 Riverside Outside TUMF Zones Desert Hot Springs 592 Riverside Outside TUMF Zones Desert Hot Springs	1635 Riverside Outside TUMF Zones Palm Desert 1636 Riverside Outside TUMF Zones Palm Desert 1637 Riverside Outside TUMF Zones Palm Desert	2460 Riverside Outside TUMF Zones Unincorporated 2461 Riverside Outside TUMF Zones Unincorporated 2462 Riverside Outside TUMF Zones Unincorporated 2462 Riverside Outside TUMF Zones Unincorporated	3166 Riverside Outside TUMF Zones Unincorporated 3167 Riverside Outside TUMF Zones Unincorporated 3168 Riverside Outside TUMF Zones Unincorporated
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EXHIBIT I-1 (confinued)
RivCoM TAZ Correspondence by WRCOG TUMF Zones - Outside Riverside County

TAZ	County	WRCOG Zone
3300	Orange	Outside TUMF Zones
3301	Orange	Outside TUMF Zones
3302	Orange	Outside TUMF Zones
3303	Orange	Outside TUMF Zones
3304	Orange	Outside TUMF Zones
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3384	San Bernardino	WRCOG Zone Outside TUMF Zones
3385	San Bernardino	Outside TUMF Zones
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3472	San Bernardino	Outside TUMF Zones
3473	San Bernardino	Outside TUMF Zones
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3475	San Bernardino	Outside TUMF Zones
3476	San Bernardino	Outside TUMF Zones
3477	San Bernardino	Outside TUMF Zones
3478 3479	San Bernardino San Bernardino	Outside TUMF Zones Outside TUMF Zones
3480	San Bernardino	Outside TUMF Zones
3481	San Bernardino	Outside TUMF Zones
3482	San Bernardino	Outside TUMF Zones

TAZ	County	WRCOG Zone
3370	San Diego	Outside TUMF Zones
3371	San Diego	Outside TUMF Zones
3372	San Diego	Outside TUMF Zones
3373	San Diego	Outside TUMF Zones
3374	San Diego	Outside TUMF Zones
3375	San Diego	Outside TUMF Zones
3376	San Diego	Outside TUMF Zones
3377	San Diego	Outside TUMF Zones
3378	San Diego	Outside TUMF Zones
3379	San Diego	Outside TUMF Zones
3380	San Diego	Outside TUMF Zones
3381	San Diego	Outside TUMF Zones
3382	San Diego	Outside TUMF Zones
3383	San Diego	Outside TUMF Zones

EXHIBIT I-2 - 2045 AM Peak Period Vehicle Trips by WRCOG Zone*

TO FROM	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	187,280	10,596	40,037	2,900	24,865	25,446	291,124
Hemet/San Jacinto	13,060	93,350	3,815	3,847	7,263	8,090	129,424
Northwest	26,655	1,189	333,593	1,239	4,956	86,710	454,342
Pass Area	3,663	3,372	2,768	49,166	402	14,458	73,828
Southwest	25,061	7,304	14,708	914	298,362	27,954	374,302
Outside WRCOG	15,413	3,353	86,546	11,208	14,949		131,469
TOTAL	271,131	119,163	481,467	69,274	350,797	162,658	1,454,490

^{*} Based on RIVCOM Year 2045 No-Build Scenario, February 2024

EXHIBIT I-3 - 2045 AM Peak Period Percent Vehicle Trips by WRCOG Zone*

TO FROM	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	64.3%	3.6%	13.8%	1.0%	8.5%	8.7%	100%
Hemet/San Jacinto	10.1%	72.1%	2.9%	3.0%	5.6%	6.3%	100%
Northwest	5.9%	0.3%	73.4%	0.3%	1.1%	19.1%	100%
Pass Area	5.0%	4.6%	3.7%	66.6%	0.5%	19.6%	100%
Southwest	6.7%	2.0%	3.9%	0.2%	79.7%	7.5%	100%

^{*} Based on RIVCOM Year 2045 No-Build Scenario, February 2024

EXHIBIT I-4 - 2045 PM Peak Period Vehicle Trips by WRCOG Zone*

TO FROM	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	230,328	12,878	49,743	3,401	30,237	32,112	358,698
Hemet/San Jacinto	16,341	115,656	4,833	4,586	8,818	9,988	160,221
Northwest	31,923	1,495	409,641	1,448	6,076	109,331	559,914
Pass Area	4,405	4,214	3,346	61,219	506	17,876	91,566
Southwest	30,752	8,928	18,144	1,062	368,893	34,759	462,537
Outside WRCOG	18,495	4,221	106,166	13,282	18,918		161,080
TOTAL	332,244	147,391	591,872	84,997	433,447	204,065	1,794,017

^{*} Based on RIVCOM Year 2045 No-Build Scenario, February 2024

EXHIBIT I-5 - 2045 PM Peak Period Percent Vehicle Trips by WRCOG Zone*

TO FROM	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	64.2%	3.6%	13.9%	0.9%	8.4%	9.0%	100%
Hemet/San Jacinto	10.2%	72.2%	3.0%	2.9%	5.5%	6.2%	100%
Northwest	5.7%	0.3%	73.2%	0.3%	1.1%	19.5%	100%
Pass Area	4.8%	4.6%	3.7%	66.9%	0.6%	19.5%	100%
Southwest	6.6%	1.9%	3.9%	0.2%	79.8%	7.5%	100%

^{*} Based on RIVCOM Year 2045 No-Build Scenario, February 2024

EXHIBIT I-6 - 2045 Off-Peak Period Vehicle Trips by WRCOG Zone*

TO FROM	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	313,691	17,511	64,577	3,948	39,446	41,718	480,890
Hemet/San Jacinto	21,579	162,035	5,659	6,318	10,987	11,533	218,110
Northwest	43,461	1,848	565,759	1,528	7,406	160,552	780,554
Pass Area	6,068	6,269	4,125	91,253	631	24,354	132,700
Southwest	40,442	11,861	22,506	1,132	508,327	40,698	624,964
Outside WRCOG	25,307	5,301	145,054	16,534	23,061		215,257
TOTAL	450,546	204,825	807,679	120,712	589,859	278,854	2,452,475

^{*} Based on RIVCOM Year 2045 No-Build Scenario, February 2024

Table I-7 - 2045 Off-Peak Period Percent Vehicle Trips by WRCOG Zone*

TO FROM	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	65.2%	3.6%	13.4%	0.8%	8.2%	8.7%	100%
Hemet/San Jacinto	9.9%	74.3%	2.6%	2.9%	5.0%	5.3%	100%
Northwest	5.6%	0.2%	72.5%	0.2%	0.9%	20.6%	100%
Pass Area	4.6%	4.7%	3.1%	68.8%	0.5%	18.4%	100%
Southwest	6.5%	1.9%	3.6%	0.2%	81.3%	6.5%	100%

^{*} Based on RIVCOM Year 2045 No-Build Scenario, February 2024

EXHIBIT I-8 - 2045 Daily Vehicle Trips by WRCOG Zone*

TO FROM	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	731,298	40,985	154,356	10,249	94,547	99,276	1,130,712
Hemet/San Jacinto	50,980	371,040	14,306	14,750	27,068	29,611	507,755
Northwest	102,039	4,532	1,308,993	4,215	18,439	356,593	1,794,811
Pass Area	14,136	13,855	10,239	201,638	1,539	56,688	298,095
Southwest	96,254	28,093	55,358	3,108	1,175,582	103,410	1,461,804
Outside WRCOG	59,214	12,874	337,766	41,024	56,927		507,806
TOTAL	1,053,921	471,379	1,881,018	274,984	1,374,103	645,578	5,700,982

^{*} Based on RIVCOM Year 2045 No-Build Scenario, February 2024

EXHIBIT I-9 - 2045 Percent Daily Vehicle Trips by WRCOG Zone*

TO FROM	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	64.7%	3.6%	13.7%	0.9%	8.4%	8.8%	100%
Hemet/San Jacinto	10.0%	73.1%	2.8%	2.9%	5.3%	5.8%	100%
Northwest	5.7%	0.3%	72.9%	0.2%	1.0%	19.9%	100%
Pass Area	4.7%	4.6%	3.4%	67.6%	0.5%	19.0%	100%
Southwest	6.6%	1.9%	3.8%	0.2%	80.4%	7.1%	100%

^{*} Based on RIVCOM Year 2045 No-Build Scenario, February 2024

Appendix J - Western Riverside County Regional Trip Purpose

On September 27, 2013, California Governor Jerry Brown signed SB 743 into law, fundamentally changing the way that transportation impacts are to be assessed pursuant to the California Environmental Quality Act (CEQA). The new law requires CEQA guidelines to be amended to provide an alternative to Level of Service for evaluating transportation impacts. The intent of the change is to introduce alternate criteria that "promote the reduction of greenhouse gas emissions, the development of multimodal transportation networks, and a diversity of land uses." (New Public Resources Code Section 21099(b)(1).) The primary effect of the new law is to establish the use of vehicle miles of travel (VMT) as the preferred basis for measuring traffic impacts, in recognition of the fact that VMT more accurately reflects traffic impacts as it takes into account both the number of trips being made and the distance of those trips. Although CEQA and the specific provision of SB 743 do not generally apply directly to impact fee programs (which are governed by the provision of the Mitigation Fee Act), the reasoning behind SB 743 establishing VMT as the preferred basis for CEQA traffic impact measurement is sound and equally applicable for impact fee nexus determination.

Linking the TUMF to VMT does enable developers to continue to use TUMF participation as demonstration of partial mitigation for their cumulative regional transportation impacts under the new SB 743 requirements. Furthermore, consistent with SB 743, consideration of travel impacts in terms of peak period VMT more accurately reflects the realities of travel behavior as the basis for determining impacts on the regional transportation system by reflecting the peak demands on the system based on the number of trips and the cumulative distance these trips occupy facilities in the system. Variation in trip length for different trip purposes is important to quantify since the impact associated with a trip is not limited to whether a trip occurs or not. A longer distance trip occupies more roadways over a longer period of time (all else being equal), and therefore goes through more intersections and consumes more capacity, thus requiring greater levels of mitigation. As the purpose of the TUMF is to mitigate the cumulative regional traffic impacts of future growth, a VMT based approach to defining the rough proportionality of impacts resulting from various differing types of new development better aligns with this purpose.

RivCoM is the primary analytical toll used to forecast VMT in Riverside County. RivCoM was developed based on the SCAG regional travel demand model, whose underlying model travel characteristics were developed based on national and regional travel behavior surveys, including the U.S. Census and the California Household Travel Survey. The methodology for using travel demand models, including RivCoM, as the basis for calculating and measuring VMT is consistent with NEPA and CEQA guidance, and accepted transportation planning practice.

The RivCoM model produces person-trips (irrespective of mode choice) on the basis of five trip purposes including home-based-work (HBW), home-based-other (HBO), home-based-school (HBS), home-based-university (HBU), and non-home based (NHB). Peak period, off-peak period and daily vehicle trips and VMT are derived from the person-trip productions based on mode choice assignments and differing trip length

characteristics embedded on the model parameters. Daily VMT results were aggregated into home-based VMT and non-home-based VMT for each scenario to represent the level of travel demand and impact on the transportation system attributable to each trip purpose.

The attribution of VMT associated with home-based trip purposes to residential land uses and non-home-based trips to non-residential land uses is consistent with the provisions of NCHRP Report #187 Quick Response Urban Travel Estimation Techniques and Transferable Parameters User's Guide (Transportation Research Board, 1978), a widely-referenced source for travel estimation techniques used for travel demand modeling. Chapter 2 of this report, which details trip generation estimation, states that "HBW (Home Based Work) and HBNW (Home Based Non Work) trips are generated at the households, whereas the NHB (Non-Home Based) trips are generated elsewhere." Consistent with NCHRP Report #187, aggregating person trip productions and associated VMT into home-based (combining home-based-work, home-based-other and home-based-school) and non-home-based (combining work-based-other, and other-based-other) represents an appropriate way to allocate trip generation and associated impacts between residential and non-residential land uses for the purpose of estimating the rough proportionality of the TUMF fee.

Exhibits J-1 through **J-36** of this Appendix include the RivCoM model data aggregated for peak period, off-peak period and daily person VMT for each trip purpose between the respective TUMF zones, and for both model year scenarios. The growth in daily VMT for each trip purpose was calculated as the difference between the daily VMT in the 2018 Existing scenario and the daily VMT in the 2045 No Build scenario. The growth in home-based daily VMT represents 77.7% of the total growth in daily VMT, and the growth in non-home-based daily VMT represents 22.3% of the total growth in daily VMT, as shown in **Table 5.4**. The relative share of the growth in daily VMT summarized in **Table 5.4** provides the basis for estimating the rough proportionality of the TUMF network impacts and related mitigation costs (and associated fees) attributable to new residential and non-residential development, respectively.

DRAFT

July 25, 2024

EXHIBIT J-1 VMT BY WRCOG TUMF ZONE TOTAL PEAK PERIOD TRIPS FOR ALL PURPOSES - 2018 EXISTING

To From	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	1,084,569	176,144	919,950	98,767	494,843	1,672,280	4,446,553
Hemet/San Jacinto	202,282	474,270	189,620	93,211	207,871	736,736	1,903,990
Northwest	471,239	62,909	3,082,883	69,489	235,185	3,500,199	7,421,903
Pass Area	86,956	66,611	120,609	230,246	31,017	531,753	1,067,192
Southwest	474,113	188,640	635,435	61,535	1,822,831	2,240,495	5,423,048
Outside WRCOG	833,664	293,941	3,584,150	403,303	1,245,556	129,717,014	136,077,627
TOTAL	3,152,824	1,262,514	8,532,646	956,551	4,037,302	138,398,477	156,340,314

EXHIBIT J-2 VMT BY WRCOG TUMF ZONE PEAK PERIOD HOME-BASED-WORK TRIPS ONLY - 2018 EXISTING

To From	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	165,241	58,992	411,439	65,622	197,893	1,220,777	2,119,965
Hemet/San Jacinto	70,807	53,805	128,758	48,898	103,290	567,394	972,951
Northwest	143,340	37,259	674,676	53,185	136,185	1,920,635	2,965,279
Pass Area	25,983	15,665	65,646	34,287	18,981	304,632	465,194
Southwest	165,236	76,537	376,007	49,330	410,382	1,721,102	2,798,594
Outside WRCOG	420,948	169,433	1,777,239	260,161	753,400	45,139,830	48,521,011
TOTAL	991,555	411,691	3,433,764	511,483	1,620,131	50,874,369	57,842,994

EXHIBIT J-3 VMT BY WRCOG TUMF ZONE PEAK PERIOD HOME-BASED-OTHER TRIPS ONLY - 2018 EXISTING

To From	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	673,880	84,730	364,070	26,370	227,784	361,436	1,738,269
Hemet/San Jacinto	100,994	306,411	50,898	33,509	84,214	146,284	722,311
Northwest	239,023	20,386	1,679,367	13,441	81,648	1,178,130	3,211,995
Pass Area	45,133	33,006	42,321	129,128	10,013	167,567	427,168
Southwest	234,369	82,255	197,098	10,679	1,016,873	402,898	1,944,172
Outside WRCOG	326,013	98,751	1,241,409	108,093	389,492	54,404,000	56,567,758
TOTAL	1,619,412	625,538	3,575,162	321,221	1,810,024	56,660,315	64,611,673

EXHIBIT J-4 VMT BY WRCOG TUMF ZONE PEAK PERIOD HOME-BASED-SCHOOL TRIPS ONLY - 2018 EXISTING

To From	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	110,735	3,642	21,950	387	16,486	6,055	159,255
Hemet/San Jacinto	8,004	43,231	162	666	2,726	70	54,859
Northwest	20,225	79	221,291	28	2,091	56,821	300,535
Pass Area	1,326	1,697	103	16,564	7	4,939	24,635
Southwest	19,735	3,035	4,593	7	138,861	1,084	167,315
Outside WRCOG	6,136	402	60,940	5,117	10,948	5,978,607	6,062,150
TOTAL	166,161	52,086	309,039	22,769	171,120	6,047,576	6,768,750

EXHIBIT J-5 VMT BY WRCOG TUMF ZONE PEAK PERIOD NON-HOME-BASED TRIPS ONLY - 2018 EXISTING

To From	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	116,617	17,407	82,092	6,004	49,146	58,568	329,833
Hemet/San Jacinto	20,422	60,529	6,881	9,918	17,117	18,684	133,551
Northwest	61,455	2,779	414,635	2,683	14,253	282,505	778,310
Pass Area	12,768	11,566	8,715	49,680	1,935	47,061	131,725
Southwest	40,694	13,037	27,856	1,225	237,362	49,558	369,732
Outside WRCOG	65,953	13,263	341,047	28,498	87,982	22,327,971	22,864,713
TOTAL	317,908	118,582	881,227	98,008	407,795	22,784,346	24,607,865

EXHIBIT J-6 VMT BY WRCOG TUMF ZONE PEAK PERIOD HOME-BASED-UNIVERSITY TRIPS ONLY - 2018 EXISTING

To From	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	18,096	11,373	40,399	384	3,534	25,445	99,231
Hemet/San Jacinto	2,056	10,293	2,922	220	523	4,304	20,318
Northwest	7,195	2,406	92,914	152	1,007	62,109	165,784
Pass Area	1,747	4,677	3,824	587	80	7,554	18,470
Southwest	14,080	13,775	29,881	293	19,353	65,853	143,236
Outside WRCOG	14,614	12,092	163,514	1,433	3,734	1,866,606	2,061,994
TOTAL	57,788	54,616	333,455	3,070	28,232	2,031,871	2,509,032

EXHIBIT J-7 VMT BY WRCOG TUMF ZONE TOTAL OFF PEAK TRIPS FOR ALL PURPOSES - 2018 EXISTING

To From	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	801,662	128,869	640,224	56,860	339,965	988,339	2,955,918
Hemet/San Jacinto	140,692	363,274	109,533	65,159	132,656	415,778	1,227,093
Northwest	340,558	37,798	2,341,566	37,213	141,992	2,394,837	5,293,964
Pass Area	67,550	54,436	80,501	191,165	19,798	353,246	766,697
Southwest	330,176	130,997	414,647	31,788	1,358,749	1,284,306	3,550,663
Outside WRCOG	569,970	187,134	2,517,328	247,784	764,704	97,045,358	101,332,277
TOTAL	2,250,608	902,509	6,103,800	629,968	2,757,864	102,481,863	115,126,612

EXHIBIT J-8 VMT BY WRCOG TUMF ZONE OFF PEAK HOME-BASED-WORK TRIPS ONLY - 2018 EXISTING

To From	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	64,053	23,015	164,150	25,429	78,516	519,620	874,784
Hemet/San Jacinto	27,710	20,523	51,954	19,949	40,698	244,713	405,547
Northwest	57,811	15,473	261,251	21,801	56,354	811,368	1,224,059
Pass Area	10,592	6,429	27,063	12,994	8,220	128,530	193,828
Southwest	65,794	29,706	153,862	20,870	157,689	724,854	1,152,774
Outside WRCOG	187,105	76,293	763,815	115,048	322,353	17,962,924	19,427,539
TOTAL	413,065	171,439	1,422,095	216,091	663,831	20,392,010	23,278,531

EXHIBIT J-9 VMT BY WRCOG TUMF ZONE OFF PEAK HOME-BASED-OTHER TRIPS ONLY - 2018 EXISTING

To From	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	518,247	66,043	291,090	21,528	180,073	324,734	1,401,715
Hemet/San Jacinto	77,692	230,275	41,945	28,302	64,944	130,834	573,991
Northwest	181,766	15,629	1,296,905	11,001	63,383	1,010,885	2,579,569
Pass Area	35,416	25,064	34,290	99,409	8,287	138,571	341,037
Southwest	181,290	62,892	165,057	8,746	793,860	357,826	1,569,671
Outside WRCOG	262,051	76,387	1,010,627	87,034	296,373	42,030,568	43,763,040
TOTAL	1,256,461	476,289	2,839,914	256,020	1,406,920	43,993,419	50,229,023

EXHIBIT J-10 VMT BY WRCOG TUMF ZONE OFF PEAK HOME-BASED-SCHOOL TRIPS ONLY - 2018 EXISTING

To From	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	29,899	1,018	5,963	112	4,495	1,879	43,367
Hemet/San Jacinto	2,171	11,723	46	212	743	22	14,915
Northwest	5,315	22	59,984	8	572	16,387	82,287
Pass Area	367	460	31	4,489	2	1,358	6,707
Southwest	5,242	828	1,239	2	37,812	304	45,428
Outside WRCOG	1,679	106	16,999	1,337	2,522	1,608,845	1,631,488
TOTAL	44,671	14,158	84,261	6,159	46,147	1,628,796	1,824,191

EXHIBIT J-11 VMT BY WRCOG TUMF ZONE OFF PEAK NON-HOME-BASED TRIPS ONLY - 2018 EXISTING

To From	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	171,868	26,165	127,774	9,573	74,861	103,539	513,780
Hemet/San Jacinto	31,023	89,467	11,465	16,561	25,978	33,500	207,994
Northwest	88,808	4,136	620,263	4,317	21,165	472,709	1,211,397
Pass Area	19,327	17,223	13,991	73,960	3,239	74,839	202,580
Southwest	61,789	19,268	45,891	1,951	356,701	84,988	570,589
Outside WRCOG	103,831	20,636	536,313	43,581	141,283	33,374,718	34,220,361
TOTAL	476,647	176,895	1,355,697	149,943	623,228	34,144,292	36,926,701

EXHIBIT J-12 VMT BY WRCOG TUMF ZONE OFF PEAK HOME-BASED-UNIVERSITY TRIPS ONLY - 2018 EXISTING

To From	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	17,594	12,628	51,247	218	2,019	38,566	122,272
Hemet/San Jacinto	2,097	11,286	4,124	136	292	6,709	24,645
Northwest	6,858	2,539	103,163	86	517	83,488	196,652
Pass Area	1,849	5,259	5,127	313	49	9,947	22,544
Southwest	16,062	18,302	48,598	219	12,688	116,334	212,202
Outside WRCOG	15,304	13,712	189,575	784	2,172	2,068,303	2,289,850
TOTAL	59,764	63,727	401,834	1,755	17,738	2,323,347	2,868,164

