



Western Riverside Council of Governments Public Works Committee

REVISED AGENDA

**Thursday, October 10, 2024
2:00 PM**

**Western Riverside Council of Governments
3390 University Avenue, Suite 200
Riverside, CA 92501**

Remote Meeting Locations:

**March Joint Powers Authority
14205 Meridian Parkway, Suite 140
Riverside, CA 92518**

**County of Riverside Administrative Center
4080 Lemon Street, 8th Floor
Riverside, CA 92501**

**City of Calimesa
908 Park Avenue
Calimesa, CA 92320**

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: 898 5444 6476
Passcode: 391456**

Dial in: 669 444 9171 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 Public Works 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 Lucy Felix 72 hours prior to the meeting at (951) 405-6706 or lfelix@wrcog.us. Later requests will be accommodated to the extent feasible.

The Committee may take any action on any item listed on the agenda, regardless of the Requested Action.

1. CALL TO ORDER (Savat Kamphou, 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 agenda 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 8, 2024, Public Works Committee Meeting

Requested Action(s):

1. Approve the Action Minutes from the August 8, 2024, Public Works Committee meeting.

6. REPORTS / DISCUSSION

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

A. TUMF Nexus Study Implementation

Requested Action(s):

1. Receive and file.

B. Emerging Mobility Innovations

Requested Action(s):

1. Receive and file.

7. REPORT FROM THE DEPUTY EXECUTIVE DIRECTOR

Chris Gray

8. ITEMS FOR FUTURE AGENDAS

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

9. GENERAL ANNOUNCEMENTS

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

10. NEXT MEETING

The next Public Works Committee meeting is scheduled for Thursday, December 12, 2024, at 2:00 p.m., in WRCOG's office at 3390 University Avenue, Suite 200, Riverside.

11. ADJOURNMENT

Public Works Committee

Action Minutes

1. CALL TO ORDER

The meeting of the WRCOG Public Works Committee was called to order by Vice-Chair Savat Kamphou at 2:00 p.m. on Thursday, August 8, 2024, at the WRCOG office.

2. PLEDGE OF ALLEGIANCE

Vice-Chair Kamphou led the Committee members and guests in the Pledge of Allegiance.

3. ROLL CALL

- City of Beaumont - Dustin Christianson
- City of Calimesa - Mike Thornton
- City of Canyon Lake - Stuart McKibbin
- City of Corona - Savat Khamphou (Vice-Chair)
- City of Hemet - Kathleen Ferris
- City of Lake Elsinore - Yu Tagai
- City of Menifee - Nick Fiddler
- City of Moreno Valley - Melissa Walker
- City of Murrieta - Bob Moehling
- City of Perris - Brad Brophy*
- City of Riverside - Gil Hernandez
- City of San Jacinto - Stuart McKibbin
- City of Temecula - Ron Moreno
- City of Wildomar - Jason Farag
- County of Riverside - Dennis Acuna
- March Joint Powers Authority (JPA) - Lauren Sotelo*
- Riverside Transit Agency (RTA) - Mauricio Alvarez

*Arrived after Roll Call

Absent:

- City of Banning
- City of Eastvale
- City of Jurupa Valley
- City of Norco
- City of Wildomar
- Riverside County Transportation Commission (RCTC)

4. SELECTION OF PUBLIC WORKS COMMITTEE CHAIR, VICE-CHAIR, AND 2ND VICE-CHAIR POSITIONS FOR FISCAL YEAR 2024/2025

A. Leadership Selection for Fiscal Year 2024/2025 and Recognition of Outgoing Chair

RESULT:	APPROVED AS RECOMMENDED
MOVER:	Calimesa
SECONDER:	Temecula
AYES:	Beaumont, Calimesa, Canyon Lake, Corona, Hemet, Lake Elsinore, Menifee, Moreno Valley, Murrieta, Perris, Riverside, San Jacinto, Temecula, Wildomar, County of Riverside, RTA

Action:

1. Selected Savat Kamphou, City of Corona, as Chair; Jason Farag, City of Wildomar, as Vice-Chair; and Nick Fiddler, City of Menifee, as 2nd Vice-Chair for Fiscal Year 2024/2025

5. PUBLIC COMMENTS

There were no public comments.