EXHIBIT J-13 VMT BY WRCOG TUMF ZONE TOTAL DAILY TRIPS FOR ALL PURPOSES - 2018 EXISTING

To From	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	1,886,231	305,013	1,560,174	155,627	834,808	2,660,619	7,402,471
Hemet/San Jacinto	342,975	837,544	299,154	158,370	340,527	1,152,514	3,131,082
Northwest	811,797	100,707	5,424,449	106,702	377,177	5,895,035	12,715,867
Pass Area	154,507	121,047	201,110	421,411	50,814	884,999	1,833,889
Southwest	804,289	319,636	1,050,082	93,323	3,181,580	3,524,801	8,973,711
Outside WRCOG	1,403,634	481,075	6,101,478	651,086	2,010,260	226,762,371	237,409,905
TOTAL	5,403,432	2,165,023	14,636,446	1,586,519	6,795,166	240,880,340	271,466,925

EXHIBIT J-14 VMT BY WRCOG TUMF ZONE DAILY HOME-BASED-WORK TRIPS ONLY - 2018 EXISTING

To From	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	229,295	82,007	575,590	91,051	276,409	1,740,397	2,994,749
Hemet/San Jacinto	98,516	74,328	180,712	68,847	143,988	812,107	1,378,498
Northwest	201,151	52,731	935,927	74,986	192,540	2,732,003	4,189,337
Pass Area	36,574	22,095	92,709	47,281	27,201	433,163	659,022
Southwest	231,030	106,243	529,869	70,200	568,071	2,445,955	3,951,368
Outside WRCOG	608,054	245,727	2,541,054	375,209	1,075,753	63,102,754	67,948,550
TOTAL	1,404,620	583,131	4,855,859	727,574	2,283,962	71,266,379	81,121,525

EXHIBIT J-15 VMT BY WRCOG TUMF ZONE DAILY HOME-BASED-OTHER TRIPS ONLY - 2018 EXISTING

To From	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	1,192,127	150,772	655,160	47,898	407,857	686,170	3,139,984
Hemet/San Jacinto	178,686	536,686	92,843	61,811	149,158	277,118	1,296,302
Northwest	420,789	36,015	2,976,272	24,442	145,031	2,189,015	5,791,564
Pass Area	80,549	58,070	76,610	228,537	18,300	306,138	768,205
Southwest	415,659	145,147	362,155	19,425	1,810,733	760,724	3,513,843
Outside WRCOG	588,064	175,138	2,252,036	195,127	685,865	96,434,568	100,330,798
TOTAL	2,875,873	1,101,828	6,415,076	577,241	3,216,945	100,653,734	114,840,696

EXHIBIT J-16 VMT BY WRCOG TUMF ZONE DAILY HOME-BASED-SCHOOL TRIPS ONLY - 2018 EXISTING

To From	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	140,634	4,660	27,913	499	20,981	7,934	202,622
Hemet/San Jacinto	10,175	54,954	207	877	3,469	92	69,775
Northwest	25,540	101	281,274	36	2,663	73,208	382,822
Pass Area	1,692	2,157	134	21,053	9	6,297	31,343
Southwest	24,977	3,864	5,832	9	176,673	1,388	212,743
Outside WRCOG	7,814	508	77,939	6,454	13,470	7,587,452	7,693,638
TOTAL	210,832	66,244	393,299	28,928	217,266	7,676,372	8,592,941

EXHIBIT J-17 VMT BY WRCOG TUMF ZONE DAILY NON-HOME-BASED TRIPS ONLY - 2018 EXISTING

To From	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	288,485	43,572	209,866	15,577	124,008	162,106	843,613
Hemet/San Jacinto	51,445	149,996	18,346	26,479	43,095	52,184	341,544
Northwest	150,263	6,915	1,034,898	7,000	35,418	755,213	1,989,708
Pass Area	32,095	28,790	22,706	123,641	5,174	121,900	334,305
Southwest	102,482	32,305	73,748	3,176	594,063	134,546	940,320
Outside WRCOG	169,784	33,899	877,360	72,079	229,264	55,702,689	57,085,075
TOTAL	794,554	295,477	2,236,924	247,951	1,031,023	56,928,638	61,534,566

EXHIBIT J-18 VMT BY WRCOG TUMF ZONE DAILY HOME-BASED-UNIVERSITY TRIPS ONLY - 2018 EXISTING

To From	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	35,690	24,001	91,646	601	5,553	64,011	221,503
Hemet/San Jacinto	4,153	21,580	7,046	356	815	11,012	44,963
Northwest	14,054	4,945	196,077	238	1,525	145,596	362,435
Pass Area	3,596	9,936	8,951	900	129	17,502	41,014
Southwest	30,142	32,078	78,478	512	32,040	182,188	355,438
Outside WRCOG	29,918	25,804	353,089	2,217	5,906	3,934,909	4,351,844
TOTAL	117,553	118,344	735,288	4,825	45,970	4,355,218	5,377,197

EXHIBIT J-19 VMT BY WRCOG TUMF ZONE TOTAL PEAK PERIOD TRIPS FOR ALL PURPOSES - 2045 NO BUILD

To From	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	1,799,333	331,707	1,246,839	150,237	725,077	2,074,041	6,327,234
Hemet/San Jacinto	419,876	828,755	285,137	155,667	345,759	1,006,889	3,042,083
Northwest	719,180	87,427	3,652,429	90,736	283,636	3,816,550	8,649,959
Pass Area	166,143	123,928	189,122	408,274	39,950	805,993	1,733,411
Southwest	823,445	350,410	894,926	84,115	3,062,054	3,170,545	8,385,495
Outside WRCOG	1,208,763	420,070	4,001,373	598,622	1,482,553	151,663,404	159,374,786
TOTAL	5,136,740	2,142,297	10,269,827	1,487,652	5,939,029	162,537,422	187,512,968

EXHIBIT J-20 VMT BY WRCOG TUMF ZONE PEAK PERIOD HOME-BASED-WORK TRIPS ONLY - 2045 NO BUILD

To From	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	373,364	119,251	639,446	100,864	284,454	1,576,209	3,093,588
Hemet/San Jacinto	172,286	134,504	208,376	88,310	169,783	827,421	1,600,680
Northwest	244,964	48,849	905,169	66,860	143,376	2,007,531	3,416,748
Pass Area	69,297	34,601	118,258	72,874	25,101	465,215	785,345
Southwest	346,327	152,164	600,641	69,322	654,211	2,572,563	4,395,228
Outside WRCOG	627,554	220,846	2,057,129	369,322	678,800	52,699,890	56,653,540
TOTAL	1,833,791	710,214	4,529,019	767,551	1,955,725	60,148,829	69,945,130

EXHIBIT J-21 VMT BY WRCOG TUMF ZONE PEAK PERIOD HOME-BASED-OTHER TRIPS ONLY - 2045 NO BUILD

To From	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	1,062,642	154,854	432,156	38,451	340,614	392,364	2,421,080
Hemet/San Jacinto	190,962	506,337	65,022	49,916	143,277	154,174	1,109,688
Northwest	352,592	31,203	1,941,227	19,896	116,947	1,347,877	3,809,741
Pass Area	73,295	60,143	56,197	230,606	12,927	245,844	679,013
Southwest	365,033	139,169	213,955	13,093	1,806,167	430,821	2,968,236
Outside WRCOG	473,253	165,371	1,354,389	176,377	669,783	64,072,996	66,912,168
TOTAL	2,517,777	1,057,076	4,062,946	528,338	3,089,715	66,644,076	77,899,927

EXHIBIT J-22 VMT BY WRCOG TUMF ZONE PEAK PERIOD HOME-BASED-SCHOOL TRIPS ONLY - 2045 NO BUILD

To From	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	136,895	5,994	23,940	484	20,215	6,298	193,827
Hemet/San Jacinto	13,675	57,088	301	975	4,113	107	76,259
Northwest	23,198	110	237,602	33	2,279	66,566	329,788
Pass Area	1,880	2,406	139	26,717	7	9,600	40,749
Southwest	24,598	3,842	4,731	7	228,422	1,295	262,895
Outside WRCOG	6,723	624	64,150	5,947	16,481	6,271,751	6,365,676
TOTAL	206,969	70,065	330,863	34,163	271,517	6,355,617	7,269,194

EXHIBIT J-23 VMT BY WRCOG TUMF ZONE PEAK PERIOD NON-HOME-BASED TRIPS ONLY - 2045 NO BUILD

To From	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	202,038	35,728	103,488	10,029	74,959	74,079	500,322
Hemet/San Jacinto	40,465	115,618	8,342	16,222	27,829	20,983	229,458
Northwest	89,752	4,817	459,879	3,793	19,949	335,223	913,414
Pass Area	19,244	20,136	9,751	77,216	1,839	73,705	201,892
Southwest	63,376	22,555	29,308	1,251	322,054	43,941	482,484
Outside WRCOG	88,138	21,358	372,582	45,519	113,947	26,519,796	27,161,341
TOTAL	503,012	220,212	983,351	154,031	560,578	27,067,727	29,488,911

EXHIBIT J-24 VMT BY WRCOG TUMF ZONE PEAK PERIOD HOME-BASED-UNIVERSITY TRIPS ONLY - 2045 NO BUILD

To From	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	24,394	15,880	47,809	408	4,835	25,090	118,417
Hemet/San Jacinto	2,488	15,208	3,096	245	757	4,204	25,998
Northwest	8,674	2,448	108,552	155	1,085	59,353	180,268
Pass Area	2,428	6,642	4,777	861	76	11,629	26,412
Southwest	24,112	32,680	46,293	442	51,199	121,926	276,652
Outside WRCOG	13,096	11,872	153,123	1,456	3,543	2,098,971	2,282,060
TOTAL	75,191	84,731	363,649	3,568	61,494	2,321,174	2,909,807

EXHIBIT J-25 VMT BY WRCOG TUMF ZONE TOTAL OFF PEAK TRIPS FOR ALL PURPOSES - 2045 NO BUILD

To From	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	1,318,612	243,507	855,399	90,116	512,253	1,362,381	4,382,268
Hemet/San Jacinto	307,848	620,261	182,200	112,414	232,480	632,480	2,087,683
Northwest	514,466	58,795	2,686,245	50,935	187,731	2,945,148	6,443,318
Pass Area	125,325	101,371	126,342	322,595	27,752	586,766	1,290,151
Southwest	594,702	254,789	612,135	48,790	2,229,187	1,999,442	5,739,044
Outside WRCOG	857,986	292,176	2,897,700	380,089	960,617	114,223,362	119,611,929
TOTAL	3,718,939	1,570,899	7,360,021	1,004,939	4,150,019	121,749,579	139,554,395

EXHIBIT J-26 VMT BY WRCOG TUMF ZONE OFF PEAK HOME-BASED-WORK TRIPS ONLY - 2045 NO BUILD

To From	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	139,109	48,317	252,879	40,263	116,636	745,260	1,342,464
Hemet/San Jacinto	68,574	47,643	92,129	35,673	67,839	402,851	714,710
Northwest	98,150	23,283	337,214	28,227	65,852	940,673	1,493,399
Pass Area	28,513	15,183	50,763	26,317	12,905	221,065	354,746
Southwest	143,010	60,883	254,955	32,890	244,955	1,155,616	1,892,308
Outside WRCOG	302,064	116,183	938,244	166,464	326,211	21,226,888	23,076,054
TOTAL	779,420	311,492	1,926,184	329,834	834,398	24,692,353	28,873,681

EXHIBIT J-27 VMT BY WRCOG TUMF ZONE OFF PEAK HOME-BASED-OTHER TRIPS ONLY - 2045 NO BUILD

To From	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	817,753	121,802	362,911	33,093	271,714	415,042	2,022,315
Hemet/San Jacinto	161,868	374,441	65,747	46,266	116,874	172,568	937,763
Northwest	270,238	25,096	1,486,279	16,476	90,978	1,281,165	3,170,231
Pass Area	61,546	47,031	50,231	174,731	11,410	223,207	568,155
Southwest	303,367	111,492	202,017	12,889	1,405,767	465,133	2,500,666
Outside WRCOG	387,066	126,440	1,130,769	140,486	452,722	49,373,980	51,611,462
TOTAL	2,001,838	806,301	3,297,953	423,940	2,349,465	51,931,094	60,810,592

EXHIBIT J-28 VMT BY WRCOG TUMF ZONE OFF PEAK HOME-BASED-SCHOOL TRIPS ONLY - 2045 NO BUILD

To From	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	37,552	1,684	7,015	142	5,504	2,210	54,106
Hemet/San Jacinto	4,077	15,458	110	341	1,168	42	21,196
Northwest	6,276	32	64,909	10	605	20,422	92,254
Pass Area	563	684	47	7,234	2	2,659	11,190
Southwest	6,927	1,090	1,449	3	62,653	584	72,705
Outside WRCOG	2,040	166	19,074	1,704	3,185	1,683,458	1,709,627
TOTAL	57,435	19,114	92,604	9,433	73,117	1,709,376	1,961,079

EXHIBIT J-29 VMT BY WRCOG TUMF ZONE OFF PEAK NON-HOME-BASED TRIPS ONLY - 2045 NO BUILD

To From	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	299,738	55,092	169,871	16,381	115,948	153,204	810,234
Hemet/San Jacinto	70,174	166,706	18,278	29,966	46,159	47,597	378,880
Northwest	131,414	7,633	681,134	6,136	29,764	610,663	1,466,744
Pass Area	31,940	31,225	18,232	113,898	3,385	123,898	322,577
Southwest	104,433	36,376	55,746	2,580	484,258	98,486	781,879
Outside WRCOG	151,333	34,517	620,329	70,600	176,455	39,604,640	40,657,873
TOTAL	789,032	331,549	1,563,590	239,561	855,969	40,638,488	44,418,188

EXHIBIT J-30 VMT BY WRCOG TUMF ZONE OFF PEAK HOME-BASED-UNIVERSITY TRIPS ONLY - 2045 NO BUILD

To From	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	24,461	16,612	62,722	237	2,451	46,666	153,148
Hemet/San Jacinto	3,155	16,013	5,936	169	440	9,422	35,134
Northwest	8,389	2,752	116,708	85	532	92,226	220,691
Pass Area	2,763	7,248	7,069	416	50	15,937	33,483
Southwest	36,965	44,949	97,968	427	31,554	279,623	491,486
Outside WRCOG	15,482	14,869	189,285	835	2,045	2,334,396	2,556,912
TOTAL	91,214	102,442	479,690	2,170	37,070	2,778,268	3,490,855

EXHIBIT J-31 VMT BY WRCOG TUMF ZONE TOTAL DAILY TRIPS FOR ALL PURPOSES - 2045 NO BUILD

To From	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	3,117,946	575,214	2,102,238	240,353	1,237,329	3,436,422	10,709,502
Hemet/San Jacinto	727,723	1,449,016	467,337	268,082	578,239	1,639,369	5,129,767
Northwest	1,233,645	146,222	6,338,674	141,671	471,367	6,761,699	15,093,278
Pass Area	291,468	225,299	315,464	730,869	67,702	1,392,759	3,023,562
Southwest	1,418,147	605,199	1,507,061	132,904	5,291,241	5,169,987	14,124,539
Outside WRCOG	2,066,749	712,246	6,899,073	978,711	2,443,170	265,886,766	278,986,715
TOTAL	8,855,679	3,713,196	17,629,848	2,492,590	10,089,048	284,287,001	327,067,363

EXHIBIT J-32 VMT BY WRCOG TUMF ZONE DAILY HOME-BASED-WORK TRIPS ONLY - 2045 NO BUILD

To From	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	512,473	167,568	892,325	141,127	401,091	2,321,469	4,436,052
Hemet/San Jacinto	240,860	182,148	300,505	123,983	237,623	1,230,272	2,315,390
Northwest	343,114	72,132	1,242,383	95,087	209,228	2,948,204	4,910,147
Pass Area	97,810	49,784	169,021	99,191	38,005	686,279	1,140,090
Southwest	489,337	213,047	855,596	102,212	899,166	3,728,179	6,287,536
Outside WRCOG	929,618	337,029	2,995,373	535,786	1,005,010	73,926,778	79,729,594
TOTAL	2,613,211	1,021,707	6,455,203	1,097,385	2,790,123	84,841,182	98,818,811

EXHIBIT J-33 VMT BY WRCOG TUMF ZONE DAILY HOME-BASED-OTHER TRIPS ONLY - 2045 NO BUILD

To From	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	1,880,395	276,656	795,067	71,544	612,328	807,406	4,443,395
Hemet/San Jacinto	352,830	880,778	130,769	96,181	260,151	326,742	2,047,451
Northwest	622,829	56,299	3,427,506	36,372	207,925	2,629,041	6,979,972
Pass Area	134,842	107,173	106,427	405,337	24,337	469,052	1,247,168
Southwest	668,400	250,661	415,972	25,982	3,211,934	895,954	5,468,902
Outside WRCOG	860,319	291,810	2,485,158	316,863	1,122,505	113,446,976	118,523,630
TOTAL	4,519,614	1,863,377	7,360,898	952,278	5,439,180	118,575,170	138,710,519

EXHIBIT J-34 VMT BY WRCOG TUMF ZONE DAILY HOME-BASED-SCHOOL TRIPS ONLY - 2045 NO BUILD

To From	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	174,447	7,678	30,955	627	25,718	8,507	247,933
Hemet/San Jacinto	17,752	72,546	411	1,316	5,281	149	97,455
Northwest	29,474	142	302,511	43	2,884	86,988	422,042
Pass Area	2,443	3,091	186	33,950	9	12,260	51,939
Southwest	31,524	4,932	6,180	10	291,076	1,879	335,600
Outside WRCOG	8,764	790	83,223	7,651	19,666	7,955,209	8,075,303
TOTAL	264,404	89,179	423,467	43,596	344,634	8,064,992	9,230,272

Based on RivCOM Year 2045 No-Build Scenario, November 2023

EXHIBIT J-35 VMT BY WRCOG TUMF ZONE DAILY NON-HOME-BASED TRIPS ONLY - 2045 NO BUILD

To From	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	501,776	90,820	273,360	26,410	190,907	227,284	1,310,557
Hemet/San Jacinto	110,639	282,324	26,620	46,188	73,988	68,580	608,338
Northwest	221,166	12,450	1,141,014	9,929	49,713	945,886	2,380,158
Pass Area	51,183	51,361	27,984	191,114	5,224	197,603	524,469
Southwest	167,809	58,931	85,053	3,831	806,312	142,426	1,264,363
Outside WRCOG	239,471	55,876	992,911	116,119	290,402	66,124,436	67,819,215
TOTAL	1,292,044	551,761	2,546,941	393,592	1,416,547	67,706,215	73,907,099

Based on RivCOM Year 2045 No-Build Scenario, November 2023

EXHIBIT J-36 VMT BY WRCOG TUMF ZONE DAILY HOME-BASED-UNIVERSITY TRIPS ONLY - 2045 NO BUILD

To From	Central	Hemet/San Jacinto	Northwest	Pass Area	Southwest	Outside WRCOG	TOTAL
Central	48,855	32,492	110,531	645	7,286	71,756	271,565
Hemet/San Jacinto	5,642	31,221	9,033	414	1,197	13,626	61,132
Northwest	17,063	5,200	225,260	240	1,617	151,579	400,959
Pass Area	5,191	13,890	11,846	1,278	126	27,566	59,896
Southwest	61,077	77,629	144,261	870	82,752	401,549	768,138
Outside WRCOG	28,578	26,741	342,408	2,292	5,587	4,433,366	4,838,972
TOTAL	166,406	187,172	843,339	5,738	98,564	5,099,442	6,400,662

Based on RivCOM Year 2045 No-Build Scenario, November 2023

Appendix K - Residential Fee Calculation

In general, the fee for the TUMF program is calculated based on the following formula:



Applying this formula, Unit Cost Assumptions for the various eligible TUMF project types are used to estimate the overall cost to improve the TUMF Network as described in the TUMF Nexus Study. The resultant network improvement cost is then divided proportionally between various residential and non-residential development categories such that each new development type contributes its 'fair share' to the program. Any change in one formula variable has a related impact on the overall TUMF fee, although it is important to note that the resultant impact to the overall fee is not necessarily directly proportional to the formula variable change due to the intricacies of the fee calculation.

The residential fee was calculated by multiplying the estimated TUMF Network improvements cost attributable to mitigating the cumulative regional impacts of new development (**Section 4.0**) by the proportion of all regional trips that are generated by residential land uses (**Section 5.3**), and dividing this number by the projected increase in residential units between 2018 and 2045 (**Table 2.3**).

To account for the difference in trip generation rates between single-family residential units and multi-family residential units, the fee value was normalized for each of these housing types by first multiplying the proposed growth in households between 2018 and 2045 by the existing proportional share of each household type, and then multiplying the resultant values by the respective trip generation rate as published in the Institute of Traffic Engineers <u>Trip Generation Manual</u>, Eleventh Edition, 2021. The respective fee values are presented in **Section 6.1**. **Exhibit K-1** details the calculation of the residential fee (and non-residential fee).

EXHIBIT K-1 Western Riverside County TUMF Estimate by Percent of TUMF Share Weighted by PM Peak Hour Trip Generation Rate

Based on Needed Improvements to the Regional System of Highways and Arterials

Residential		Dwelling Units		PM Peak Hour Trip	PM Peak Hour Trip	Percentage of PM Peak Hour Trip		Fee/DU	
Residential	2018	2045	Change	Generation Rate	Change	Change	6,557,500 66,735,953	Tee/D0	
Single Family Residential	397,407	564,898	167,491	0.99	165,816	78.6%		\$15,476	
Multi Family Residential	157,166	247,501	90,335	0.50	45,168	21.4%		\$7,816	
Total	554,573	812,399	257,826		210,984	100.0%			
Non-Paridoniini		Employees		PM Peak Hour Trip	Peak Hour Trip Char	Percentage of PM	Change in SF of	F /SF - 1 C FA	
Non-Residential	2018 2045 Chang		Change	Generation Rate	reak Hour Irip Char	r Peak Hour Trip GFA Change		Fee/SF of GFA	
Industrial	169,334	245,915	76,581	0.6	45,949	15.1%	61,489,565	\$2.33	
Retail	73,814	86,929	13,115	1.8	23,607	7.8%	6,557,500	\$11.21	
Service	308,703	482,958	174,255	1.2	209,106	68.8%	66,735,957	\$9.76	
Government/Public Sector	18,569	30,640	12,071	2.1	25,349	8.3%	3,420,665	\$23.07	
Total	570,420	846,442	276,022		304,011	100.0%	138,203,688		

Notes:

- trip generation rates based on ITE Trip Generation 11th Edition (2021) rates for weekday PM peak hour by generator trip ends
- residential formula: [(TUMF cost share) (residential share of VMT) / (change in housing units)] * (percentage of trip change)
- $non-residential\ formula: [(TUMF\ cost\ share)(non-residential\ share\ of\ VMT)\ /\ (change\ in\ SF\ of\ GFA)]\ ^*\ (percentage\ of\ trip\ change)$

Calculation Inputs:

residential share of daily VMT

non-residential share of daily VMT

total regional mitigation cost
existing obligated improvement funding
unfunded existing need cost

77.7%

177.7%

177.7%

\$22.3%

\$5,283,909,000

\$382,886,000

unfunded existing need cost
\$464,931,000

	1, - , ,
MAX TUMF VALUE	\$4,244,608,000
MAX TUMF SHARE	80.3%
Residential Value	\$3,298,060,000
Non-Residential Value	\$946,548,000

Updated: July 23, 2024

Appendix L - Non-Residential Fee Calculation

The non-residential fee was calculated by multiplying the estimated Regional System of Highways and Arterials improvements cost attributable to new development (**Section 4.0**) by the proportion of all regional trips that are generated by non-residential land uses (**Section 5.3**), and dividing this number by the projected increase in non-residential land use between 2018 and 2045 (**Table 2.3**, **Section 2.0**) and the proportional share of new employees in each sector.

In preparation for the fee calculation, SCAG 2020 RTP/SCS employment data by sector was first converted to land use as square feet of gross floor area (SF GFA). Non-residential employee to gross floor area conversion factors were derived from four sources. These sources are:

- Cordoba Corporation/Parsons Brinckerhoff Quade and Douglas, Inc. (PBQD), Land Use Density Conversion Factors For The Long-Range Corridor Study San Bernardino and Riverside Counties, August 20, 1990. Table 8.
- Orange County Transportation Authority (OCTA), <u>Orange County Subarea</u>
 <u>Modeling Guidelines Manual</u>, June 2001. Appendix C.
- Southern California Association of Governments (SCAG), <u>Employment Density</u> <u>Study</u>, October 31, 2001, Table IIB
- County of Riverside, <u>General Plan</u>, As Amended December 15, 2015, Appendix E:
 Socioeconomic Build-Out Projections Assumptions & Methodology, Table E-5

The employment conversion factors developed for use in the calculation of the non-residential fee are tabulated in **Exhibits L-1** through **L-4**. The relevant sections of these respective publications are included in this Appendix as **Exhibits L-5** through **L-8**.

To account for the difference in trip generation rates between the various employment sectors, the non-residential fee value for each sector was normalized by multiplying by the respective median trip generation rate for the range of associated land use types as published in the Institute of Traffic Engineers <u>Trip Generation Manual</u>, Eleventh Edition, 2021. The respective fee values are presented in **Section 6.2**. The table detailing the calculation of the non-residential fee (and residential fee) is included in **Appendix K** as **Exhibit K-1**.

EXHIBIT L-1 Employment Conversion Factors

Employment Sector	Business by Land Use Category (1)	Employees	Gross Floor Area (TSF)	Conversion Rate (Employees/TSF)	Land Use Category (2)	Minimum Range Conversion Rate (Employees/TSF)	Land Use Category (3)	SF per Employee based on Average Employees per Acre and Average FAR (Riverside County)	Employees/TSF	Land Use Category (4)	SF per Employee	Employees/TSF	TUMF Median Employment Conversion Factors (Employees/TSF)
	Heavy Manufacturing	6,379	5,117		R&D/LI/BP	2.50	R&D/Flex Space	867		Light Industrial	1030		
	General Manufacturing	11.603	6.103		Heavy Industry	2.00	Liaht Manufacturina	1548		Heavy Industry	1500		
	Light Manufacturing	8,624	3,962	2.18	Warehouse	1.00	Warehouse	1195					
	Manufacturing, Small Module	5.559	3.038	1.83									
Industrial	High Tech/Research	954	411	2.33									
	Wholesale, Trade Industry	6,120	4,140	1.48									
	Warehousing	119	279	0.43									
	General Industry	1,023	917	1.12									
	Median				Median	2.00	Median	1195.0	0.84	Median	1265.0	0.79	1.25
	Retail Trade	34,821	20,125	1.73			Regional Retail	268		Commercial Retail	500		
	Personnal, Rental and Repair	3,452	1,590	2.17			Other Retail/Service	629					
	Equipment Rental	1,080	453	2.38									
Retail	General Commercial	12,978	17,023	0.76									
	Median			1.95			Median	448.5	2.23	Median	500.0	2.00	2.00
	Financial/Insurance/Real Estate	7,738	1,095		Office	3.00	Low-Rise Office	481		Commercial Office	300		
	Small Office	3,945	548		Medical/PO/Bank	3.50	Hotel/Motel	3476		Business Park	600		
	Professional Services	5,470	1,529		Hospital	2.50							
Service	Business Services	6,680	1,966		Restaurant	3.00							
	General Offices Medical Services	8,900	3,886	2.29									
	Restaurant	9,006	3,201	2.8									
	Median	23.345	4.061	5.75									
	median			3.58		3.00	Median Government Offices	1978.5 208	0.51	Median	450.0	2.22	2.61
					Government/Civic	3.00	Government Offices	208					
Government/Public Sector					Librarv	1.50							
					Median	2.25	Median	208.0	4.81				3.53
Notes:	<u> </u>				ninodian.	2.23	,,,,odiai.	200.0	7.01	1			5.55

Notes:

- Business by Land Use Categories Wholesale Trade Commercial and Automotive Repair were excluded as there is inconsistencies between the Land Use Density Conversion Factors For Long Range Corridor Study San Bemardino and Riverside Counties categorization, and the NAICS Major Group categorization.

- OCTA Typical Employment Conversion Factors for Commercial excluded as it potentially covers uses in both Retail and Service categories; Hotel/Motel, Schools, Golf Course, Developed Park, Park and Agricultral water excluded as they are calculated from units other than TS:

- TUMEr Median Employment Conversion Factors is the median of (1) through (4) Conversion Rates

1) Corridons Corporation/PReD, Land Like Density Conversion Factors For Long Range Corridor Study San Bernardino and Riverside Counties, August 20, 1990. Table 8.

2) COTA, Orange Counth Subarrea Model Guidelines Manual, June 2001. Appendix C.

3) SCAGE, Employment Density Study o'Clober 31, 2001. Table 18.

4) Countly of Riverside, General Plan, As Amended December 15, 2015, Appendix E: Socioeconomic Build-Out Projections Assumptions & Methodology, Table E-5

EXHIBIT L-2 Population and Employment Estimates

Sector	2018	2045	Change	Employee Conversion Factor / TSF	Change in SF of GFA
Population	1,905,440	2,533,876	628,436		
Households					
Single-Family	397,407	564,898	167,491		
Multi-Family	157,166	247,501	90,335		
Totals	554,573	812,399	257,826		
Employees					
Industrial	169,334	245,915	76,581	1.25	61,489,565
Retail	73,814	86,929	13,115	2.00	6,557,500
Service	308,703	482,958	174,255	2.61	66,735,957
Government/Public Sector	18,569	30,640	12,071	3.53	3,420,665
Totals	570,420	846,442	276,022		138,203,688

Source: SCAG 2020 RTP/SCS; RivCOM

EXHIBIT L-3 Trip Generation Rate Comparison

Non-Residential									
								Median Share PM	
			ITE Median PM		Trip Growth	Calculated PM	Weighted Median	Peak Period Pass By	Adjusted PM Peak
			Peak Hour Trips	ITE Median PM Peak	(SFGrowth *	Peak Hour Trips per	PM Peak Hour Trips	Trips (Retail and	Hour Trips Per
	Employee Growth	SF Growth	Per Employee	Hour Trips per TSF	ITEMedian)	Employee	Per Employee	Service Uses)	Employee
Industrial	7	6,581 61,489,565	0.7	0.6	36,894	0.5	0.6		0.6
Retail	1	3,115 6,557,500	3.3	5.0	32,788	2.5	2.9	37%	1.8
Service	17	4,255 66,735,957	2.2	5.7	380,395	2.2	2.2	44%	1.2
Government/Public Sector		2,071 3,420,665	3.3	3.2	10,946	0.9	2.1		2.1
	27	5,022 138,203,688			461,022				

EXHIBIT L-4 Representative ITE Weekday PM Peak Hour Trip Generation Rates

Trip Er 10 15 20	0.99 0.61 0.57	(rip Ends per Residents 0.28 0.44 0.27
15	0.61	0.44
20	0.57	0.27
	0.37	U.Z/
21	0.39	0.23
22	0.40	
23	0.50	0.14
	0.49	0.27
	0.50	0.25
	122 123	0.50 0.49

Median		0.50	0.25	
NON-RESIDENTIAL				
		PM Peak Hour	PM Peak Hour	PM Peak Period
Land Use Category Industrial	ITE Reference	Trip Ends per TSF*	Trip Ends per Employee'	Pass by Trips**
Intermodal Truck Terminal	30	1.89	0.72	
General Light Industry	110	0.80	0.69	
Industrial Park Manufacturing	130 140	0.40	0.42 0.40	
Warehousing	150	0.23	0.68	
High-Cube Transload and Short-Term Storage	154	0.17		
High-Cube Fulfillment Center Warehouse - Non-Sort High-Cube Parcel Hib Warehouse	155 156	0.27		
Average	100	0.66	0.58	
Median		0.56	0.68	
Retail Building Materials and Lumber	812	2.65	3.30	
Free-Standing Discount Superstore	813	4.39	1.75	29%
Variety Store	814	7.42	12.65	34%
Free-Standing Discount Store Hardware/Paint Store	815 816	5.42 1.10	2.36 3.77	20% 26%
Nursery (Garden Center)	817	8.37	2.55	20/0
Nursery (Wholesale)	818	5.01	0.59	
Shopping Center Shopping Center (150K to 300K)	820 820	4.09	1.91	29%
Shopping Center (300K to 900 K)	820			19%
Shopping Plaza with Supermarket	821	9.72		
Shopping Plaza without Supermarket Shopping Plaza	821 821	5.40	1.80	40%
Strip Retail Plaza	822	13.24	10.15	40/6
Factory Outlet Center	823	1.94		
Automobile Sales (New)	840	2.65	1.10 2.27	
Automobile Sales (Used) Automobile Parts Sales	841 843	4.92 5.88	4.27	43%
Tire Store	848	3.72	3.05	25%
Supermarket	850	9.19	3.37	24%
Convenience Store Convenience Market with Gasoline Pumps	851 853	53.51	34.33	
Discount Supermarket	854			
Discount Club	857	4.62	3.49	34%
Sporting Goods Superstore Home Improvement Superstore	861 862	2.58 3.21	0.93	42%
Electronics Superstore	863	4.48		40%
Pet Supply Superstore	866	2.19		
Book Superstore Department Store	868 875	14.00		
Apparel Store	876	4.20		
Pharmacy/Drugstore without Drive Through Window	880	8.62		53%
Pharmacy/Drugstore with Drive Through Window	881	11.23	7.79	49%
Marijuana Dispensary Furniture Store	882 890	24.57 0.70	1.01	53%
Liquor Store	899	17.00	5.98	
Gasoline/Service Station	944		28.39	57%
Convenience Store/Gas Station (none) Convenience Store/Gas Station (9 - 15 vehicle fueling positions)	945 945	56.38	21.31	75%
Average	743	9.54	6.87	38%
Median		4.97	3.30	37%
Service Data Center	160	0.13		
Specialty Trade Contractor	180	2.18	0.80	
Movie Theatre	445	14.06	9.56	
Health/Fitness Club Day Care Center	492 565	3.92 11.82	4.66	44%
Hospital	610	0.98	0.33	44/0
Nursing Home	620	0.82	0.45	
Clinic Animal Hospital/Veterinary Clinic	630 640	4.22 3.83	2.49 2.26	
Free Standing Emergency Room	650	2.24	2.20	
Small Office Building	712	3.15	1.90	
Medical-Dentist Office Building (Stand-Alone) Medical-Dentist Office Building (Within/Near Hospital Campus)	720 720	4.79 3.78	1.26	
Walk-in Bank	911	26.40	6.18	
Drive-in Bank	912	20.92	4.36	35%
Hair Salon Copy, Print and Express Ship Store	918 920		6.63	
Fast Casual Restaurant	930	18.57	0.00	
Fine Dining Restaurant	931	8.28	1.79	44%
High Turnover (Sit-Down) Restaurant Fast Food Restaurant with Drive Through	932 934	16.35 50.94	3.66 5.45	43% 55%
Fast Food Restaurant with Drive Through No Seating	935	30.94	3.43	31%
Coffee/Donut Shop with Drive Through	937	43.65		
Coffee/Donut Shop with Drive Through No Seating Quick Lube Vehicle Shop	938 941	9.42	2.17	98%
Automobile Care Center	942	3.51	1.43	
Automobile Parts and Service Center	943	2.61	1.80	
Wine Tasting Room Brewery Tap Room	970 971	6.60 10.93		
Drinking Place	975	15.53		
Average		10.85	3.06	50%
Median Government/Public Sector		5.70	2.17	44%
Recreational Community Center	495	2.53	2.71	
Elementary School	520		4.60	
Middle/Junior High School	522 525		4.83	
High School School District Office	528	2.37	3.32 0.84	
Private School (K-8)	530		5.72	
Private School (K-12)	532		2.82	
Private High School Charter Elementary School	534 536		2.49 10.64	
Charter School (K-12)	538		10.66	
Junior/Community College	540		1.63	
University/College Adult Detention Facility	550 571	0.94	0.81 0.51	
Library	590	8.53	6.81	
Government Office Building	730	3.19	0.91	
State Motor Vehicles Department Post Office	731 732	7.68 15.11	4.27 3.29	
Average	732	5.76	3.93	
Median		3.19	3.29	
Notes: * - Average weekday PM peak hour of generator trip end data de	rived from ITF Trip (Seneration Manua	al (11th Edition). Septemb	per 2021

Notes:

- Average weekday PM peak hour of generator trip and data derived from ITE Trip Generation Manual (11th Edition). September 2021

- Average weekday PM peak pass-by trip rates derived from ITE Trip Generation Manual (11th Edition). September 2021

EXHIBIT L-5

<u>Land Use Density Conversion Factors for the Long-Range Corridor Study San</u>
<u>Bernardino and Riverside Counties</u>, Table 8

Cordoba Corporation/Parsons Brinckerhoff Quade and Douglas, Inc. (PBQD), August 20, 1990.

TABLE 8
EMPLOYEES PER ACRE
RIVERSIDE COUNTY

	Employees *	Floor Space Sq. Ft.	Square Feet Per Employee	Average F.A.R	Employees per Acre
BUSINESS BY LAND USE					
Manufacturing/Industrial	40,383	23,968,000	594	0.25	18
Heavy Manufacturing	6,379	5,117,000	802	0.20	11
General Manufacturing	11,603	6,103,000	526	0.20	17
Light Manufacturing	8,624	3,962,000	459	0.25	24
Manufacturing, Small Module	5,559	3,038,000	547	0.25	20
High Tech Activity and Research	954	411,000	431	0.35	35
Wholesale Trade Industrial	.6,120	4,140,000	676	0.25	16
Warehousing	119	279,000	2,345	0.25	5
General Industrial	1,023	917,000	896	0.20	10
Commercial	79,067	46,304,000	5 86	0.30	22
Retail Trade	34,821	20,125,000	578	0.30	23
Restaurants and Bars	23,345	4,061,000	174	0.30	75
Personnal, Rental and Repair Services	3,452	1,590,000	461	0.30	28
Automotive Repair Services	1,870	1,619,000	866	0.30	15
Equipment Rental	1,080	453,000	419	0.30	31
Wholesale, Trade Commercial	1,521	1,434,000	943	0.25	12
General Commercial	12,978	17,023,000	1,312	0.40	13
Office	41,740	12,226,000	293	0.50	74
Finance/Insurance/Real Estate	7,738	1,095,000	142	0.50	
Finance/Insurance/RE/Small Office	3,945	548,000	139	0.50	1
Professional Services	5,470	1,529,000	280	0.50	<u> </u>
Business Services	6,680	1,966,000	294	0.50	1
General Office	8,900	3,886,000	437	0.50	1 -
Medical Services	9,006	3,201,000	355	0.50	61

^{*} Employment figures do not include government, military and sole proprietorships. Source: Urban Decision Systems (1989), Census Zip Business Patterns (1986)

Filename: Trans rv

EXHIBIT L-6

<u>Orange County Subarea Modeling Guidelines Manual</u>, Appendix C

Orange County Transportation Authority (OCTA)

June 2001

TYPICAL EMPLOYMENT CONVERSION FACTORS (June 2001)

Commercial Commercial Office/Office Park D&DU inht Industria//Business Park		Linpioyille	cimpioyillelli, iybe (refeertate Kanges)	ale Kanges)
	Conversion Rates Range	Retail	Service	Other
	2.25 –2.75 employees/TSF1	%06 - %09	10% - 40%	0% – 5%
	3.00 – 4.00 employees/TSF	0% – 5%	20% - 30%	65% - 80%
	2.50 – 3.50 employees/TSF	0% – 5%	0% - 30%	60% - 100%
Heavy Industrial 2.0	2.00 – 2.50 employees/TSF	%0	%0	100%
Warehouse	1.00 – 2.00 employees/TSF	%0	%0	100%
Restaurant 3.0	3.00 – 5.00 employees/TSF	100%	%0	%0
Medical Office/Post-Offfice/Bank 3.5	3.50 – 4.50 employees/TSF	0% - 10%	70% - 100%	0% - 20%
Government Office/Civic Center 3.0	3.00 – 4.00 employees/TSF	0% – 5%	20% - 70%	25% - 50%
Hospital 2.5	2.50 - 3.00 employees/TSF	%0	70% - 80%	20% - 30%
Library/Museum 1.5	1.50 – 2.50 employees/TSF	%0	100%	%0
Hotel/Motel 0.7	0.75 - 1.25 employees/room	0% - 10%	20% - 80%	10% - 30%
Schools 0.08	0.08 – 0.12 employees/student	%0	%0	100%
Golf Course 0.5	0.50 - 0.70 employees/acre	0% - 10%	90% - 100%	%0
Developed Park/Athletic Fields 0.2	0.20 - 0.40 employees/acre	%0	80% - 100%	0% - 20%
Park	0.05 - 0.10 employees/acre	%0	80% - 100%	0% - 20%
Agricultural	0.01 - 0.05 employees/acre	%0	%0	100%

1 Thousands of Square Feet

EXHIBIT L-7
Employment Density Study, Table IIB
Southern California, October 31, 2001

Table II-A
Derivation of Square Feet per Employee Based on:
--MEDIAN EMPLOYEES PER ACRE

⁻⁻MEDIAN FAR

Land Use Category	Los <u>Angeles</u>	Orange	Riverside Square	San <u>Bernardino</u> e Feet per Emp	<u>Ventura</u> loyee	Imperial	Region
Regional Retail		2,322	165	1,392	990		1,023
Other Retail/Svc.	730	450	1,148	432	412	796	585
Low-Rise Office	471	352	598	1,014	659	415	466
High-Rise Office	377	235					300
Hotel/Motel	1,179		5,273	1,747		808	1,804
R & D/Flex Space	1,717	511	1,121	1,833	277		527
Light Manufacturing	1,214	786	2,221	1,538	202	2,230	924
Heavy Manufacuring							
Warehouse	1,518	1,350	819	2,111	149	3,257	1,225
Government Offices	2,182	408	1,475	851	120	407	672

Table II-B
Derivation of Square Feet per Employee Based on:

⁻⁻AVERAGE FAR

Land Use Category	Los Angeles	Orange	Riverside	San <u>Bernardino</u> e Feet per Emp	<u>Ventura</u>	Imperial	Region
			Oquan	or couper Emp	noyee		
Regional Retail		704	268	1,009	1,165		857
Other Retail/Svc.	424	325	629	124	271	255	344
Low-Rise Office	319	287	481	697	389	632	288
High-Rise Office	440	218					311
Hotel/Motel			3,476	2,544		311	1,152
R & D/Flex Space	1,796	466	867	834	269		344
Light Manufacturing	829	558	1,548	705	189	994	439
Heavy Manufacuring							
Warehouse	1,518	979	581	1,195	131	450	814
Government Offices	1,442	206	208	188	94	322	261

Notes:

⁻⁻AVERAGE EMPLOYEES PER ACRE

[&]quot;--" = Data not available.

EXHIBIT L-8

<u>General Plan</u>, As Amended December 15, 2015.

Appendix E: Socioeconomic Build-Out Projections Assumptions & Methodology, Table E-5

County of Riverside, 2015

Socioeconomic Build-out Assumptions and Methodology



Table E-3: Net Parcel Acre Factors

Land Use Designation	Net Parcel Area
Commercial Retail (CR)	0.75
Commercial Tourist (CT)	0.75
Commercial Office (CO)	0.75
Light Industrial (LI)	0.80
Heavy Industrial (HI)	0.75
Business Park (BP)	0.75

Net Parcel Square Feet: To convert net acres to net square feet, net acres are multiplied by 43,560 feet per acre. For example, 50 net acres of Commercial Office (66.66 gross acres) equals 2,178,000 net square feet.

Floor Area Ratio (FAR): Floor Area Ratio, or FAR, indicates the ratio of gross building square footage permitted on a parcel to net square footage of the parcel. FAR's for Commercial, Industrial and Business Park land uses are identified, in Table E-4, below. See General Plan Glossary for full definition of FAR.

Table E-4: Development FAR Factors

140.0 = 11.5010.0 11.010.0					
	FAR				
Land Use Designation	Minimum	Probable*	Maximum		
Commercial Retail (CR)	0.20	0.23	0.35		
Commercial Tourist (CT)	0.20	0.25	0.35		
Commercial Office (CO)	0.25	0.35	1.00		
Light Industrial (LI)	0.25	0.38	0.60		
Heavy Industrial (HI)	0.15	0.40	0.50		
Business Park (BP)	0.25	0.30	0.60		

^{*}Factor used for theoretical planning estimates.

Building Square Footage: Building square footage for the land use designations listed in the table above are calculated by multiplying the Net Square Feet of each land use designation by the corresponding FAR. For instance, 20,000 square feet of Commercial Retail with an FAR of 0.23 would yield 4,600 square feet of building space.