6. CONSENT CALENDAR

RESULT:	APPROVED AS RECOMMENDED
MOVER:	Menifee
SECONDER:	Riverside
AYES:	Beaumont, Calimesa, Canyon Lake, Corona, Hemet, Lake Elsinore, Menifee, Moreno Valley, Murrieta, Perris, Riverside, San Jacinto, Temecula, County of Riverside, RTA
ABSTAIN:	Wildomar

A. Action Minutes from the June 13, 2024, Public Works Committee Meeting

Action:

1. Approved the Action Minutes from the June 13, 2024, Public Works Committee meeting.

7. REPORTS / DISCUSSION

A. Provide Overview of the TUMF Nexus Study - Final Draft

RESULT:	APPROVED AS RECOMMENDED
MOVER:	Murrieta
SECONDER:	Wildomar
AYES:	Beaumont, Calimesa, Canyon Lake, Corona, Hemet, Lake Elsinore, Menifee, Moreno Valley, Murrieta, Perris, Riverside, Temecula, Wildomar, County of Riverside, March JPA, RTA
NAYS:	San Jacinto

Actions:

1. Recommended that the WRCOG Executive Committee approve the TUMF Nexus Study.
2. Recommended that the WRCOG Executive Committee approve the updated Fee Schedule as

noted in the Recommended Fee Schedule with an effective date of April 1, 2025.

8. REPORT FROM THE DEPUTY EXECUTIVE DIRECTOR

Chris Gray, WRCOG Deputy Executive Director, reported that CVAG is currently working on a Regional Signal Synchronization Study, and will be giving a presentation at a future meeting. There will be an update on TUMF Administrative Plan focusing on various TUMF items such as reallocating funds between phases, and utility relocation. There has been work on the VMT Mitigation Program development and infrastructure. WRCOG has retained Mark Thomas to study emerging mobility options.

9. ITEMS FOR FUTURE AGENDAS

There were no requests for future agenda items.

10. GENERAL ANNOUNCEMENTS

Committee member Ron Moreno announced that Amer Attar will be retiring after 25 years of with the City of Temecula, and wished him well.

Committee member Melissa Walker stated that the City of Moreno Valley had an "Equipment Rodeo," which is a competition on heavy equipment such as forklifts and back-hoes. It begins with a day of training for staff to learn different skills while having fun. Committee member Walker invited interested members to reach out to participate in the next event, sometime in the spring of next year.

11. NEXT MEETING

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

12. ADJOURNMENT

The meeting was adjourned at 3:31 p.m.



Western Riverside Council of Governments Public Works Committee

Staff Report

Subject: TUMF Nexus Study Implementation
Contact: Chris Gray, Deputy Executive Director, cgray@wrcog.us, (951) 405-6710
Date: October 10, 2024

Recommended Action(s):

1. Receive and file.

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. The Executive Committee approved the updated Nexus Study and the updated Fee Schedule at its September 9, 2024, meeting. This report will discuss the various tasks required to implement the updated TUMF Nexus Study and Fee Schedule.

Purpose / WRCOG 2022-2027 Strategic Plan Goal:

The purpose of this item is to provide an update regarding the implementation of the updated TUMF Nexus Study and Fee Schedule. This effort aligns with WRCOG's 2022-2027 Strategic Plan Goal #5 (Develop projects and programs that improve infrastructure and sustainable development in our sub-region).

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

On September 9, 2024, the Executive Committee approved the updated TUMF Nexus Study and adopted the revised Fee Schedule. Fees for single-family residential, multi-family residential, and industrial were increased based on the recommendations of the Nexus Study. Retail and service fees were maintained at their current levels.

Implementation of the Nexus Study and updated Fee Schedule require a number of specific actions which include:

- Updating and adopting the TUMF Ordinance and Fee Resolution
- Updating the Fee Calculation Handbook
- Updating the Administrative Plan
- Updating the website and Fee Estimator Tool
- Updating the TUMF payment portal
- Outreach for developers and other stakeholders

As part of this effort, WRCOG will be working with its member agencies to clarify any outstanding questions or address areas where ambiguity might exist such as:

- Definition of single-family vs multi-family housing
- TUMF collection at Certificate of Occupancy vs permit issuance
- Definition of accessory dwelling units (ADUs)
- Change of land use and reconstruction
- Tiered residential fee structure (AB 602)
- Application of AB 602 as it applies to the retrofit of existing homes
- Residential fee rates due to SB-330

One key topic of discussion will be the impact of recent state legislation regarding ADUs and how the TUMF Program will address the ADU exemption under both the existing TUMF Ordinance and the updated TUMF Ordinance which will reflect the adopted Fee Schedule.