Square Feet (SF)/Employee Factor: This factor indicates the number of employees typically associated with a given amount of square feet of building space per employee. It is used to estimate the number of jobs resulting for a given land use designation. These factors for the commercial land use designations are listed in Table E-5 below.

Table E-5: Commercial Employment Factors

Land Use Designation	SF/Employee
Commercial Retail (CR)*	500
Commercial Tourist (CT)	500
Commercial Office (CO)	300
Light Industrial (LI)	1,030
Heavy Industrial (HI)	1,500
Business Park (BP)	600

^{*}It is assumed that CR designated lands will build out at 40% CR and 60% MDR.

Employment: Employment for commercial, industrial, and business park land uses is calculated by dividing the total number of building square feet by the SF/Employee factor. For example, 300,000 square feet of commercial office building space would yield 1,000 employees.

Attachment

WRCOG Responses to Public Comments



Building Industry Association of Southern California, Inc.

June 10, 2024

Mr. Cameron Brown TUMF Program Manager Western Riverside Council of Governments 3390 University Ave., Suite 200 Riverside, Ca. 92501

Via Email: Cbrown@wrcog.us

RE: 2024 Draft Nexus Study Comments

Dear Mr. Brown:

On behalf of the Riverside County Chapter of the Building Industry Association of Southern California and our hundreds of home builders, trade partners, and suppliers throughout our region we are writing today to provide initial comments on the 2024 Transportation Uniform Mitigation Fee (TUMF) Nexus Study.

First, we want to thank Western Riverside Council of Governments (WRCOG) for its early outreach to our industry regarding the 2024 TUMF Nexus Study. The two workshops held in advance of the close of the initial comment period were beneficial to our members and we appreciate the education and outreach efforts.

The proposed single-family residential fee of \$15,025 per dwelling is a 48% increase from the current fee level and will increase new home prices already burdened by a difficult interest rate environment. While we understand the costs of roadway design and construction have increased, we would respectfully ask WRCOG to carefully examine the scope and pricing of its roadway network proposal, to seek savings that will reduce the new fee as much as possible.

We appreciate WRCOG's attention to the new fee requirements under AB 602. The AB 602 analysis included as a part of this study was informative. The findings related to home square footage and trip generation resemble what our builders find anecdotally in the regional home marketplace. We believe additional refinement of the proposed Fee Tiers in the AB 602 proposed fee would be important. Home buyers in the lower Fee Tier homes, tend to be first time buyers and are more sensitive to even modest price increases. Additionally, our members might be able to assist WRCOG as you look at regional trends in home size looking forward and we would be pleased to assist you in this regard.

Finally, implementation timing of the proposed TUMF increase is of critical importance to our members. As you know, the pipeline to project approvals is often 3 to 4 years out given the challenge CEQA poses in the entitlement process. Economic assumptions of any given housing proposal have been fixed long before homes are built, so fee increases late in the process can burden or even render some projects infeasible. A TUMF increase of this magnitude will have significant economic impacts to projects currently in the development process. We would respectfully ask that WRCOG consider a phase in

approach to the new fee that is moderate and gradual. Additionally, we would ask that no new increase to the TUMF fee occur any earlier than July 1, 2025 to allow ample time for builders to prepare for the increase and factor it into their economic models moving forward.

We appreciate the opportunity to provide initial comments on the 2024 TUMF Nexus Study. We look forward to further dialogue and collaboration as the process moves forward. Our industry stands ready to assist WRCOG with market data and insights that might be helpful as you consider the new fee and its implementation.

Sincerely,

Lou Monville

for Markle

Senior Vice President, Riverside County Chapter Building Industry Association of Southern California



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July 22, 2024

Lou Monville Southern California Building Industry Association (BIA) Senior Vice President, Riverside Chapter

Dear Mr. Monville,

Thank you for your thoughtful comments regarding the Transportation Uniform Mitigation Fee (TUMF) Nexus Study. We appreciate the Southern California BIA's involvement and your detailed feedback. We would like to address a few of the comments you made in your letter.

Comment: Fee Increase and Cost Savings

You expressed concern about the significant increase in fees and suggested looking for cost savings by eliminating other facilities.

Response: We have already taken steps to address this concern. Our team thoroughly analyzed the network and eliminated unneeded projects, ensuring that the TUMF only includes necessary and justified projects.

Comment: New Fee Requirements of AB 602

You thanked WRCOG for addressing the new fee requirements of AB 602 regarding home square footage and trip generation and suggested further refinement of the proposed Fee Tiers, particularly for lower Fee Tier homes that often attract first-time buyers.

Response: We would like to give a through response on AB-602 as this questions seems to arise often.

AB 602 has been in effect since January 1, 2022. This legislation imposes several requirements on mitigation programs and nexus studies. One of the most impactful changes was a requirement that fees for residential uses be assessed proportional to the size of the dwelling unit instead of a uniform fee. Like many fee programs, the TUMF program has historically assessed a consistent fee for all residential units with only a distinction between single-family homes and multi-family units.

Since 2022, WRCOG has evaluated the impacts of AB 602 and determined how best to comply with these requirements. This process has included a detailed analytical study regarding travel behavior in the WRCOG region, which determined that there was a relationship between the size of a single-family home and the number of trips generated by that home.

This data, combined with historical data regarding residential development patterns for the past three years, allowed WRCOG to develop a potential approach to comply with AB 602. This approach creates a series of 4 tiers which pivot off a standard single-family rate to account for homes which are both smaller and larger than the average new home in the WRCOG region.

One significant benefit to this approach is that it lessens the impact of any TUMF increase on first-time home buyers, who are often the most price-sensitive home buyers. These home buyers often purchase the least expensive homes, which are also the smaller homes.

It was also determined that the best approach to implement these tiers would be as follows:

- 1. Calculate the base single-family fee in the Nexus Study as is our traditional practice
- 2. Determine the appropriate tiers based on current data related to travel behavior and development trends. Homes smaller than the current average for new homes would pay less than the base single-family rate while homes larger than the current average would pay more than the base single-family rate
- 3. Implement these tiers through an update to the Fee Calculation Handbook, as is the case with any specialized fee calculation for TUMF applications
- 4. The fees would be paid for each single-family home based on the size of the dwelling unit, which is similar to how many of the non-residential TUMF fees are calculated. The fee payment portal maintained by WRCOG automatically calculates the fee based on the actual size of each single-family home. This approach ensures that there is no additional work required by our member agency staff or WRCOG staff.

This approach requires an update to the Fee Calculation Handbook, which is a routine activity that always follows any TUMF Nexus Study updates. This updated Fee Calculation Handbook will require review and approval by WRCOG's various staff and elected official committees prior to the implementation of any new fees.

Comment: Impact on Current Projects and Phased Implementation

You raised concerns that a significant TUMF increase could profoundly impact projects currently in development, given the extended timeline for project approvals due to CEQA challenges and prior economic projections for housing projects. You requested that WRCOG consider a phased and gradual approach to implementing the new fee, with no increase until at least July 1, 2025.

Response: The Executive Committee will determine the implementation approach for the fees, including the possibility of a phased introduction. The date of implementation will also be decided by our Executive Committee, but given the regulatory requirements for new fees, any changes will likely not take effect until February 2025 at the earliest, with a later implementation very likely.

Thank you again for your valuable input and for your continued collaboration. If you have any further questions or need additional information, please do not hesitate to reach out.

Sincerely,

Cameron Brown

Program Manager

Cameron Brown

From: A.I.M. <ianthe83@gmail.com>
Sent: Thursday, May 30, 2024 3:42 PM

To: Cameron Brown

Subject: TUMF Nexus Study Comments

Good afternoon,

I am a resident of Riverside County (Riverside City specifically) and in reviewing your PowerPoint Presentation of your study outcomes justifying the increase in building fees, I fail to see how retail, commercial, and warehouses should be paying the lowest fees. The majority of the presentation seems to focus on this. Warehouses, Commercial businesses, and developers cause significant impact to the roads and increase in traffic to the community and also make the most profit from the improvement of roads and transportation. They should incur fees that are significantly higher than home buyers. California is already an incredibly expensive place to live and we are losing our population as it ages or is priced out of the state. I realize these costs impact both the individual and businesses, but businesses are typically able to weather these cost of living increases if they are sustainable, non-exploitative businesses to begin with (this is often the case that they rather make exorbitant profits than care about the community they are impacting). The larger burden to make these important improvements should not be placed on the shoulders of individual community members who are barely surviving in these times. Do we need improved roads and transportation, yes. But we only need these improvements at the levels we need them due to an increase of traffic often spurred by business and big builders. The burden needs to land with them. Just my two cents as a concerned homeowner.

Thank you, Alesha Marshall



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July 22, 2024

Dear Ms. Marshall

Thank you for sharing your concerns regarding the construction of warehouses in Jurupa Valley and the benefits provided to facilitate their development. We appreciate your engagement and the time you have taken to express your views.

You raised valid points about the potential negative impacts of warehouses, including congestion, air pollution, and general nuisance. These concerns are important and need to be addressed as part of our planning and community development processes.

Warehouse and all industrial development projects are required to pay their fair share based on the traffic they generate. By law, the Nexus Study cannot assign fees beyond what the development use generates in traffic congestion. It's important to note that the Nexus Study focuses on traffic-related impacts and does not mitigate other effects such as air pollution and public nuisance.

We understand the need for a balanced approach to development that considers all impacts, and we are committed to exploring additional measures to address the concerns you and other community members have raised.

Thank you again for your valuable input. If you have any further questions or need additional information, please feel free to reach out.

Sincerely,

Cameron Brown Program Manager

Cameron Brown

From: Savat Khamphou <Savat.Khamphou@CoronaCA.gov>

Sent: Wednesday, May 15, 2024 7:46 AM

To: Chris Gray

Cameron Brown; Karla Felix; Pedro Cevallos; Kenny Nguyen; Brett Channing

Subject: RE: Draft TUMF Nexus Study

Good morning, Chris.

Thank you for sending the Draft Nexus study. I did notice that the City of Corona's project cost for the McKinley Grade Separation at BNSF is estimated at \$105 million, yet no TUMF share is associated with it. Could it be that the study is assuming the project is complete? Since the project is not yet completed and funds are still needed, I'd like to continue discussions with WRCOG about whether TUMF funds are still an option for our project.

Thank you.



Savat Khamphou
Public Works Director
P: (951) 279-3604 C: (951) 264-8907
400 South Vicentia Avenue
Corona, CA 92882
www.coronaca.gov







City Hall hours are Monday-Thursday, 7 AM-6 PM. Closed Fridays

From: Chris Gray <cgray@wrcog.us> **Sent:** Tuesday, May 14, 2024 10:56 PM **To:** Chris Gray <cgray@wrcog.us>

Cc: Cameron Brown <cbrown@wrcog.us>; Karla Felix <kfelix@wrcog.us>

Subject: Draft TUMF Nexus Study

You don't often get email from cgray@wrcog.us. Learn why this is important

[CAUTION] DO NOT CLICK links or attachments unless you recognize the sender and know the content is safe.

Good Evening Everyone,

The Draft TUMF Nexus Study has been posted to WRCOG's website and can be found here:

https://www.wrcog.us/201/Studies-Documents

Please let Cameron Brown know if you have any questions or comments on the study.

WRCOG will be hosting two public informational meetings on the Draft Nexus Study over the next 3 weeks. The first meeting is on May 21st and you can access the meeting link here:

Join Zoom Meeting

https://us02web.zoom.us/i/89591934134?pwd=dkJGdGo2d0d5OE1MUW53NkM1NIYzUT09



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July 22, 2024 Savat Khamphou Public Works Director City of Corona Corona, CA 92882 400 South Vicentia Avenue

Dear Mr. Khamphou,

Thank you for your comments regarding the Transportation Uniform Mitigation Fee (TUMF) Nexus Study. We appreciate the City of Corona's involvement and your attention to detail in reviewing the study.

The City of Corona noticed that the McKinley Grade Separation at BNSF is estimated at \$105 million, yet there is no TUMF share associated with it. The reason for this is that McKinley received funds from outside sources such as SB132, which provide more funding than the TUMF estimate for the project. Therefore, TUMF can provide no further funding as part of this Nexus Study. However, WRCOG has recently worked closely with the City to provide funding based on the previous study. The latest TIP reflects the additional funding that could be provided.

Thank you again for your valuable input and for the continued collaboration. If you have any further questions or need additional information, please do not hesitate to reach out.

Sincerely,

Cameron Brown Program Manager

Cameron Brown

From: Stuart McKibbin <stuart@trilakeconsultants.com>

Sent: Monday, June 10, 2024 11:19 PM

To: Cameron Brown

Cc: Randel, Travis; 'rjohnson@sanjacintoca.gov'

Subject: RE: Deadline for TUMF Nexus Study Comments: June 10th - City of San Jacinto

comments

Good evening Cameron,

For the City of San Jacinto, we have no comments to make on the WRCOG's proposed specific project costs or TUMF shares.

However, the City would request that WRCOG revisit our proposed additions to the TUMF Arterial Network: Seventh Street between its western terminus and Warren Road, and the Seventh Street Bridge over MWD's San Diego Canal. The two facilities are listed in Exhibit G-1 in Appendix G.

Exhibit G-1 states there is no v/c deficiency, but we believe the analysis does not take into account the increased pressure on the City's arterial system caused by the upcoming construction of the Mid-County Parkway widening to Warren Road. Moreover, by implementing a segment of Seventh Street that is currently non-existent, we believe the analysis should consider the additional benefits to the network's regional connectivity and continuity. As of now, residents would travel west to a dead end, but closing the gap on Seventh street would relieve pressure on the other arterials in the City, particularly Sanderson Ave and Ramona Expressway.

Thank you for your consideration. See you Thursday.

Stuart E. McKibbin, PEContract City Engineer City of San Jacinto



A SAFEbuilt COMPANY

1221 S. San Jacinto Ave. | San Jacinto, CA 92583 office: 951.654.3592 | DIR: 909.645.0678

website | linkedin | email

From: Cameron Brown <cbrown@wrcog.us>

Sent: Monday, June 3, 2024 4:35 PM



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July 22, 2024

Stuart McKibbin Contract City Engineer City of San Jacinto 1221 S. San Jacinto Ave. San Jacinto, CA 92583

Dear Mr. McKibbin,

Subject: Response to Comments on TUMF Nexus Study

I trust this letter finds you well. Thank you for your recent feedback regarding the TUMF Nexus Study. We have carefully considered the City of San Jacinto's request to revisit the proposed TUMF Arterial Network project for Seventh Street between Warren Road and the Seventh Street Bridge over MWD's San Diego Canal.

At this time, we are not considering the evaluation of new projects as part of the current study. However, I want to assure you that your request has been noted, and we will reevaluate this project at the next update of the study at the City of San Jacinto's request.

Should you have any further questions or require additional information regarding this matter, please do not hesitate to contact me directly at cbrown@wrcog.us or 951-405-6712

Thank you for your ongoing collaboration and input into the TUMF Nexus Study. We value our partnership with the City of San Jacinto and look forward to addressing your concerns in future updates.

Sincerely,

Cameron Brown Program Manager

Cameron Brown

From: Mustafa, Nathan < NMustafa@riversideca.gov>

Sent: Monday, June 10, 2024 7:35 PM

To: Cameron Brown

Cc:Hernandez, Gilbert; Scully, ChrisSubject:TUMF Nexus Study Comments

Cameron,

Please find below our comments on the draft TUMF Nexus Study, we are happy to discuss in additional detail at your convenience:

- 1. "Government/Public Sector" appears to be a new category and is \$22.40/SF, this appears to be excessive. It further appears that the study adds this category and removes "Class A/B Office" which used to be \$2.45/SF. Government/Public Sector appears to include schools, whereas schools used to be exempt, has WRCOG confirmed that the TUMF can be applied to all of the proposed public sector facilities? If schools are no longer exempt and they need to pay \$22.40/SF, which would pose a significant challenge for our educational facilities amongst other public buildings.
- The state of California continues to contend with a housing crisis. A key barrier to housing is the
 cost of developing housing in our state. The below report documents increasing local exactions as
 a key contributor to the trend of higher costs to develop housing in
 CA: https://ternercenter.berkeley.edu/wp-content/uploads/pdfs/Hard_Construction_Costs_March_2020.pdf
- 2. Single Family Residential (SFR) is increasing almost 50% from \$10,104 to \$15,025 and Multi-Family is only increasing by 15% from \$6,580 to \$7,588. This does not appear to be proportional; the traffic impact would be more similar unless there is compelling evidence to demonstrate that Multi-Family would have lesser impacts from a VMT perspective. Is some of the discrepancy the result of the potential for SFRs to include Accessory Dwelling Units (ADUs)? If so, would a separate category for ADUs be an acceptable alternative?
 - 2A. Could the fee instead be based off of actual building square footages for single family residential? This may help alleviate the impact on more affordable single family housing and help the City to meet RHNA objectives. This would align with the VMT-based approach used within the nexus study.
- 2B. Riverside Public Works staff suggest that proposed increases are exacted in greater proportion on industrial developments. While it is understood that the nexus study assigned proportional fees based on VMT, heavy vehicles associated with goods movement damage our local roadways and cause more congestion on a per-vehicle basis. The VMT for these developments should be appropriately weighted to account for the impacts attempting to be addressed using the VMT-based approach. Furthermore, it is unclear whether percentage of residential VMT occurring on the regional TUMF roadway network, was a key factor when assessing proportional impacts as many residential trips occur to and from schools, retail, etc. within a municipality. To expand on this notion, the specific location of a

development is a more significant determinant of its vehicle miles traveled as opposed to the anticipated trip generation. Why is all housing of a specific type treated equally?

2C. If retail and commercial developments were adjusted to account for ITE pass-by rates, were residential developments adjusted to account for internal capture within areas zoned as mixed use? (Page 11). Furthermore, if VMT is the basis of assigning TUMF fees, do developments found to fully mitigate their regional VMT impacts through a CEQA study or those who screen out using a VMT screening tool find themselves exempted from TUMF? Unlike Level of Service, when VMT is addressed at a local level it is simultaneously addressed at a regional level.

The nexus study references that the TUMF can be used to offset a development's VMT impact, is the opposite true? Housing, when located strategically, has the potential to reduce regional Vehicle Miles Traveled.

- 3. Section 1.3.1 subsection 6 references the RivTAM model, which precedes the updated RivCOM model. Was this intentional for the specific analysis needed, or an error?
- 4. The nexus study references that a primary tool in developing fee assignment is VMT per unit; however, it is unclear that the proposed improvements will reduce VMT. Rather, the approach appears to link VMT to Level of Service. Was the potential for TUMF network improvements to induce VMT accounted for? It merits restating that local serving facilities or strategically located housing have the potential to reduce regional-level vehicle miles traveled.

Sincerely,

Nathan Mustafa, PE, TE, AICP, MBA

Deputy Public Works Director / City Engineer City of Riverside Public Works Department, Administration

Main: 951.826.5670 Direct: 951.826.2251 RiversideCA.gov

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July 22, 2024

Nate Mustafa Deputy Public Works Director/City Engineer City of Riverside Public Works Department, Administration

Dear Mr. Mustafa,

Thank you for your comments regarding the Transportation Uniform Mitigation Fee (TUMF) Nexus Study. We appreciate the City of Riverside's involvement and your detailed review of the study.

Regarding the proposed new category of "Government/Public Sector" and the concern about excessive fees, please note that this is not a new category in the study. The fees are shown to demonstrate that the trips caused by these uses still need to be mitigated from other sources. These uses remain exempt from paying TUMF fees.

We have noted the report attached to your comments about the current key barriers the state is facing in trying to develop housing. Thank you for sharing this valuable information.

Regarding the increase in Single Family Residential (SFR) fees compared to Multi-Family Residential (MFR) fees, SFR pays higher trip rates per unit than MFR. Each category pays its fair share of the impact being created from its specific use based on its trip generation rate and its proportional growth in the region. Accessory Dwelling Units (ADUs) are exempt under the TUMF program at the discretion of the Executive Committee. This exemption can be reevaluated by the committee at a later date.

Having the fee based on actual building square footage for SFRs could help with more affordable housing and be reflective of the analysis used in the Nexus Study. AB-602 requires a square foot calculation on SFR, which will be implemented in the next update of the Fee Calculation Handbook.

Regarding the locations of the project as a determinant for trip generation, the Nexus Study calculates fees based on a combination of trip generation rates and VMT. VMT is accounted for in the RIVCOM model as it takes into account trip length, which is a factor in identifying mitigation needs. VMT is also used to determine the split in proportional impact between residential and non-residential uses.

We do make an adjustment for Transit-Oriented Development (TOD) but not specifically for mixed-use areas. TUMF does not mitigate VMT impact and cannot be used as a mitigation for those impacts.

Thank you for pointing out the reference to the RivTAM model in Section 1.3.1 subsection 6. We have made the correction to reflect that RIVCOM, not RivTAM, was used in the transportation modeling for the study.

TUMF vs SB-743

Considering your questions regarding VMT, we would like to provide a thorough response to this as these questions frequently arise on VMT vs LOS mitigation.

SB 743 was signed into law in 2014 and went into effect on July 1, 2020. SB 743 requires that the CEQA documents analyze transportation impacts of a project using vehicle miles traveled (VMT) instead of level of service (LOS) or other delay-based metrics.

SB 743 had a significant impact by changing the way in which traffic studies were done for CEQA documents. Agencies had to determine appropriate analysis tools, impact thresholds, and potential mitigation measures as an VMT-centric approach is very different from an LOS-based approach.

Recognizing the potential impacts of SB 743, WRCOG completed the first regional study regarding SB 743 implementation which developed sample guidelines, thresholds, and analytical tools to assist WRCOG member agencies with the transition to VMT as a CEQA analysis metric. This study was completed in 2018.

In 2019, WRCOG commenced an effort to develop an approach to mitigation potential VMT mitigation impacts through a program separate from TUMF. At that time, a policy decision was made to maintain the focus of TUMF to mitigate congestion, which means that TUMF primarily funds expansions of roadways, interchanges, grade separations and other facilities. While TUMF does provide some funding to Riverside Transit Agency (RTA), over 90% of TUMF funds are allocated to roadway infrastructure projects.

The purpose of a VMT mitigation program is to identify programs and projects that reduce VMT which could include bicycle/pedestrian infrastructure, subsidized transit passes, contributions to affordable housing, and other similar efforts.

This policy decision reflects a clear demarcation between TUMF and any efforts to mitigate VMT. The following should be noted:

- SB 743 does not change any of the requirements of AB 1600 and therefore has no effect on the preparation of Nexus Studies such as the TUMF Nexus Study
- Payment of TUMF fees do not provide any VMT mitigation benefits since those are separate programs for development projects

- The TUMF Program does not provide any CEQA mitigation for any development or transportation project impacts
- Any transportation infrastructure project contained in the TUMF Nexus Study will be required to assess and mitigate all environmental impacts per the requirements of CEQA including any potential impacts related to VMT

It should be noted that the National Center for Sustainable Transportation (NCST)/Institute of Transportation Studies (ITS) at University of California, Davis released a white paper entitled From LOS to VMT: Repurposing Impact Fee Programs Since Adoption of SB 743 (November 2023). This document argues the SB 743 provides an opportunity for agencies for agencies to redirect their transportation impact fee programs towards more multi-modal improvements.

However, this white paper does not say that agencies are required to change their approach to impact fees and specifically states the following on Page ii:

Furthermore, even if they cannot do so for CEQA mitigation, cities can also still impose impact fees to improve/maintain LOS under provisions of the state's Mitigation Fee Act (MFA), so long as the fee program complies with requirements for demonstrating a "rational nexus" between the fee's purpose, the need for the fee, the cost of facilities for addressing the need, and the allocation of the fee to new development based on its contribution to the demonstrated need.

Therefore, this document acknowledges that WRCOG has the discretion to continue to develop and implement a fee program which funds roadway infrastructure projects as long as such a program complies with the requirements of AB 1600.

Thank you again for your valuable input and for the continued collaboration. If you have any further questions or need additional information, please do not hesitate to reach out.

Sincerely,

Cameron Brown Program Manager



Tel: 951.413.3100 www.moval.org 14177 Frederick Street P.O. Box 88005 Moreno Valley, CA 92552-0805

June 4, 2024

Mr. Cameron Brown, Program Manager Western Riverside Council of Governments 3390 University Ave., Suite 200 Riverside, CA 92501-3314

SUBJECT: Comments Concerning the Transportation Uniform Mitigation Fee Nexus

Study, 2024 Update

Dear Mr. Brown,

The City of Moreno Valley (City) greatly appreciates the opportunity to review and provide comments concerning the Transportation Uniform Mitigation Fee (TUMF) Nexus Study, 2024 Update. The City acknowledges the ongoing collaboration and partnership necessary to develop the TUMF Program. As such, the City would like to take this opportunity to share our concerns about the recent 2024 Nexus Study update.

The draft update identifies State Route 60 (SR 60) interchanges within the City of Moreno Valley and the City's arterial roadways as adequate for the 2045 build-out. This designation eliminates funding, which is a significant shift from the 2016 Nexus Study, in which WRCOG partnered with the City as a key stakeholder to develop a comprehensive approach between our Development Impact Fee (DIF) and the regional TUMF.

The City of Moreno Valley is the second largest city in Riverside County. Nearly forty percent of the City consists of undeveloped territory, which is currently experiencing explosive growth, particularly in logistic facilities. This growth is set to establish the City as one of the largest logistic hubs in the State of California, providing freight transport to the entire Southern California region. This expected growth will drastically increase the freight transport and safety needs of the area. In addition, regional traffic emanating from growth in neighboring communities relies heavily on these critical connections.

The City respectfully requests that the 2024 Update be revised to include the following:

- Redlands Boulevard / SR 60 Interchange
- Theodore Street/WLC Parkway / SR 60 Interchange
- Theodore Street / World Logistic Center (WLC) Parkway from Ironwood Avenue to Cactus Avenue
- Cactus Avenue from World Logistics Center (WLC) Parkway/Alessandro Boulevard to Heacock Street
- Eucalyptus Avenue from WLC Parkway to Gilman Springs
- Moreno Beach Drive from Eucalyptus Avenue to Iris Avenue/ John F. Kennedy (JFK) Drive

The City strongly believes that the inclusion of these facilities will enhance the region's overall network connectivity, accomplishing the intent of the TUMF program.

Please feel free to contact me by phone at 951.413.3100 or by email at melissaw@moval.org to coordinate a time to discuss further.

Sincerely,

Melissa Walker, P.E.

Public Works Director/City Engineer



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July 29, 2024

Melissa Walker Public Works Director/City Engineer City of Moreno Valley 14177 Frederick St. Moreno Valley, CA 92553

Dear Ms. Walker,

Thank you for your valuable comments on the Transportation Uniform Mitigation Fee (TUMF) Nexus Study and for acknowledging the collaboration and partnership needed to develop the TUMF Program. We appreciate the City of Moreno Valley's involvement and your continued support.

Comment: 2045 Build-Out and Funding

You mentioned that the 2024 Nexus Update identifies SR-60 Interchange and other arterial roadways as adequate for the 2045 build-out, eliminating significant funding.

Response: The TUMF Nexus Study has a 2040 future year and does not extend to local general plan buildout projections. This approach helps us align better with regional transportation planning.

Comment: Growth in Warehousing and Funding Needs

You highlighted the explosive growth in warehousing in Moreno Valley and the need for the Nexus Study to reflect the city's funding needs and the increased freight transportation and regional traffic it will create.

Response: A possible reevaluation of this concern will be considered in the next Nexus Study update. Currently, the forecast does not call for such mitigation in the World Logistics Center (WLC) plan area.

Comment: Requested Updates to Specific Road Segments

You requested that the update reflects changes to the following segments: Redlands Blvd/SR-60 Interchange, Theodore St/WLC Parkway/SR-60 Interchange, Theodore/WLC (Ironwood Ave. to Cactus Ave), Cactus Ave (WLC/Alessandro Blvd to Heacock St), Eucalyptus Ave (WLC Parkway to Gilman Springs), and Moreno Beach Drive (Eucalyptus Ave to Iris Ave/JFK Drive).

Response: We are adding the Theodore and Redlands Blvd Interchanges back into the study as they already have agreements in place. This will add an additional \$64,000,000 in potential funding for these projects. However, there is no justifiable reason for adding the other segments based on current needs, as there is no mitigation required based on the analysis.

Thank you again for your detailed feedback and for the continued collaboration. If you have any further questions or need additional information, please do not hesitate to reach out.

Sincerely,

Cameron Brown

Program Manager

Cameron Brown

From: Yurhi Choi <ychoi@eastvaleca.gov>
Sent: Wednesday, May 29, 2024 9:57 AM

To: Cameron Brown

Cc: Sandra Fernandez; Jimmy Chung

Subject: FW: Draft TUMF Nexus Study- Public Review Period

Hi Cameron,

The City had a chance to review the draft report and had some comments and questions on Exhibit H-1. Please see below:

- a. Schleisman from Scholar to Hamner (page 209 of 286): these segments of Schleisman are fully built out. There is no capacity for constructing additional lane(s). Therefore, New Lane cost and ROW cost are not applicable. Can we still get ITS cost allocated to these segments?
- b. Archibald from Remington (SB County) to 65th St (page 212 of 286): these segments of Archibald can accommodate additional northbound lane.
- c. Hamner from Mission to Bellegrave: the city limit is located at the center line of the street. West half is in City of Ontario, and the east half is in City of Eastvale. These segments of Hamner in Eastvale side are fully built out. There is no capacity for constructing additional lane(s).
- d. Hellman from Schleisman to Walters: the city limit is located at the center line of the street. West half is in City of Chino, and the east half is in City of Eastvale. There is one northbound lane, and future will accommodate two. Should the calculation be updated so it accounts for the improvements in the Eastvale side only?
- e. Hellman bridge: see comments in d above.
- f. Limonite from Harrison to Archibald: there are currently five lanes, and it can accommodate additional eastbound lane. Update the table to account for additional lane.
- g. River from Hellman and Archibald (page 212 of 286): the segment to shall be updated to Hall Ave. River from Hall to Archibald already has four lanes.

There is a project that is eligible for TUMF credit. I worked on the credit amount with Chris Gray, and my colleague took over the coordination. I am not sure if the agreement is already in place, but if it is not, will the figures need to be updated per the new study? The max TUMF share seems low (i.e. Hamner from Amberhill to Limonite) when compared to 2016 Nexus Study.

Let me know if you have any questions.

Thanks!

Yurhi

From: Jimmy Chung <jchung@eastvaleca.gov> Sent: Wednesday, May 15, 2024 10:58 AM To: Yurhi Choi <ychoi@eastvaleca.gov>

Subject: FW: Draft TUMF Nexus Study- Public Review Period

Fyi.

From: Mark Orme < morme@eastvaleca.gov > Sent: Wednesday, May 15, 2024 5:02 AM

To: Amanda Wells < <u>Awells@eastvaleca.gov</u>>; Gustavo Gonzalez < <u>ggonzalez@eastvaleca.gov</u>>; Jimmy Chung < <u>jchung@eastvaleca.gov</u>>



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July 22, 2024

Yurhi Choi Senior Engineer City of Eastvale 12363 Limonite Avenue, Suite 910 Eastvale, CA 91752

Subject: City of Eastvale – Nexus Study Comments

Dear Ms. Choi:

Thank you for adding your comment on the TUMF Nexus Study during our public comment review period. We appreciate the feedback received. We would like to provide feedback regarding your comments that we received.

- 1) Schleisman from Scholar to Hamner are fully built out. Can ITS costs be allocated to those segments?
 - a. Schleisman along this segment is nearly 95% built out. There is only a small amount of funds remaining on the estimated cost. However, these funds can be used towards ITS, restriping to allow the max lanes, and other TUMF eligible expenses.
- 2) Hamner from Mission to Bellegrave is divided with San Bernardino County. There is no longer any capacity.
 - a. The Nexus Study already considers the piece outside of the City and County via a "Percent Complete" factor built into the Nexus Study project table. We also realize that the segment is built out on the Eastvale side and will revise the study to show that it is 100% complete.
- 3) Hellman from Schleisman to Walters is divided with San Bernardino County. One additional NB lane with plans to make it into two.
 - a. Same as answer for #2. Calculations already account for the work needed on the Eastvale side.
- 4) Limonite from Harris to Archibald can accommodate an additional EB lane. Will the Nexus Study account for the lane.
 - a. The Nexus Study analysis shows that no mitigation is needed beyond 4 lanes. The program can't justify adding funding for an additional lane.
- 5) River from Hellman to Archibald already has 4 lanes
 - a. This completion is accounted for in the Nexus Study as being 48% complete
- 6) Please review the amount allocated to Hamner from Amberhill to Limonite as it seems like it is a decrease from 2016.
 - a. The decrease is due to the percent completion in the Nexus Study update to what it was in the 2017 Nexus Study. 2017 had this at 14% complete while the new update has it at 55% complete.

If you have any questions regarding this response, please contact me at (951) 405-6712 or by e-mail at cbrown@wrcog.us.

Regards,

Cameron Brown Program Manager

Cameron Brown

To: John Pourkazemi

Subject: Deadline for TUMF Nexus Study Comments: June 10th

From: John Pourkazemi < jpourkazemi@cityofperris.org>

Sent: Monday, June 10, 2024 10:56 AM

To: Cameron Brown <cbrown@wrcog.us>; Chris Gray <cgray@wrcog.us>

Cc: Clara Miramontes < CMiramontes@cityofperris.org>; Brad Brophy < bbrophy@CityofPerris.org>; Grace V. Alvarez

<galvarez@cityofperris.org>; Habib Motlagh <habibtrilake@gmail.com>
Subject: FW: Deadline for TUMF Nexus Study Comments: June 10th

Hello Chris and Cameron,

Eulating Dealasts

In review of the draft 2024 Nexus as shown in the table below listing the TUMF share associated with the projects, we would like to verify that the requested amounts of TUMF share as allocated in the Central Zone TIP for the three Ethanac projects are confirmed and maintained per current max TUMF share, as previously discussed.

Existing Projects				
Street	From	То	Current Max TUMF Share	2024 DRAFT Nexus TUMF Max Share
11th/Case	Perris	Goetz	\$ 2,625,000.00	\$ 4,582,000.00
Case	Goetz	I-215	\$ 16,936,000.00	\$ 20,876,000.00
Case	(Bridge over SJ River)		\$ 534,000.00	\$ 1,740,000.00
Ethanac	SR-74	Keystone	\$ 6,414,000.00	\$ 4,666,000.00
Ethanac	Keystone	Goetz	\$ 8,324,000.00	\$ 6,056,000.00
Ethanac	(Bridge over SJ River)		\$ 7,958,000.00	\$ 5,568,000.00
Ethanac	I-215	Sherman	\$ 2,433,000.00	\$ 5,316,000.00
Goetz	(Bridge over SJ River)		\$ 2,077,000.00	\$ 3,398,000.00
Evans	Nuevo	Ellis	\$ 10,521,000.00	\$ 17,705,000.00
Evans	(Bridge over SJ River)		\$ 7,378,000.00	\$ 11,136,000.00
Ethanac/I-215 Interchange			\$ 15,766,000.00	\$ 32,698,000.00
SR-74/Case Rd/I-215 Interchange			\$ 8,815,000.00	\$ 21,835,000.00
New Projects				
Street	From	То	Current Max TUMF Share	2024 DRAFT Nexus TUMF Max Share
Ellis	Goetz	Evans	\$ -	\$ 9,526,000.00
Evans	(Bridge over I-215)		\$ -	\$ 8,352,000.00
Fees				
Land Use Type	Units	Fee Per Unit Current Nexus	Fee Per Unit 2024 DRAFT Nexus	
Single Family Residential	DU	\$ 9,418	\$ 15,025	
Multi Family Residential	DU	\$ 6,134	\$ 7,588	1
Industrial	SF GFA	\$ 1.77	\$ 2.26	
Retail	SF GFA	\$ 12.31	\$ 10.88	
Service	SF GFA	\$ 4.56	\$ 9.47	1
Government/Public	SF GFA	\$ 16.08	\$ 22.40	1



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July 22, 2024

John Pourkazemi City Engineer City of Perris 101 N D St. Perris, CA 92570

Dear Mr. Pourkazemi,

Subject: Response to Comments on TUMF Nexus Study

I hope this letter finds you well. Thank you for your comments regarding the TUMF Nexus Study. We appreciate the City of Perris's diligence in verifying the TUMF share of certain projects in the Central Zone TIP, specifically for the three Ethanac projects.

To address your concern, please note that these projects are "grandfathered" into the program based on the 2017 Nexus Study. The city already has allocations on the TIP and reimbursement agreements for these projects. Rest assured, this funding will not be removed, and the maximum share will remain unchanged.

Should you have any further questions or require additional information, please do not hesitate to contact me directly at [Your Phone Number] or [Your Email Address].

Thank you once again for your attention to the TUMF Nexus Study. We value our ongoing partnership with the City of Perris and look forward to continuing our collaboration.

Sincerely,

Cameron Brown Program Manager

Cameron Brown

To: Chris Gray

Subject: RE: Draft TUMF Nexus Report

From: Jason Simpson < jsimpson@Lake-Elsinore.org>

Sent: Thursday, April 25, 2024 9:19 AM **To:** Chris Gray <<u>cgray@wrcog.us</u>> **Subject:** Draft TUMF Nexus Report

Hi Chris,

I hope this email finds you well. I am reaching out regarding the draft Nexus Study. Upon review, the City has some questions regarding segments listed in Table 4.4. I would appreciate clarity on the following:

- Franklin Interchange listed as \$0
- Nichols Road Bridge listed as \$0
- Lake Street Bridge listed as \$1.15M Note: Lake Street would require widening to 6 lanes; the current bridge accommodates only 2 lanes
- Temescal Canyon from I-15 to Lake Street: Does this encompass Temescal Canyon in both City and County jurisdictions?
- In general: Are other segments with figures greater than \$0 updated to reflect their new Maximum TUMF share?

Could we schedule a meeting to discuss these segments at your earliest convenience? Addressing these points beforehand will be beneficial before meeting with any Council Members. Thank you for your time.

Best regards,

Jason Simpson City Manager PH:951-674-3124 x204





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July 29, 2024

Jason Simpson City Manager City of Lake Elsinore 130 S Main St. Lake Elsinore, CA 92530

Dear Mr. Simpson,

Subject: Response to Comments on TUMF Nexus Study

I hope this letter finds you well. Thank you for your recent correspondence regarding the TUMF Nexus Study. We appreciate the City of Lake Elsinore's diligence in verifying the allocation of funds to specific projects listed in Table 4.4.

In response to your inquiry, we have carefully reviewed and adjusted the study to include allocations for the Franklin Interchange, Nichols Rd Bridge, and Lake St Bridge projects. These projects add an additional \$37,000,000 in potential funding to the city. Detailed information regarding the allocated amounts for each project can be found in Exhibit H-1 of the study document.

Should you require any further assistance or clarification regarding the adjustments made, please feel free to contact me directly at cbrown@wrcog.us.

Thank you once again for your interest and valuable feedback on the TUMF Nexus Study. We look forward to continuing our collaboration with the City of Lake Elsinore.

Sincerely,

Cameron Brown Program Manager Cc: Chris Gray < cgray@wrcog.us>

Subject: RE: TUMF: Winchester Road north of Keller Road

Hello Cameron,

I noticed a draft of the Nexus Study is available online. Do you know if the error has been addressed? I didn't see a line item for SR-79 (Winchester) north of Keller Road.

Thanks

From: Cameron Brown < cbrown@wrcog.us Sent: Monday, April 1, 2024 12:48 PM
To: Tsang, Kevin < KTSANG@RIVCO.ORG>

Cc: Chris Gray < cgray@wrcog.us>

Subject: RE: TUMF: Winchester Road north of Keller Road

CAUTION: This email originated externally from the **Riverside County** email system. **DO NOT** click links or open attachments unless you recognize the sender and know the content is safe.

Hi Kevin,

I looked over this and discussed with our consultant on the Nexus Study. This was indeed an error in the 2017 study and it is being revised in the updated study to a 4 lane facility with a future mitigation at 6 lanes. There is a portion of the segment that is already widened to 5 lanes and the Nexus Study will take that into consideration in determining the TUMF share.

Cameron Brown Program Manager Western Riverside Council of Governments 3390 University Ave., Suite 200 Riverside, CA 92501-3314 Phone: (951) 405-6712

Mobile: (951) 836-2525 www.wrcog.us

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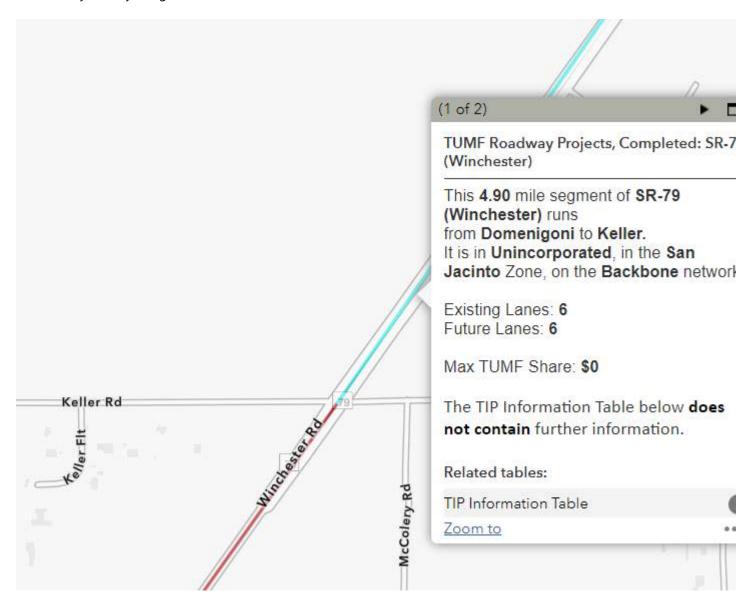
From: Tsang, Kevin < KTSANG@RIVCO.ORG Sent: Thursday, March 28, 2024 3:35 PM
To: Chris Tzeng < ctzeng@wrcog.us

Cc: Williams, Russell < RUWILLIA@RIVCO.ORG >

Subject: TUMF: Winchester Road north of Keller Road

Hello Chris,

We had a developer ask for clarification on the segment of Winchester Road north of Keller Road. In TUMF, the GIS indicates it is constructed with 6-lanes, but in reality, it is only 4-lanes. Is there a need to correct this in the TUMF and would this yield any budget for TUMF to cover two additional lanes?



Thanks,

Kevin Tsang, P.E.

Riverside County, TLMA Transportation Department 4080 Lemon Street, 8th Floor Riverside, CA 92501 *Tel:* (951) 955-6828



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July 22, 2024

Kevin Tsang Riverside County, TLMA Transportation Department 4080 Lemon Street, 8th Floor Riverside, CA 92501

Dear Mr. Tsang,

Thank you for your comments regarding the Transportation Uniform Mitigation Fee (TUMF) Nexus Study. We appreciate the County of Riverside's involvement and your attention to detail in reviewing the study.

We are currently making corrections to the Nexus Study Draft to list the correct number of lanes on Winchester. The segment will be updated to reflect it as a 4-lane segment with plans to expand to 6 lanes in the future. This adjustment will make it eligible for additional funding.

Thank you again for your valuable input and for the continued collaboration. If you have any further questions or need additional information, please do not hesitate to reach out.

Sincerely,

Cameron Brown Program Manager

Cameron Brown

From: Dooley Family <ourk9nina@charter.net>

Sent: Friday, June 7, 2024 6:16 PM

To: Cameron Brown

Subject: 2024 TUMF Program Nexus Study

Dear Ms. Brown,

I have been a resident of Jurupa Valley since August of 1992, and as a family we've been utterly fed-up with the amount of warehouses that have been erected, and continue to be erected with little benefit to the community. They are the most harmful business entity in terms of congestion (especially for those of us that have to commute), air quality, job creation, being a nuisance and harmful to the overall health of the area. I am appalled when looking at the proposed increases that they will continue to over-populate and be unwelcome neighbors to the residents with impunity due to the galling lowest fees that they are afforded, yet they are the biggest burden to any community in the Inland Empire. I can't help but wonder how influential their lobby must be on the members to gain such favorable rates. Very infuriating and unacceptable! They need to do better!

Thank you for your time.

Sincerely, Delilah Dooley



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July 22, 2024

Cameron Brown
Program Manager
Western Riverside Council of Governments (WRCOG)
3390 University Ave, Suite 200
Riverside, CA 94501
cbrown@wrcog.us

Dear Ms. Dooley,

Thank you for sharing your concerns regarding the construction of warehouses in Jurupa Valley and the benefits provided to facilitate their development. We appreciate your engagement and the time you have taken to express your views.