Prior Action(s):

September 9, 2024: The Executive Committee approved the updated TUMF Nexus Study and approved the updated Fee Schedule with a freeze in retail and service rates.

August 15, 2024: 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.

August 8, 2024: 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.

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 - Recommended Fee Schedule](#)

[Attachment 2 - AB 602 Fee Implementation](#)

Attachment

Recommended Fee Schedule

Recommended Fee Schedule

Land Use Type	Units	TUMF Fee
Single-Family Residential	DU	\$15,476 *
Multi-Family Residential	DU	\$7,816
Retail	SF	\$7.72
Service	SF	\$4.89
Industrial	SF	\$2.33
Class A/B Office	SF	\$2.45

* SF Rate is adjusted lower or higher based on size of home per AB-602



Attachment

AB-602 Fee Implementation

AB 602 Single Family TUMF Fee

Home Size	Existing TUMF	AB 602 TUMF
Less than 1,800 SF	\$10,104	\$12,380
1801-2300 SF	\$10,104	\$13,927
2301-2700 SF	\$10,104	\$15,476
More than 2,700 SF	\$10,104	\$19,344



Western Riverside Council of Governments Public Works Committee

Staff Report

Subject: Emerging Mobility Innovations
Contact: Paul Martin, PE, TE, Mark Thomas, Senior Project Manager,
pmartin@markthomas.com, (949) 697-7840
Date: October 10, 2024

Recommended Action(s):

1. Receive and file.
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Summary:

WRCOG has been working with an engineering and planning firm, Mark Thomas, to prepare a memorandum on Emerging Mobility Options. This memorandum evaluates the impacts of changing demographics, travel patterns, and access to these new mobility options to outline strategies to support their growth and increased use in the WRCOG subregion. An overview of this project and a summary of Mark Thomas' findings will be provided.

Purpose / WRCOG 2022-2027 Strategic Plan Goal:

The purpose of this item is to provide an overview of the emerging transportation technology 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

Like many regions across the state and country, the communities in western Riverside County are aging, people are aging in place, and household sizes are decreasing. These and other changes are affecting how these communities look and function. As these demographic trends continue, WRCOG has been exploring opportunities to incorporate emerging mobility options to address challenges and capitalize on opportunities. Emerging mobility options such as micromobility, electric bicycles (e-bikes), golf carts, and low-speed neighborhood electric vehicles (NEVs) can serve local transportation trips and integrate with regional transit to accommodate an expanded reach of daily household transportation needs. In June 2024, Mark Thomas staff presented an initial summary of the project's scope of work to WRCOG's Public Works Committee.

This presentation will highlight Mark Thomas' findings and proposed strategies to enhance the

applicability and benefit of these emerging mobility options in the WRCOG subregion.

Emerging Mobility Options Summary

The memorandum developed by Mark Thomas evaluates the impacts of changing demographics, travel patterns, and access to new mobility options. New or emerging mobility options include e-bikes, golf carts, NEVs, and micromobility. Included in this evaluation are ideas for increasing use of e-bikes, NEVs, and micromobility through improvements to transit first / last-mile, network infrastructure and charging infrastructure. Attached to the staff report is a summary of strategies and solutions for micromobility, e-bikes and NEVs.

Prior Action(s):

None.

Financial Summary:

Activities related to this study are included in Transportation and Planning's Fiscal Year 2024/2025 Budget under the Local Transportation Fund (Fund 210).

Attachment(s):

[Attachment 1 - Emerging Mobility Innovations Memo Summary](#)

Emerging Mobility Options Summary

The memorandum developed by Mark Thomas evaluates the impacts of changing demographics, travel patterns, and access to new mobility options. New or emerging mobility options include electric bicycles (e-bikes), golf carts, neighborhood electric vehicles (NEVs), and micromobility. Included in this evaluation are ideas for increasing use of e-bikes, NEVs, and micromobility through improvements to transit first/last-mile, network infrastructure and charging infrastructure.