You raised valid points about the potential negative impacts of warehouses, including congestion, air pollution, and general nuisance. These concerns are important and need to be addressed as part of the planning and community development processes at the local jurisdiction level.

Warehouses and all industrial development projects are required to pay their fair share based on the traffic they generate. By law, the TUMF Nexus Study cannot assign fees beyond what the development use generates in traffic congestion. It's important to note that the Nexus Study only addresses traffic-related impacts and does not mitigate other effects such as air pollution and public nuisance.

We understand the need for a balanced approach to development that considers all impacts, and we are committed to exploring additional measures to address the concerns you and other community members have raised.

Thank you again for your valuable input.

Sincerely,

Cameron Brown Program Manager





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Federal Tax ID 33-0461804



June 10, 2024

Sothern California Association of Governments Attention: Cameron Brown

Dear Cameron.

I am writing to advocate for the reduction of TUMF fees, specifically aimed at facilitating the construction of affordable housing within Western Riverside County. As we strive to address the pressing issue of housing affordability, it is imperative that we adopt measures that incentivize and enable the creation of housing options accessible to individuals and families across all income levels.

Impact fees, while intended to support the growth and improvement of our community's infrastructure, often serve as significant barriers to the development of affordable housing projects, such as those we build through Habitat for Humanity. These fees, which are levied on developers to mitigate the impact of new construction on public services and facilities, can substantially increase the overall cost of building affordable housing units. For every additional dollar that is added to the cost of developing affordable units, we need to find another dollar through donors, fundraising, grants, or loans. Consequently, this added financial burden can deter developers from pursuing such projects, exacerbating the shortage of affordable housing in our area.

By reducing or waiving TUMF fees for affordable housing developments, we can stimulate the creation of much-needed housing options for low- and moderate-income residents. Not only will this help alleviate the strain on our housing market, but it will also contribute to the overall health and diversity of our community.

Affordable housing is not just a social issue but also an economic one. Access to stable and affordable housing is a fundamental determinant of individual and family well-being, impacting everything from health outcomes to educational attainment and economic mobility. By prioritizing the reduction of development impact fees for affordable housing, we are investing in the long-term prosperity and vitality of our community. By working together to reduce the financial barriers to affordable housing development, we can take meaningful steps towards creating a more inclusive and equitable community for all residents.

Tammy Marine,

Best regards.

President/CEO



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July 22, 2024

Tammy Marine Chief Executive Officer Habitat for Humanity 41615 Winchester Road #214 Temecula, CA 92590

Dear Ms. Marine,

Subject: Response to Comments on TUMF Nexus Study

I hope this letter finds you well. Thank you for your thoughtful comments on the TUMF Nexus Study. We appreciate your dedication to affordable housing and the important work that Habitat for Humanity does in our community.

We understand your concerns that impact fees can serve as a significant barrier to the development of affordable housing projects, substantially increasing the overall cost of building these units. Your suggestion to waive the TUMF fee for affordable housing developments to stimulate the creation of housing options for low- and moderate-income residents is noted.

Affordable housing is indeed a critical social and economic issue in the region. To support this, low-income housing is exempt from the payment of TUMF fees. This exemption is designed to reduce the financial burden on affordable housing developments and to encourage the creation of housing options for those in need, thereby investing in the long-term growth and stability of our community.

Should you have any further questions or require additional information, please feel free to contact me directly at cbrown@wrcog.us or 951-405-6712.

Thank you once again for your valuable feedback and your ongoing efforts to improve housing affordability in our region.

Sincerely,

Cameron Brown Program Manager

June 1, 2024

Cameron Brown – TUMF – Program Manager Western Riverside Council of Governments

Email: cbrown@wrcog.us

Dear Mr. Brown,

Thank you for the opportunity to comment on the 2024 Draft TUMF Nexus Study. TUMF development impact fees are necessary and important to make growth pay its way. A Mitigation Fee is required to follow two basic rules

- 1. Establish a nexus or reasonable relationship between the development impact fee's use and the type of project for which the fee is required.
- 2. The fee must not exceed the project's proportional "fair share" of the proposed improvement and cannot be used to correct current problems or to make improvements for existing development.

The methodology to calculate the TUMF fees rely on inaccurate and out-of-date assumptions and relies almost exclusively on **Level-of-Service (LOS)** targets and ITE 11th edition trip rates for different land use categories. The current standard for all transportation analysis has been **Vehicle Miles Traveled (VMT)** since SB 743 was passed in 2013 and became the primary standard in 2020. Currently, the TUMF Nexus study only uses VMT to determine the 'relative distribution of traffic impacts between residential and non-residential uses'. This is not sufficient since capacity expansion will induce more VMT and VMT growth is a CEQA environmental impact. Moreover, the mindset that 'All new developments...cause an increase in travel demand. To meet the increased travel demand and **keep traffic flowing**, improvements to transportation facilities become necessary to sustain pre-development conditions.' This is 1960s era traffic analysis. The type and location of the development (i.e., location efficiency) shifts transportation demands from vehicle traffic to other transportation modes. A TUMF fee that shifts from an automobile centric peak period delay-centric analysis is needed.

In order to properly apportion the 'fair share' of regional VMT to different land-use categories and the reasonable relationship between the development impact fee, the following changes should be included in the Nexus study framework.

- Include average VMT by land-use type to weight trip rates. VMT needs to be characterized
 by land-use type including differentials between SFR and MFR housing to capture location
 efficiency and housing density impacts on average trip length. The current methodology
 omits this location efficiency to focus on LOS metrics of peak capacity.
- 2. Include VMT and the weight class of the vehicles to accurately reflect road damage, highway planning, and capacity requirements for passenger, medium-duty, and heavy-duty trips. The fourth-power law clearly indicates that heavier vehicle axle loads do exponentially more damage and are therefore the bulk of the road development costs. Bin average trip rates by class (passenger, medium-duty, heavy-duty) and use passenger-class equivalents (PCE) weightings or a similar metric to apportion additional cost to heavier vehicle classes that consume additional capacity and have higher average VMT.¹

¹ https://www.fhwa.dot.gov/reports/tswstudy/Vol3-Chapter9.pdf

- 3. Apportion home-based-work trips equally between residential and non-residential land-use categories. As the definition implies, the home-based-work trip has an origin of home and a destination of work thus the category should not be explicitly assigned to residential only trips. If half of non-work-based trips are assigned to the new employment categories, it will decrease costs of new home TUMF fees.
- 4. Avoid peak PM trip rates as the metric as this shifts burdens based on time-of-travel, rather than total usage via VMT metrics. Roadway capacity is an LOS metric and trip rates bias results in a manner that is not proportional to total use – inconsistent with nexus proportionality requirements.
- 5. Update WRCOG special requirements for calculating warehouse project gross square footage to reflect ITE 11th edition daily trip rates which include better parameterizations of high-cube warehouses than the ITE 9th edition trip rates used for that biased analysis

Given the significant changes requested it is possible that rerunning the modeling exercise will be required, during which time better assumptions should be made regarding model inputs of key factors including:

- Household growth projections (update to Connect SoCal 2024 rather than 2020)
- Employment growth projections (ditto)
- Apply different trip lengths based on type of trip
- Include vehicle weight as a factor impacting road usage for both capacity, stress, and traffic.
- Include accurate estimates of current and future industrial growth using CEQANET documentation of approved and planned projects

Given the programmatic goal of the TUMF nexus study fee, a wholesale re-evaluation of the purpose of the fee needs to be considered to better align with County climate adaptation and greenhouse gas emissions policy goals of reducing VMT. Alternative options for Mitigation Fees have been explored by other areas, as described by Barbour, 2022, 'From LOS to VMT: Repurposing Impact Fee Programs Since Adoption of SB 743'.

- Apply a LOS-based approach but only for transit efficiency (San Francisco, El Cerrito). Roadway LOS under this nexus would only be applicable insofar as it slowed down transit access (bus, shuttle, rail)
- Apply a solely VMT-based metric and measures of need (San Mateo County, Culver City).
 The metric is VMT-focused (trip rates multiplied by trip lengths) rather than LOS-focused (measuring trips only and impacts on nearby roads/intersections). The VMT-based metric will necessarily capture 'location efficiency' of projects and make development fees cheaper in infill areas with more transit and mobility options, and thus reduce sprawl.
- VMT analysis in General Plan or Climate Action plan (San Diego, Vacaville). SB 743 compliance mechanisms were put in the General Plan with impact fees to fund VMT-reducing infrastructure. In Vacaville, VMT increases were considered a significant and overriding consideration and thus traditional auto-LOS were allowed to proceed.

Table 1 shows how the VMT scenarios would likely change based on better estimates of residential growth and warehouse growth within the region. Residential growth rate is based on Connect

SoCal 20202, Connect SoCal 20243, or CA Department of Finance Table P-24 Projections. Warehouse build out is based on 2018-2023 built industrial square footage from Riverside County Assessor Parcel database and future growth is based on CEQA environmental planning documents – see RivCo_warehouse_list.xlsx attachment, based on WarehouseCITY v1.19 open data product (McCarthy and Phillips, 2023).

Connect SoCal 2020 estimates of residential growth for Riverside County are 50% higher than Connect SoCal 2024 estimates and almost 200% higher than the California Department of Finance projects for the same 2018-2045 time period. Connect SoCal 2020 estimates of industrial build out are only 69 million square feet for the WRCOG region – over 91 million square feet of industrial projects (almost exclusively warehouses and distribution centers) were built from 2018 through 2023, another 117.8M SQ FT are approved for construction, and a further 148M SQ FT are undergoing CEQA Review. Connect SoCal 2020 is a useless projection of industrial development in the WRCOG region based on wildly inaccurate data.

Table 1 – VMT changes based on different input assumptions for TUMF nexus study inputs.

VMT Ratios 5	Residential growth rate 2018-	Industrial build out (SQ FT)	VMT home-	VMT non- home	Total VMT	fraction home-
scenarios	2045	2018-2045	based	based	growth	based VMT
Connect SoCal						
2020	34%	69,000,000	43,227,904	12,372,533	55,600,437	0.78
Connect SoCal 2024 Residential - Warehouse moratorium on new						
approvals	23%	208,800,000	29,242,406	13,463,424	42,705,830	0.68
Connect SoCal 2024 Residential - All warehouse						
projects approved	23%	357,700,000	29,242,406	14,553,613	43,796,018	0.67
CA DoF Residential						
- Warehouse						
moratorium	12%	208,800,000	15,256,907	10,065,353	25,322,261	0.60
CA DoF Residential - All warehouse						
projects approved	12%	357,700,000	15,256,907	17,951,683	33,208,591	0.46

In every scenario using the alternative inputs, the fraction of 'home-based VMT' declines substantially. In the most dramatic scenario with low residential growth and high warehouse growth, the VMT fraction from industrial is significantly higher than home-based trips. And I note

² https://scag.ca.gov/read-plan-adopted-final-connect-socal-2020

³ https://scag.ca.gov/connect-socal

⁴ https://dof.ca.gov/forecasting/demographics/projections/

that this is still using the existing assumption that home-based work trips are 100% due to residential trips; changing the fraction from 1 to 0.5 would drastically shift the fees to non-residential sectors since home-based work trips are the largest source of home-based VMT in the RIVCOM model outputs.

As a second example, I wanted to point out the inconsistency of the TUMF fee allocation of home-based-work trips compared to an emblematic warehouse project. The World Logistics Center was approved a few years ago and broke ground last year. In its Final EIR, it shows the following project trips table on p.4.15-47 - https://www.moval.org/cdd/pdfs/projects/wlc/FEIR.pdf

Table 4.15.0: Project Trips by Vehicle Type

	AN	AM Peak Hour		PM Peak Hour		1			
Vehicle Type In	Out	Total	In	Out	Total	Vehicles	Surface Street PCEs	Freeway PCEs	
PHASE 1	0 7	11	(i) = 5		0	50 - 55	0-	0	>
Autos	1,197	466	1,663	412	1,396	1,807	30,879	30,879	30,879
Light Trucks	97	55	152	77	90	167	1,340	2,009	2,009
Medium Trucks	130	74	204	103	121	223	1,792	3,585	2,689
Heavy Trucks	345	197	542	273	320	594	4,760	14,279	7,140
Total	1,769	792	2,561	866	1,927	2,792	38,771	50,753	42,717
PHASE 2		h:	Ø		3	50		1	8
Autos	923	356	1,279	313	1,075	1,388	23,835	23,835	23,835
Light Trucks	75	43	118	60	70	130	1,046	1,569	1,569
Medium Trucks	100	57	157	79	93	173	1,389	2,778	2,083
Heavy Trucks	266	151	418	211	248	459	3,680	11,040	5,520
Total	1,365	606	1,971	663	1,486	2,149	29,950	39,222	33,007
FULL PROJECT	BUILD-0	DUT						0.00	
Autos	2,120	821	2,941	726	2,471	3,195	54,714	54,714	54,714
Light Trucks	172	98	271	137	160	297	2,385	3,578	3,578
Medium Trucks	230	131	361	182	214	396	3,181	6,363	4,772
Heavy Trucks	611	348	959	484	568	1,052	8,440	25,319	12,660
Total	3,134	1,398	4,532	1,529	3,413	4,941	68,721	89,975	75,724

PCE = passenger car equivalent.

Source: Traffic Impact Analysis Report for the World Logistics Center, Parsons Brinckerhoff, September 2014.

Total number of vehicle trips is 68,721 vehicles per day. This exceeds the total number of non-home-based vehicle VM daily projected by the TUMF nexus study of 45,949 trips in Table 6.2 of the TUMF Nexus study by over 20,000 daily trips. Does a project like the World Logistics Center act as a node for trips? It is preposterous to claim that it does not, yet the TUMF nexus study says only the home growth matters and projects like the WLC should not pay TUMF fees for even half of the home-based-work trips they generate.

Given that the total square footage of warehouse growth in the WRCOG region is between 5-7 times larger than the WLC, this assumptions has huge distributional implications on what type of development pays proportional TUMF fees.

WRCOG has a key opportunity its TUMF program to better serve the needs of the region in addressing the housing crisis. Please consider significant revisions to TUMF nexus study fees to stop subsidizing warehouse growth.

Sincerely, Mike McCarthy, PhD - 92508



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July 22, 2024

Dear Mr. McCarthy,

Subject: Response to Comments on TUMF Nexus Study

Thank you for your detailed comments regarding the TUMF Nexus Study. We appreciate your insights on the use of Vehicle Miles Traveled (VMT) and Level-of-Service (LOS) targets, and the recommendations for adjusting the TUMF fee structure.

Considering your comments based around SB-743 and VMT, we would like to give a detailed response to the relationship between SB-743 and VMT.

SB 743 was signed into law in 2014 and went into effect on July 1, 2020. SB 743 requires that the CEQA documents analyze transportation impacts of a project using vehicle miles traveled (VMT) instead of level of service (LOS) or other delay-based metrics.

SB 743 had a significant impact by changing the way in which traffic studies were done for CEQA documents. Agencies had to determine appropriate analysis tools, impact thresholds, and potential mitigation measures as an VMT-centric approach is very different from an LOS-based approach.

Recognizing the potential impacts of SB 743, WRCOG completed the first regional study regarding SB 743 implementation which developed sample guidelines, thresholds, and analytical tools to assist WRCOG member agencies with the transition to VMT as a CEQA analysis metric. This study was completed in 2018.

In 2019, WRCOG commenced an effort to develop an approach to mitigation potential VMT mitigation impacts through a program separate from TUMF. At that time, a policy decision was made to maintain the focus of TUMF to mitigate congestion, which means that TUMF primarily funds expansions of roadways, interchanges, grade separations and other facilities. While TUMF does provide some funding to Riverside Transit Agency (RTA), over 90% of TUMF funds are allocated to roadway infrastructure projects.

The purpose of a VMT mitigation program is to identify programs and projects that reduce VMT which could include bicycle/pedestrian infrastructure, subsidized transit passes, contributions to affordable housing, and other similar efforts.

This policy decision reflects a clear demarcation between TUMF and any efforts to mitigate VMT. The following should be noted:

• SB 743 does not change any of the requirements of AB 1600 and therefore has no effect on the preparation of Nexus Studies such as the TUMF Nexus Study

- Payment of TUMF fees do not provide any VMT mitigation benefits since those are separate programs for development projects
- The TUMF Program does not provide any CEQA mitigation for any development or transportation project impacts
- Any transportation infrastructure project contained in the TUMF Nexus Study will be required to assess and mitigate all environmental impacts per the requirements of CEQA including any potential impacts related to VMT

It should be noted that the National Center for Sustainable Transportation (NCST)/Institute of Transportation Studies (ITS) at University of California, Davis released a white paper entitled From LOS to VMT: Repurposing Impact Fee Programs Since Adoption of SB 743 (November 2023). This document argues the SB 743 provides an opportunity for agencies for agencies to redirect their transportation impact fee programs towards more multi-modal improvements.

However, this white paper does not say that agencies are required to change their approach to impact fees and specifically states the following on Page ii:

Furthermore, even if they cannot do so for CEQA mitigation, cities can also still impose impact fees to improve/maintain LOS under provisions of the state's Mitigation Fee Act (MFA), so long as the fee program complies with requirements for demonstrating a "rational nexus" between the fee's purpose, the need for the fee, the cost of facilities for addressing the need, and the allocation of the fee to new development based on its contribution to the demonstrated need.

Therefore, this document acknowledges that WRCOG has the discretion to continue to develop and implement a fee program which funds roadway infrastructure projects as long as such a program complies with the requirements of AB 1600.

You recommended adjusting the TUMF fee based away from an automobile-centric peak period delay-centric analysis. TUMF addresses issues beyond CEQA, and peak period delay is the most prominent on the network in terms of LOS and VMT impact.

Moving on to your other comments, you suggested several changes to the Nexus study framework:

- 1. Include average VMT by land-use type to weight trip rates.
- 2. Include VMT and the weight class of vehicles to reflect road damage, highway planning, and capacity requirements.
- 3. Apportion home-based-work trips equally between residential and non-residential categories.
- 4. Avoid peak PM trip rates as the metric.
- 5. Update the special requirement for calculating warehouse project gross square footage to reflect ITE 11th edition daily trip rates.

Our responses to these suggestions are as follows:

- 1. Including average VMT by land-use type and weighting trip rates can be considered if the necessary tools and data are available. Presently, these tools do not exist in a way to quickly analyze every development.
- 2. Including VMT and vehicle weight class for accurate reflection of road damage and planning needs will also depend on the availability of appropriate tools and data.
- 3. Home-based trips should be apportioned to the home-based end since residential trip ends are the main factor in generating trips.
- 4. The concern about peak PM trip rates has been addressed in our approach to balancing LOS and VMT impacts.
- 5. Once the Nexus Study is adopted, the fee calculation handbook will be updated to reflect the latest fee and current ITE trip generation rates for warehouse projects.

You also suggested re-evaluating the purpose of the TUMF fee to better align with County objectives and looking at alternatives used in other areas. Regarding this, the TUMF program is overseen by elected officials from the WRCOG Executive Committee, who provide direction on the program's purpose and fee implementation. These elected officials make the final determination on the County's objectives regarding traffic mitigation.

Regarding the review of Table 1 and VMT scenarios, the Nexus Study uses data available at the start of the analysis. For this update, Connect SoCal was adopted years after the study commenced. This is why we regularly update the Nexus Study every four years to incorporate new demographics and trip behavior.

Finally, you mentioned that the TUMF fee is inconsistent with home-based-work trips compared to warehouse projects and used WLC as an example. This comparison involves disparate data pieces. The WLC table presents total peak hour trip generation at build-out, while Table 6.2 is used to apportion the fee between different non-residential land uses based on employment changes and median trip generation rates, not representing total trip numbers.

Thank you again for your valuable feedback and suggestions. We update the Nexus Study on a regular basis. While we are not considering any significant revisions to the Nexus Study at this time, many of your suggestions will be considered as we undertake this effort again in the future.

Sincerely,

Cameron Brown Program Manager

Attachment

Recommended Fee Schedule

Land Use Type	Units	Fee Per Unit
Single Family Residential	DU	\$15,476
Multi Family Residential	DU	\$7,816
Industrial	SF	\$2.33
Retail	SF	\$7.72
Service	SF	\$9.76



Western Riverside Council of Governments Joint Meeting of the WRCOG Executive Committee and Supporting Foundation

Staff Report

Subject: WRCOG 2024 General Assembly & Leadership Address Recap and 2025 Speaker

Selection by the WRCOG Supporting Foundation

Contact: Bonnie Woodrome, Manager of Communications and External Affairs,

bwoodrome@wrcog.us, (951) 405-6752

Date: September 9, 2024

Recommended Action(s):

- Authorize the Supporting Foundation Secretary to execute a speaker agreement between the Supporting Foundation and the Washington Speakers Bureau to engage Admiral William H. McRaven for the 2025 General Assembly & Leadership Address in an amount not to exceed \$76,000 plus travel, meal, and lodging expenses.
- 2. Authorize the Supporting Foundation Secretary to take any necessary actions to carry out the purpose and intent of this authorization.

Summary:

WRCOG's General Assembly & Leadership Address on June 20, 2024, saw a significant increase in attendance and sponsorship, with 938 registrants and \$404,295 secured from 68 sponsors and in-kind contributions, leading to enhanced event features and high attendee engagement through an event app. The General Assembly Ad Hoc Committee, adhering to current procurement processes, has consulted the Washington Speakers Bureau (WSB) to assist in selecting a speaker for next year's event.

Purpose / WRCOG 2022-2027 Strategic Plan Goal:

The purpose of this item is to provide an update on the outcomes of the 2024 General Assembly & Leadership Address event and request approval for the Executive Director to enter a contract with the WSB and speaker for the 2025 event. This item aligns with WRCOG's 2022-2027 Strategic Plan Goal #4 (Communicate proactively about the role and activities of the Council of Governments).

Discussion:

Background

On June 20, 2024, WRCOG hosted one of its most successful General Assembly & Leadership Addresses to date. The event saw a significant increase in attendance, with 938 registrants compared to

731 the previous year. The WRCOG Supporting Foundation secured \$404,295 in sponsorships from 68 sponsors and in-kind donations, allowing an expansion of the initial \$325,000 budget to accommodate the additional attendees. The total cost for this year's event was \$380,996 and was fully funded by sponsors for a net increase to the WRCOG Supporting Foundation fund balance of \$23,299.

Attendance Breakdown:

- 47% Sponsors
- 27% Member agencies
- 17% Individual ticket buyers
- 9% Volunteers / staff

This year, WRCOG introduced an event app, which was utilized by approximately 40% of attendees. The app enhanced engagement through push notifications, document sharing, and networking opportunities. Key app statistics include:

- 79 communication threads on the message board
- Over 700 profile shares
- · Approximately 200 private messages exchanged
- 3 push notifications sent regarding receptions and the silent auction
- 141 responses to live polls conducted during the event

Sponsorship Overview:

- 3 Platinum
- 3 Gold
- 10 Silver
- 37 Bronze
- 9 ad sponsors
- 6 custom sponsors

WRCOG extends a special thanks to member agencies Eastern Municipal Water District and Western Water for serving as centerpiece sponsors, and to Pechanga for serving as the Title Sponsor. New sponsor benefits included app features with video highlights and sponsor website access, lit logo displays in the ballroom, and promotional spots in WRCOG's outreach and skit video, resulting in over 190,000 views.

Attendee Feedback:

- Positive feedback highlighted the speaker selection, the venue and networking opportunities.
- Suggestions for improvement included hosting the post-event reception outdoors for better networking, addressing the temperature and size of the VIP reception.

Present Situation

Following the success of the 2024 event, planning for the 2025 event is underway. The 2025 event is scheduled for June 12, 2025, at Pechanga Resort Casino. Historically, before the event funding was assigned to the WRCOG Supporting Foundation, the speaker selection was driven by the Administration

& Finance (A&F) Committee before final consideration by the Executive Committee. Despite having no formal role with the Supporting Foundation, the A&F Committee is able to provide input into the process; however, this item was not considered by the A&F Committee based on timing recommendations from the Speaker Bureau. An Ad Hoc Committee consisting of Chair Rita Rogers, Vice-Chair Brenda Dennstedt, 2nd Vice-Chair Jacque Casillas, and immediate Past Chair Chris Barajas have reviewed feedback and requests from sponsors, Executive Committee members, and staff. They also reviewed the list of previous speakers.

Securing a speaker is typically done through a process that includes engaging a speaker bureau. WRCOG has used multiple bureaus in the past and have no ongoing contractual obligations with any of them. In recent years, the Ad Hoc Committee has evaluated the merits of various bureaus on an annual basis. This year, the Ad Hoc Committee consulted the Washington Speakers' Bureau (WSB) for assistance in selecting and securing a speaker for 2025. They have discussed the merits of speakers spanning a range of industries, topics, personalities, and price range. That process yielded a recommendation of Admiral William H. McRaven who was sought by the A&F Committee for the 2024 event but was unable to confirm the date. WSB has verified scheduling availability for 2025; however, only an executed agreement secures the speaker.

Admiral William H. McRaven, a retired U.S. Navy, Four-Star admiral, best-selling author, and former Chancellor of the University of Texas System, draws on his extraordinary experiences to offer audiences' insight on U.S. foreign policy, the current geopolitical environment, authority amidst uncertainty, overcoming adversity, and the determination to succeed.

Costs to invite ADM McRaven to speak are approximately \$76,000.00 plus fully refundable, unrestricted first-class airfare, professional commercially insured round trip ground transportation, hotel accommodations, and meals and incidentals. By comparison, the costs for the 2024 speaker was \$125,000.00 + \$1,685.25 for additional costs for a total of \$126,685.25.

This item requests authority and direction to execute an agreement to secure the selected speaker for the 2025 General Assembly with the associated price constraints.

Prior Action(s):

None.

Financial Summary:

The Fiscal Year 2024/2025 budget anticipates \$305,000 in revenues against \$303,250 in expenditures; however, a budget amendment will be brought forward once certain expenditures have been finalized. As of June 30, 2024, the Supporting Foundation has a fund balance of approximately \$77k. The total fund balance serves as a useful measure of the Foundation's net resources available for spending at the end of the fiscal year. The anticipated ending fund balance assigned to the General Assembly, under the Supporting Foundation, is approximately \$100k.

Attachment(s):

None.



Western Riverside Council of Governments Joint Meeting of the WRCOG Executive Committee and Supporting Foundation

Staff Report

Subject: Increase Maximum Bond Authorization for Greenworks / Nuveen Green Capital

(NGC) C-PACE Program

Contact: Casey Dailey, Director of Energy & Environmental Programs, cdailey@wrcog.us,

(951) 405-6720

Date: September 9, 2024

Recommended Action(s):

- Adopt Resolution Number 25-24, A Resolution of the Executive Committee of the Western Riverside Council of Governments increasing maximum bond authorization for the Greenworks PACE Program and making certain required disclosures; <u>OR</u>
- 2. Adopt Resolution Number 29-24, A Resolution of the Executive Committee of the Western Riverside Council of Governments increasing maximum bond authorization for the Greenworks PACE Program with certain limitations and making certain required disclosures.

Summary:

WRCOG has established a Commercial PACE Program involving multiple program partners, i.e., program administrators. WRCOG's primary role is the issuance of limited obligation bonds. These bonds are distinct from general obligation bonds in several ways but most notably is the absence of risk to the WRCOG Treasury in the event of a default in the assessment or project collapse.

The program is administered in accordance with a set of agreements between WRCOG and each program partner which outline the rights and obligations of each party. Consistent with the Program Agreement, WRCOG is obligated to issue bonds if a strict set of conditions has been met. Each assessment contract and the bonds, which must conform to the conditions established by the WRCOG Executive Committee in WRCOG's Program Reports and must also conform to maximum bond indebtedness limits.

Each program administrator has a separate agreement with WRCOG and is afforded a separate bond limit. The bond limits and capacities for each provider are listed in Table 1.

One of the program administrators has a robust set of projects in various stages of completion. Their projected project list for the next 12 months would require bond issuances that far exceed their current capacity. In order to engage WRCOG in the Commercial PACE financing of those projects, they have identified a need for a higher level of maximum bond indebtedness.

This action requests authority to raise the maximum bond indebtedness level in order to achieve sufficient capacity for the issuance of limited obligation bonds for conforming Commercial PACE projects.

Purpose / WRCOG 2022-2027 Strategic Plan Goal:

The purpose of this item is to increase the maximum bond authorization for a provider in the C-PACE Program. This effort aligns with WRCOG's 2022-2027 Strategic Plan Goal #5 (To develop projects and programs that improve infrastructure and sustainable development in the subregion).

Discussion:

Background

WRCOG's Energy Efficiency and Water Conservation Program for Western Riverside County (commonly referred to as the "WRCOG Program") and its statewide Property Assessed Clean Energy (PACE) Program (the "California Program," collectively with the WRCOG Program, the "Programs") serves to finance the installation of certain authorized improvements ("Authorized Improvements") on residential and commercial properties located within the Program area (the "Program Area"). These improvements are ultimately financed by limited obligation bonds issued by WRCOG. In order to issue these bonds, the WRCOG Executive Committee must determine the maximum portfolio amounts associated with each PACE Program providers.

When the Program was established in 2011, this amount was identified to be \$900 million. As the Programs grew, the amount was increased to \$3 billion in 2016 and currently reads, "the maximum aggregate dollar amount of contractual assessments available under the Program is \$3 billion. If this amount is exceeded, WRCOG may, in its sole discretion, pass a resolution to increase the maximum aggregate dollar amount of contractual assessments." Subsequently, the WRCOG Executive Committee authorized the addition of Renew Financial, PACE Funding, and Ygrene as additional residential PACE providers and Renew Financial, Greenworks Lending, CleanFund Commercial PACE Capital, Twain Financial, and Ygrene Energy Fund as commercial PACE providers.

WRCOG previously authorized the Programs to issue bonded indebtedness to finance Authorized Improvements within the Program Area in one or more series of bonds (Resolution Number 08-13, as amended). The Executive Committee authorized Greenworks Lending, LLC, ("Greenworks") to serve as a commercial program administrator for the Programs (the "Greenworks Program") and the issuance of bonds for the Greenworks Programs (Resolution Number 02-18). Resolution Number 02-18 originally authorized the issuance of one or more series of limited obligation improvement bonds for the Greenworks Program in the maximum aggregate principal amount not to exceed \$150,000,000. Resolution Number 27-19 authorized the increase of the maximum aggregate principal amount of Greenworks Program bonds to \$200,000,000.

On August 5, 2019, the WRCOG Executive Committee approved an amended California HERO Program Report and the WRCOG Energy Efficiency and Water Conservation Program Report to increase the maximum bond indebtedness for all the PACE Programs. The table (Table 1) shown below includes the maximum bond authorization for each of the PACE Program partners, the value of bonds issued to date and the remaining capacity for each of the Program partners:

Table 1

	Maximum Bond Authorization	Bonds Issued to Date	Remaining Capacity
Residential:			
HERO	\$3,000,000,000	\$1,992,335,950	\$1,007,664,050
CaliforniaFIRST (Renew Financial)	\$150,000,000	\$8,969,826	\$141,030,174
PACE Funding Group	\$100,000,000	\$21,249,777	\$78,750,223
Ygrene	\$50,000,000	N/A	N/A
Commercial:			
Greenworks/Nuveen Green Capital	\$200,000,000	\$164,652,708	\$35,347,292
CleanFund	\$200,000,000	N/A	N/A
Twain	\$150,000,000	\$86,408,440	\$63,591,560
SAMAS	\$250,000,000	\$8,724,186	\$241,275,814

Present Situation:

Since 2019, WRCOG has issued 34 limited obligation C-PACE bonds for the Greenworks Program, valued at approximately \$86,247,273. There are an additional \$78,405,434 in completed and unbonded projects that Greenworks has yet to request a bond be issued by WRCOG. These combined amounts, \$164,652,708, represent the capacity that has been used since 2019, and leaves approximately \$35,347,292 in remaining bonding capacity for the Greenworks Program.

WRCOG staff and Greenworks meet regularly to review and discuss the upcoming pipeline of projects that are anticipated to close. Greenworks has informed WRCOG that it has approximately \$417,269,000 in projects that it anticipates closing in the next one to twelve months. In order for WRCOG to continue issuing bonds for Greenworks, the limit needs to be raised to at least \$583,000,000 to allow for sufficient bond capacity when a new bond is requested to be issued. Increasing authorized bonding capacity does not authorize the issuance of new bonds; WRCOG issues bonds at the request of Greenworks, in accordance with the Program Administration Agreement between Greenworks and WRCOG.

If the maximum bond authorization for the Greenworks Program is not raised from its current amount of \$200,000,000, issuing a bond in excess of \$35,347,292 would not be possible because it would place WRCOG out of compliance with the associated Master Indenture and the Program Administration Agreement. The Master Indenture states, "WRCOG shall be in compliance with all covenants set forth in this Indenture, and issuance of the Bond will not cause WRCOG to exceed the bonded indebtedness limit established for the Program or the maximum Bond authorization set forth in the Resolution of Issuance or as such maximum authorization may be amended by a resolution of the Executive Committee of WRCOG." Raising the maximum bond authorization would allow for projects to close and for WRCOG to remain in compliance. The Program Administration Agreement requires "WRCOG shall respond to Greenworks requests and submittals as set forth in the Schedule of Responsibilities, or otherwise in a prompt and timely manner including reviewing, approving, acting upon and/or executing documents listed in the Schedule of Responsibilities." One such responsibility is to issue bonds so long as Greenworks has complied with the requirements of the Program Agreement and Program Reports.

On August 5, 2024, the Executive Committee discussed increasing the maximum bond authorization for the Greenworks / Nuveen C-PACE program from \$200 million (the current limit) to \$1 billion (the

proposed limit). The robust discussion did not result in a final action, however, it made clear that the complexity of the item warranted additional discussion. The PACE Ad Hoc Committee was convened and has provided an additional recommendation. That convening took place just prior to the publishing of this agenda so the recommendation is included but the management and legal analysis of the recommendation were in process at the time of publishing. Additional information will be available at the September Executive Committee meeting.

The items noted for additional clarification or discussion focused largely on the role, process, and risk of bond issuance.

The current request is the result of a high level of anticipated projects. The timing of the request is based on one of those projects whose maturity creates a narrow time window for including C-PACE funding. WRCOG's role as bond issuer for the PACE Program does not include the underwriting of individual projects. While the bonding level decision is distinct from the evaluation of the merits of a particular project, the conversation took a natural path of vetting that particular project. Staff didn't anticipate that detour in advance of the August meeting and now has a more accurate description of the project.

WRCOG staff contacted Greenworks to obtain information about the project in question. The project is a 19-story, 941,000 square foot office building in downtown San Jose. It was completed in 2023, so the C-PACE financing represents a refinancing of existing debt into a C-PACE assessment.

C-PACE eligible products:

- HVAC (20 year Equipment Useful Life (EUL)*) \$25,308,956.
- Plumbing (25 year EUL) \$10,807,648.
- Lighting (20 year EUL) \$43,373,368.
- Elevators (25 year EUL) \$14,072,645.
- Building Envelope:
 - Insulation and exterior wall assemblies (50 year EUL) \$10,744,955.
 - Roofing (20 year EUL) \$3,605,578.
 - Windows and doors (30 year EUL) \$81,005,430.
 - Seismic (50 year EUL) \$184,554,023
- The cost weighted expected equipment useful life (EUL) is 38.2 years, which exceeds loan repayment term of 30 years.

The total construction cost of this project was approximately \$797,000,000. Since the last WRCOG Executive Committee meeting, Greenworks has informed WRCOG that the proposed C-PACE financing has been reduced to \$220,000,000, which places the percentage of C-PACE financing relative to the overall construction cost at approximately 28%.

<u>August Recommendation (Resolution Number 25-24)</u>: The initial recommendation for this item was to increase \$200,000,000 to \$1 billion. Resolution Number 25-24 has been modified to reduce the initial recommendation from \$1,000,000,000 to \$583,000,000 consistent with the bonding capacity identified earlier in this staff report and to support the ability for WRCOG to issue bonds for Greenworks based on its current pipeline of projects.

Section 5852.1 of the Government Code of the State of California provides that WRCOG obtain from an

underwriter, financial advisor, or private lender, and disclose, in a meeting open to the public, prior to authorization of the issuance of the bonds, good faith estimates of: (a) the true interest cost of the bonds, (b) the finance charge of the bonds, meaning the sum of all fees and charges paid to third parties, (c) the amount of proceeds of the bonds received less the finance charge described above and any reserves or capitalized interest paid or funded with proceeds of the bonds, and (d) the sum total of all debt service payments on the bonds calculated to the final maturity of the bonds plus the fees and charges paid to third parties not paid with the proceeds of the bonds. WRCOG's municipal advisor, PFM Financial Advisors, prepared the good faith estimate, which is included as Section 3 in the attached resolution.

Included in Resolution 25-24, the Executive Committee does hereby determine that WRCOG will not obligate itself to advance funds from the WRCOG treasury to cure any deficiency in the redemption fund established pursuant to any master indenture entered into in connection with the Bonds. The Executive Committee further declares and determines that no Regular Member or Associate Member shall be obligated to advance funds from the treasury of such Regular Member or Associate Member to cure any such deficiency in such redemption funds.

Ad Hoc Recommendation (Resolution Number 29-24): The Ad Hoc Committee is recommending an increase from \$200 million to \$500 million along with the addition of exclusionary language that would prohibit bond issuance for projects of this size. The Ad Hoc Committee is also requesting the item be referred back to the Ad Hoc to discuss the merits of changing the current WRCOG fee of 70 basis points, the current fee cap of \$250,000, and the current process of staff-level approval of projects that conform to the Executive Committee's guidelines but are of a high dollar amount.

Prior Action(s):

<u>August 5, 2024</u>: The Executive Committee requested this item to be brought back to the next Executive Committee meeting.

<u>August 5, 2019</u>: The Executive Committee adopted Resolution Number 27-19; A Resolution of the Executive Committee of the Western Riverside Council of Governments increasing maximum bond authorization for its PACE Programs and making certain required disclosures.

Financial Summary:

While WRCOG acts as the bond issuer, it does not carry the liability for the bonds on its financial statements, as these are considered a fiduciary activity of the Agency, and is reported as a custodial fund in accordance with GASB 84.

Attachment(s):

Attachment 1 - Resolution Number 25-24 Authorizing an Increase in Maximum Bond Authorization for the Greenworks PACE Program making certain required disclosures

Attachment 2 - Resolution Number 29-24 Authorizing an Increase in Maximum Bond Authorization for the Greenworks PACE Program with certain limitations and making certain required disclosures

Attachment 1

Resolution Number 25-24;
A Resolution of the Executive
Committee of the Western Riverside
Council of Governments increasing
maximum bond authorization for
Greenworks PACE program making
certain required disclosures

RESOLUTION NUMBER 25-24

A RESOLUTION OF THE EXECUTIVE COMMITTEE OF THE WESTERN RIVERSIDE COUNCIL OF GOVERNMENTS INCREASING MAXIMUM BOND AUTHORIZATION FOR GREENWORKS PACE PROGRAM AND MAKING CERTAIN REQUIRED DISCLOSURES

WHEREAS, the Executive Committee of the Western Riverside Council of Governments ("WRCOG") has established the Energy Efficiency and Water Conservation Program for Western Riverside County (commonly referred to as the "WRCOG Program") and its statewide Property Assessed Clean Energy Program (the "California Program," collectively with the WRCOG Program, the "Programs") for the purpose financing the installation of certain authorized improvements ("Authorized Improvements") on residential and commercial properties located within the program area of each of the Programs (collectively the "Program Areas" each individually a "Program Area"); and

WHEREAS, by adoption of the Resolution Numbers 08-11 and 03-12, as amended, the Executive Committee provided that one or more series of improvement bonds would be issued under the Improvement Bond Act of 1915, Division 10 of the Streets and Highways Code of California (the "1915 Act") or other financing relationships would be entered; and

WHEREAS, Resolution Number 08-13 initially authorized the Programs to issue bonded indebtedness to finance Authorized Improvements within the Program Area for both residential and commercial parcels in one or more series of bonds pursuant to Chapter 29 and the 1915 Act; and

WHEREAS, Resolution Number 02-18 authorized Greenworks Lending LLC to serve as a commercial program administrator for the Programs (the "Greenworks Program") and the issuance of bonds for the Greenworks Program; and

WHEREAS, Resolution Number 08-13 was subsequently amended by Resolution Numbers 24-13, 22-14, 26-14, 39-15, 04-17, 10-17, 43-17, 02-18, 46-18, 05-19, and 27-19 which collectively authorized the issuance of one or more series of bonds to finance the Authorized Improvements and provided a maximum amount of aggregate principal amount of bonds that maybe issued for the Greenworks Program; and

WHEREAS, the current maximum amount of aggregate principal amount of bonded indebtedness that maybe issued pursuant to the Greenworks Program is \$200,000,000; and

WHEREAS, the Greenworks Program is anticipated to finance Authorized Improvements in excess of such amount and an increase in the maximum amount of aggregate principal amount of bonds that maybe issued for the Greenworks Program is required; and

WHEREAS, Section 5852.1 of the Government Code of the State of California provides that WRCOG obtain from an underwriter, financial advisor or private lender and disclose, in a meeting open to the public, prior to authorization of the issuance of the bonds, good faith estimates of: (a) the true interest cost of the bonds, (b) the finance charge of the bonds, meaning the sum of all fees and charges paid to third parties, (c) the amount of proceeds of the bonds received less the finance charge described above and any reserves or capitalized interest paid or funded with proceeds of the bonds and (d) the sum total of all debt service payments on the bonds calculated to the final maturity of the bonds plus the fees and charges paid to third parties not paid with the proceeds of the bonds; and

WHEREAS, WRCOG desires to increase the aggregate maximum amount of indebtedness authorization for the Greenworks Programs and make the disclosures required pursuant to Section 5852.1;

NOW, THEREFORE, BE IT RESOLVED, by the Executive Committee of the Western Riverside Council of Governments as follows:

<u>Section 1.</u> Authorizing Resolutions. The Resolutions listed in the recitals above are hereby collectively referred to herein as the "Authorizing Resolutions."

Section 2. Authorization of the Issuance of the Bonds. The Executive Committee hereby authorizes the issuance of one or more series of bonds of the Greenworks Program under and pursuant to the Chapter 29, the 1915 Act, the Resolutions cited in the recitals and this Resolution in the following maximum aggregate principal amount:

a. Greenworks Program bonds (the "Bonds") secured by assessments levied on participating commercial parcels located in the Program Areas: \$583,000,000.

Such amount is the aggregate amount since the inception of the Greenworks Program and such authorization shall apply retroactively since that date.

Section 3. Good Faith Estimate. The good faith estimates set forth herein are provided with respect to the Bonds in accordance with California Government Code Section 5852.1. Such good faith estimates have been provided to the WRCOG by the Municipal Advisor in consultation with the Underwriter.

Principal Amount. The Municipal Advisor has informed the WRCOG that, based on the financing plan and current market conditions, its good faith estimate of the aggregate principal amount of the Bonds to be sold is \$583,000,000 (the "Estimated Principal Amount"), which excludes approximately \$0 (of net premium estimated to be generated based on current market conditions). Net premium is generated when, on a net aggregate basis for a single issuance of bonds, the price paid for such bonds is higher than the face value of the bonds.

True Interest Cost of the Bonds. The Municipal Advisor has informed WRCOG that, assuming that the Estimated Principal Amount of the Bonds is sold, and based on market interest rates prevailing at the time of preparation of such estimate, its good faith estimate of the true interest cost of the Bonds, which means the rate necessary to discount the amounts payable on the respective principal and interest payment dates to the purchase price received for the Bonds, is 8.274628%.

Finance Charge of the Bonds. The Municipal Advisor has informed the WRCOG that, assuming that the Estimated Principal Amount of the Bonds is sold and based on market interest rates prevailing at the time of preparation of such estimate, its good faith estimates of the finance charge for the Bonds, which means the sum of all fees and charges paid to third parties (or costs associated with the Bonds), is \$13,160,000.

Amount of Proceeds to be Received. The Municipal Advisor has informed WRCOG that, assuming that the Estimated Principal Amount of the Bonds is sold, and based on market interest rates prevailing at the time of preparation of such estimate, its good faith estimate of the amount of proceeds expected to be received by WRCOG, for the sale of the Bonds, less the finance charge of the Bonds, as estimated above, and any reserves or capitalized interest paid or funded with proceeds of the Bonds, is \$569,840,000.

Total Payment Amount. The Municipal Advisor has informed WRCOG that, assuming that the Estimated Principal Amount of the Bonds is sold, and based on market interest rates prevailing at the time of preparation of such estimate, its good faith estimate of the total payment amount, which means the sum total of all debt service payments on the Bonds, plus the finance charge for the Bonds, as described above, not paid with the proceeds of the Bonds, calculated to the final maturity of the Bonds, is \$1,180,665,155.56 (excluding any offsets from reserves or capitalized interest).

The foregoing estimates constitute good faith estimates only. The actual principal amount of the Bonds issued and sold, the true interest cost thereof, the finance charges thereof, the amount of proceeds received therefrom and total payment amount with respect thereto may differ from such good faith estimates due to (a) the actual date of the sale of the Bonds being different than the date assumed for purposes of such estimates, (b) the actual principal amount of Bonds sold being different from the Estimated Principal Amount, (c) the actual amortization of the Bonds being different than the amortization assumed for purposes of such estimates, (d) the actual market interest rates at the time of sale of the Bonds being different than those estimated for purposes of such estimates, (e) other market conditions, or (f) alterations in the financing plan or finance charges, or a combination of such factors. The actual date of sale of the Bonds and the actual principal amount of Bonds sold will be determined by WRCOG, based on the timing of the need for proceeds of the Bonds and other factors. The actual interest rates borne by the Bonds will depend on market interest rates at the time of sale thereof. The actual amortization of the Bonds will also depend, in part, on market interest rates at the time of sale thereof. Market interest rates are affected by economic and other factors beyond the control of the WRCOG.

Section 4. No Obligation of WRCOG, its Regular Members or Associate Members. Pursuant to Streets and Highways Code Section 8769, this Executive Committee does hereby determine that WRCOG will not obligate itself to advance funds from the WRCOG treasury to cure any deficiency in the redemption fund established pursuant to any master indenture entered into in connection with the Bonds. The Executive Committee further declares and determines that no Regular Member or Associate Member shall be obligated to advance funds from the treasury of such Regular Member or Associate Member to cure any such deficiency in such redemption funds.

<u>Section 5.</u> <u>Conditions of Approval.</u> The approvals, authorization and direction given by this Resolution are conditioned upon the satisfaction of the requirements of the requirements set forth in the Authorizing Resolutions without the further approval or action of the Executive Committee.

Section 6. Official Actions. The Executive Director or his delegate is hereby authorized and directed, for and in the name and on behalf of WRCOG, to do any and all things and take any and all actions, including execution and delivery of any and all assignments, certificates, requisitions, agreements, notices, consents, instruments of conveyance, warrants and other documents, which they, or any of them, may deem necessary or advisable in order to consummate the issuance and sale of the Bonds and any of the other transactions contemplated by the documents approved pursuant to this Resolution. All actions heretofore taken by the officers and agents of WRCOG with respect to the sale and issuance of the Bonds are hereby approved, confirmed and ratified.

<u>Section 7.</u> <u>Effective Date.</u> This Resolution shall take effect upon the date of its adoption.

PASSED AND ADOPTED by the Executive Committee of the Western Riverside Council of Governments on September 9, 2024.

Rita Rogers, Chair WRCOG Executive Committee	Dr. Kurt Wilson, Secretary WRCOG Executive Committee	
Approved as to form:		
Best Best & Krieger LLP WRCOG Bond Counsel		
AYES: NAYS:	ABSENT:	ABSTAIN:

Attachment 2

Resolution Number 29-24;
A Resolution of the Executive
Committee of the Western Riverside
Council of Governments increasing
maximum bond authorization for
Greenworks PACE program with
certain limitations and making certain
required disclosures

RESOLUTION NO. 29-24

RESOLUTION OF THE EXECUTIVE COMMITTEE OF THE WESTERN RIVERSIDE COUNCIL OF GOVERNMENTS INCREASING MAXIMUM BOND AUTHORIZATION FOR GREENWORKS PACE PROGRAM WITH CERTAIN LIMITATIONS AND MAKING CERTAIN REQUIRED DISCLOSURES

WHEREAS, the Executive Committee of the Western Riverside Council of Governments ("WRCOG") has established the Energy Efficiency and Water Conservation Program for Western Riverside County (commonly referred to as the "WRCOG Program") and its statewide Property Assessed Clean Energy Program (the "California Program," collectively with the WRCOG Program, the "Programs") for the purpose financing the installation of certain authorized improvements ("Authorized Improvements") on residential and commercial properties located within the program area of each of the Programs (collectively the "Program Areas" each individually a "Program Area"); and

WHEREAS, by adoption of Resolution Numbers 08-11 and 03-12 of the Executive Committee, as amended, the Executive Committee provided that one or more series of improvement bonds would be issued under the Improvement Bond Act of 1915, Division 10 of the Streets and Highways Code of California (the "1915 Act") or other financing relationships would be entered; and

WHEREAS, Resolution Number 08-13 of the Executive Committee initially authorized the Programs to issue bonded indebtedness to finance Authorized Improvements within the Program Area for both residential and commercial parcels in one or more series of bonds pursuant to Chapter 29 and the 1915 Act; and

WHEREAS, Resolution Number 02-18 of the Executive Committee authorized Greenworks Lending, LLC, to serve as a commercial program administrator for the Programs (the "Greenworks Program") and the issuance of bonds for the Greenworks Program; and

WHEREAS, Resolution Number 08-13 was subsequently amended by Resolution Numbers 24-13, 22-14, 26-14, 39-15, 04-17, 10-17, 43-17, 02-18, 46-18, 05-19, and 27-19 which collectively authorized the issuance of one or more series of bonds to finance the Authorized Improvements and provided a maximum amount of aggregate principal amount of bonds that maybe issued for the Greenworks Program; and

WHEREAS, the current maximum amount of aggregate principal amount of bonded indebtedness that maybe issued pursuant to the Greenworks Program is \$200,000,000; and

WHEREAS, the Greenworks Program is anticipated to finance Authorized Improvements in excess of such amount and an increase in the maximum amount of aggregate principal amount of bonds that maybe issued for the Greenworks Program is required; and

WHEREAS, WRCOG's PACE Ad Hoc Committee has recommended that assessment contracts originated by the Greenworks Program in excess of \$36,000,000 be required to be approved by the Executive Committee prior to staff approval of such assessment contracts; and

WHEREAS, WRCOG's PACE Ad Hoc Committee has requested that the it formally review the current fee structure for WRCOG's fees which is currently 70 basis points of the project size for each bond financing with a cap of \$250,000 as well as the current procedure for allowing staff approval of each project; and

WHEREAS, Section 5852.1 of the Government Code of the State of California ("Section 5852.1") provides that WRCOG obtain from an underwriter, financial advisor or private lender and disclose, in a meeting open to the public, prior to authorization of the issuance of the bonds, good faith estimates of: (a) the true interest cost of the bonds, (b) the finance charge of the bonds, meaning the sum of all fees and charges paid to third parties, (c) the amount of proceeds of the bonds received less the finance charge described above and any reserves or capitalized interest paid or funded with proceeds of the bonds and (d) the sum total of all debt service payments on the bonds calculated to the final maturity of the bonds plus the fees and charges paid to third parties not paid with the proceeds of the bonds; and

WHEREAS, WRCOG desires to increase the aggregate maximum amount of indebtedness authorization for the Greenworks Programs and make the disclosures required pursuant to Section 5852.1.

NOW, THEREFORE, BE IT RESOLVED, by the Executive Committee of the Western Riverside Council of Governments as follows:

<u>Section 1.</u> <u>Authorizing Resolutions</u>. The resolutions listed in the recitals above are hereby collectively referred to herein as the "Authorizing Resolutions."

Section 2. Authorization of the Issuance of the Bonds. The Executive Committee hereby authorizes the issuance of one or more series of bonds of the Greenworks Program under and pursuant to the Chapter 29, the 1915 Act, the Resolutions cited in the recitals and this Resolution in the following maximum aggregate principal amount:

a. Greenworks Program bonds (the "Bonds") secured by assessments levied on participating commercial parcels located in the Program Areas: \$500,000,000; provided that any one assessment contract with a principal amount in excess of \$36,000,000 shall be submitted to the Executive Committee for approval

Such amount is the aggregate amount since the inception of the Greenworks Program and such authorization shall apply retroactively since that date.

<u>Section 3.</u> <u>Review of Current Fee and Practices.</u> The PACE Ad Hoc Committee is hereby instructed to formally review the current fee structure for WRCOG's fees as well as the current procedure for approval of assessment contracts.

Section 4. Good Faith Estimate. The good faith estimates set forth herein are provided with respect to the Bonds in accordance with California Government Code Section 5852.1. Such good faith estimates have been provided to the WRCOG by the Municipal Advisor in consultation with the Underwriter.

Principal Amount. The Municipal Advisor has informed the WRCOG that, based on the financing plan and current market conditions, its good faith estimate of the aggregate principal amount of the Bonds to be sold is \$500,000,000 (the "Estimated Principal Amount"), which excludes approximately \$0 (of net premium estimated to be generated based on current market conditions. Net premium is

generated when, on a net aggregate basis for a single issuance of bonds, the price paid for such bonds is higher than the face value of the bonds.

True Interest Cost of the Bonds. The Municipal Advisor has informed WRCOG that, assuming that the Estimated Principal Amount of the Bonds is sold, and based on market interest rates prevailing at the time of preparation of such estimate, its good faith estimate of the true interest cost of the Bonds, which means the rate necessary to discount the amounts payable on the respective principal and interest payment dates to the purchase price received for the Bonds, is 8.274629%.

Finance Charge of the Bonds. The Municipal Advisor has informed the WRCOG that, assuming that the Estimated Principal Amount of the Bonds is sold and based on market interest rates prevailing at the time of preparation of such estimate, its good faith estimates of the finance charge for the Bonds, which means the sum of all fees and charges paid to third parties (or costs associated with the Bonds), is \$11,500,000.

Amount of Proceeds to be Received. The Municipal Advisor has informed WRCOG that, assuming that the Estimated Principal Amount of the Bonds is sold, and based on market interest rates prevailing at the time of preparation of such estimate, its good faith estimate of the amount of proceeds expected to be received by WRCOG, for the sale of the Bonds, less the finance charge of the Bonds, as estimated above, and any reserves or capitalized interest paid or funded with proceeds of the Bonds, is \$488,500,000.

Total Payment Amount. The Municipal Advisor has informed WRCOG that, assuming that the Estimated Principal Amount of the Bonds is sold, and based on market interest rates prevailing at the time of preparation of such estimate, its good faith estimate of the total payment amount, which means the sum total of all debt service payments on the Bonds, plus the finance charge for the Bonds, as described above, not paid with the proceeds of the Bonds, calculated to the final maturity of the Bonds, is \$1,012,575,111.11 (excluding any offsets from reserves or capitalized interest).

The foregoing estimates constitute good faith estimates only. The actual principal amount of the Bonds issued and sold, the true interest cost thereof, the finance charges thereof, the amount of proceeds received therefrom and total payment amount with respect thereto may differ from such good faith estimates due to (a) the actual date of the sale of the Bonds being different than the date assumed for purposes of such estimates, (b) the actual principal amount of Bonds sold being different from the Estimated Principal Amount, (c) the actual amortization of the Bonds being different than the amortization assumed for purposes of such estimates, (d) the actual market interest rates at the time of sale of the Bonds being different than those estimated for purposes of such estimates, (e) other market conditions, or (f) alterations in the financing plan or finance charges, or a combination of such factors.

The actual date of sale of the Bonds and the actual principal amount of Bonds sold will be determined by WRCOG, based on the timing of the need for proceeds of the Bonds and other factors. The actual interest rates borne by the Bonds will depend on market interest rates at the time of sale thereof. The actual amortization of the Bonds will also depend, in part, on market interest rates at the time of sale thereof. Market interest rates are affected by economic and other factors beyond the control of the WRCOG.

Section 5. No Obligation of WRCOG, its Regular Members or Associate Members. Pursuant to Streets and Highways Code Section 8769, this Executive Committee does hereby determine that WRCOG will not obligate itself to advance funds from the WRCOG treasury to cure any deficiency in the redemption fund established pursuant to any master indenture entered into in connection with the Bonds. The Executive Committee further declares and determines that no Regular Member or

Associate Member shall be obligated to advance funds from the treasury of such Regular Member or Associate Member to cure any such deficiency in such redemption funds.

<u>Section 6.</u> <u>Conditions of Approval</u>. The approvals, authorization and direction given by this Resolution are conditioned upon the satisfaction of the requirements of the requirements set forth in the Authorizing Resolutions without the further approval or action of the Executive Committee.

Section 7. Official Actions. The Executive Director or his delegate is hereby authorized and directed, for and in the name and on behalf of WRCOG, to do any and all things and take any and all actions, including execution and delivery of any and all assignments, certificates, requisitions, agreements, notices, consents, instruments of conveyance, warrants and other documents, which they, or any of them, may deem necessary or advisable in order to consummate the issuance and sale of the Bonds and any of the other transactions contemplated by the documents approved pursuant to this Resolution. All actions heretofore taken by the officers and agents of WRCOG with respect to the sale and issuance of the Bonds are hereby approved, confirmed and ratified.

<u>Section 8.</u> <u>Effective Date</u>. This Resolution shall take effect upon the date of its adoption.

PASSED AND ADOPTED at a meeting of the Executive Committee of the Western Riverside Council of Governments held on September 9, 2024.

Rita Rogers, C WRCOG Exec	hair utive Committee		Vilson, Secretary Executive Committee
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Approved as to	o form:		
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Western Riverside Council of Governments Joint Meeting of the WRCOG Executive Committee and Supporting Foundation

Staff Report

Subject: Policy Setting the Parameters for Adding Agencies to the WRCOG Structure

Contact: Dr. Kurt Wilson, Executive Director, kwilson@wrcog.us, (951) 405-6701

Date: September 9, 2024

Recommended Action(s):

1. Adopt Resolution Number 26-24, a Resolution of the Executive Committee of the Western Riverside Council of Governments adopting a policy statement for consideration of new voting representatives.

Summary:

This item is being presented for discussion of language regarding the WRCOG governance structure.

Purpose / WRCOG 2022-2027 Strategic Plan Goal:

The purpose of this item is to consider a policy for adding agencies to the WRCOG structure. This item aligns with WRCOG's 2022-2027 Strategic Plan Goal #4 (Communicate proactively about the role and activities of the Council of Governments).

Discussion:

Background

Periodically, other public agencies from within WRCOG's subregion have inquired about their ability to join WRCOG. Currently, there is no formal process for evaluating such a request. A priority of past Chair Chris Barajas was to establish a set of criteria for evaluating such requests in order to maximize the value each member provides and receives by being part of WRCOG.

A New Member Ad Hoc Committee, consisting of Executive Committee members Brian Tisdale, Brenda Dennstedt, and Jacque Casillas, was convened to examine whether, and under what circumstances, new agencies should be admitted to the WRCOG governance structure. The Ad Hoc Committee met on multiple occasions, reviewed the history of membership within WRCOG, and the status of membership for other Councils of Government. After reviewing the information and discussing the merits of new members, the Ad Hoc Committee recommended the item be brought to the Administration & Finance Committee for further discussion. The Administration & Finance Committee met on June 12, 2024, and

discussed the recommendations from the Ad Hoc Committee.

Present Situation

Based on the Ad Hoc Committee discussion, the initial policy proposal would be:

"WRCOG values its partnerships with public agencies throughout the region and wants to continue to strengthen those relationships in whichever way is appropriate. That generally does not include admittance of new voting members to the WRCOG governance structure unless one of two conditions is met: 1) the proposed member is a newly incorporated city within the WRCOG boundaries, or 2) there is a clear nexus between the core mission of WRCOG and the proposed agency along with a clear benefit to existing WRCOG agencies."

There was additional discussion of some sort of tiered membership level that would support continued partnerships without including voting privileges. The term Associate Member is currently used to identify cities and counties outside of the WRCOG boundary which participate in the PACE financing Program. In addition to these Associate Members which have minimal engagement with WRCOG committees, we currently have participation from RCTC, RTA, and March JPA on various staff-level committees.

If desired, the policy could include some other criteria for having those agencies participate solely in staff-level committees with or without voting privileges. In that case, similar criteria could be applied on a more focused scale. A special district with a scope that only overlaps with Public Works, for example, could be considered for some level of inclusion only with the Public Works Committee.

During discussions at the Administration & Finance Committee, the policy was slightly modify to replace the words "voting member" with "voting representative". With that change, the policy was updated to read:

"WRCOG values its partnerships with public agencies throughout the region and wants to continue to strengthen those relationships in whichever way is appropriate. That generally does not include admittance of new voting representatives to the WRCOG governance structure unless one of two conditions is met: 1) the proposed member is a newly incorporated city within the WRCOG boundaries, or 2) there is a clear nexus between the core mission of WRCOG and the proposed agency along with a clear benefit to existing WRCOG agencies."

Based on discussion with WRCOG Legal Counsel, it was determined that the most appropriate mechanism to implement this policy this language was to adopt a resolution, which is typical for many WRCOG policies. The proposed resolution incorporating the language above is attached to this staff report and the Executive Committee will be asked to approve the resolution.

Prior Action(s):

August 14, 2024: The Administration & Finance Committee recommended that the Executive Committee adopt a policy that states "WRCOG values its partnerships with public agencies throughout the region and wants to continue to strengthen those relationships in whichever way is appropriate. That generally does not include admittance of new voting representatives to the WRCOG governance structure unless one of two conditions is met: 1) the proposed member is a newly incorporated city within the WRCOG boundaries, or 2) there is a clear nexus between the core mission of WRCOG and the

proposed agency along with a clear benefit to existing WRCOG agencies."

<u>June 12, 2024</u>: The Administration & Finance Committee discussed and requested language be brought back for review.

Financial Summary:

Adopting this policy has no direct fiscal impact on WRCOG. A fiscal impact resulting from this new policy would only occur if an agency were to be added to WRCOG, which might increase the amount of revenue generated through the annual assessment on member dues.

Attachment(s):

Attachment 1 - June 2024 A&F discussion regarding criteria for adding additional agencies to WRCOG

Attachment 2 - Resolution Number 30-24 Approving Policy for Admitting New Voting Representatives



Western Riverside Council of Governments Administration & Finance Committee

Staff Report

Subject: Discussion Regarding Criteria for Adding Additional Agencies to WRCOG

Contact: Dr. Kurt Wilson, Executive Director, kwilson@wrcog.us, (951) 405-6701

Date: June 12, 2024

Recommended Action(s):

1. Discuss whether or not new agencies should be included in the WRCOG Governance structure and provide direction to the Executive Director related to any criteria or process desired to carry out the Committee's policy decision.

Summary:

This item is intended to facilitate a discussion about the WRCOG governance structure and whether or not additional agencies should be included.

Purpose / WRCOG 2022-2027 Strategic Plan Goal:

The purpose of this item is to discuss the potential of adding other agencies to WRCOG. This item aligns with WRCOG's 2022-2027 Strategic Plan Goal #4 (Communicate proactively about the role and activities of the Council of Governments).

Discussion:

Background

Periodically, other public agencies from within our subregion have inquired about their ability to join WRCOG. Currently, there is no formal process for evaluating such a request. A priority of Chair Barajas was to establish a set of criteria for evaluating such requests in order to maximize the value each member provides and receives by being part of WRCOG.

Present Situation

Chair Barajas established an Ad Hoc Committee consisting of Brian Tisdale, Brenda Dennstedt, and Jacque Casillas. The Ad Hoc Committee met on multiple occasions, reviewed the history of membership within WRCOG and the status of membership for other Councils of Government. After reviewing the information and discussing the merits of new members, the Ad Hoc Committee recommended the item be brought to the A&F Committee for further discussion.

If a recommendation emerges from this Committee, it would be forwarded to the Executive Committee
for final approval. Depending on the nature of any recommendation, an additional step would be a legal
analysis to determine the conformity with any applicable laws or procedures including the WRCOG JPA
and Bylaws.

Prior Action(s):
None.
Financial Summary:
This item is for informational purposes only; therefore, there is no fiscal impact.
Attachment(s):
None.

<u>Attachment</u>

Resolution Number 30-24 Adopting a Policy Statement for consideration of new voting representatives

RESOLUTION NUMBER 30-24

A RESOLUTION OF THE EXECUTIVE COMMITTEE OF THE WESTERN RIVERSIDE COUNCIL OF GOVERNMENTS ADOPTING A POLICY STATEMENT FOR CONSIDERATION OF NEW VOTING REPRESENTATIVES

WHEREAS, WRCOG has valued relationships with community stakeholders including special districts and other local governmental entities throughout the region; and

WHEREAS, from time to time, public agencies in western Riverside County who are not members of WRCOG and are not otherwise voting representatives inquire about whether they can become voting representatives of WRCOG; and

WHEREAS, there is currently no formal process for evaluating requests for voting representation; and

WHEREAS, establishing a policy for evaluating requests for voting representation will enable the Executive Committee, and existing WRCOG voting representatives, to give more clear guidance and understanding to other stakeholders who may express an interest; and

WHEREAS, the Executive Committee desires to establish clear and straightforward guiding principles for considering such a requests.

NOW, THEREFORE, BE IT RESOLVED by the Executive Committee of the Western Riverside Council of Governments as follows:

Section 1. The above recitals are true and correct.

Section 2. The Executive Committee of WRCOG hereby adopts the following policy statement for considering requests for voting representation:

"WRCOG values its partnerships with public agencies throughout the region and wants to continue to strengthen those relationships in whichever way is appropriate. That generally does not include admittance of new voting representatives to the WRCOG governance structure unless one of two conditions is met: 1) the proposed member is a newly incorporated city within the WRCOG boundaries, or 2) there is a clear nexus between the core mission of WRCOG and the proposed agency along with a clear benefit to existing WRCOG agencies."

<u>Section 3.</u> This Resolution is intended to be consistent with the Joint Powers Agreement forming WRCOG; nothing herein is intended to modify any terms or provisions of the Joint Powers Agreement.

criteria for including, stakeholders from participating in WRCOG the other means that do not include voting rights.		
PASSED AND ADOPTED at a meeting of the Council of Governments held on September 9	e Executive Committee of the Western Riverside 9, 2024.	
Rita Rogers, Chair WRCOG Executive Committee	Dr. Kurt Wilson, Secretary WRCOG Executive Committee	
Approved as to form:		
Best Best & Krieger, LLP WRCOG General Counsel		

AYES: _____ NAYS: ____ ABSENT: ____ ABSTAIN: ____

This Resolution does not preclude the Executive Committee, or another authorized body or official of WRCOG, from including, or establishing

Section 4.

EXHIBIT "A"

Purchase and Sale Agreement