Micromobility

Micromobility has become a prominent mode of transportation in many U.S. communities that offers a convenient, flexible, and affordable solution for travel, particularly supporting short-distance trips and first- and last-mile gaps in public transit networks. Micromobility provides several benefits to urban areas, including reduced traffic congestion, reduced parking demand, expanded and low-cost mobility options, and lower greenhouse gas (GHG) emissions. A summary of proposed strategies and solutions to support micromobility is provided below.

Topic	Summary of Micromobility Strategies and Solutions
Land Use	Build infrastructure within the transit hubs, residential areas, employment centers, retail centers, and public service destinations such as libraries, malls, museums, and hospitals to best support active transportation and micromobility.
	Develop policies and programs that supports active transportation and micromobility within the identified land use areas of WRCOG member agencies.
Infrastructure	Implement low-stress bikeways within land uses and to destinations that support active transportation and micromobility.
	Consider bicycle racks at targeted locations.
	Consider micromobility lockers at targeted locations.
	Consider demarcated parking areas at targeted locations.
	Consider street parking corrals at targeted locations.
	Consider sidewalk parking along existing and planned sidewalks with adequate width.
Policy	Establish flexible policies that allow for quick adaptation to technological advances and changes in usage patterns.
	Require data sharing from shared micromobility providers to monitor and evaluate service performance, including usage patterns.
	Pass fines directly to users for non-compliance. California Vehicle Code 21235 mandates that all scooter riders in California: • Possess a valid driver's license. • Ride on the road and avoid sidewalks. • May not park scooters on a sidewalk in a position that blocks pedestrian paths • Not ride any other passengers
	Require shared micromobility operators develop equity plans that detail low-income discount plans and programs to increase service accessibility for disadvantaged communities.
Programs	Implement public outreach and education campaigns in communities where the micromobility service is planned or expected to develop community trust and understanding about new mobility options. Educational efforts may include classes organized by the city or service providers, covering topics such as proper device usage and crash prevention.
	Collaborate with local organizations to increase community understanding and awareness on how to access micromobility services.
	Implement permit structures to micromobility providers to ensure compliance with safety, data standards, and equipment requirements.

E-Bikes

E-bikes have become one of the most popular micromobility devices in North America, with the number of trips taken by e-bikes growing by 26% in 2023 compared to 2022 according to the 5th Annual Shared Micromobility State of the Industry Report. E-bikes continue to establish a prominent role in mobility by offering an accessible and sustainable alternative to car travel that reduces financial burdens. A summary of proposed strategies and solutions to support e-bikes is provided below.

Topic	Summary of E-Bike Strategies and Solutions
Land Use	Implement bikeways and supporting infrastructure within transit hubs, residential areas, employment centers, retail centers, and other destinations such as schools, libraries, malls, museums, and hospitals to best support e-bike adoption.
	Develop policies and programs that support e-bike mobility within recommended land use areas.
Infrastructure	Implement low-stress bikeways separated from motor vehicles and provide well-connected networks for e-bikes.
	Implement bicycle crossing improvements like protected intersections and crossbikes.
	Provide bicycle racks throughout the bicycle network and bike corrals and lockers at key community destinations such as transit hubs, schools, and large employment centers.
	Provide lockers, showers, e-bike charging facilities and other end-of-trip amenities to support commute and utilitarian trips.
Policy	Promote and enforce helmet compliance for youth riding e-bikes and all users of Class 3 e-bikes.
	Identify regulations for e-bikes for paths, bikeways, and trails and develop signage to clearly communicate where e-bikes are permitted and prohibited.
Programs	Coordinate with local agencies, law enforcement, schools, and community-based organizations, and other stakeholders to develop e-bike training and safety education campaigns and materials.

Neighborhood Electric Vehicles (NEVs)

As a zero-emission technology, NEVs not only help reduce harmful pollutants and greenhouse gas (GHG) emissions but also alleviate traffic congestion on local roads and ease parking demands in areas where space is limited. With a growing focus on reducing transportation-related carbon footprints, NEVs provide a scalable and sustainable option for low-speed, short-distance travel, making them an important tool for agencies seeking sustainable transportation alternatives. Note NEVs have additional features that make a golf cart street legal. A summary of proposed strategies and solutions to support NEVs is provided below.

Topic	Summary of NEV Strategies and Solutions
Land Use	Identify NEV priority areas (populated residential neighborhoods, mixed-use developments, and commercial or downtown areas) with a high need and opportunity for NEVs and plan NEV infrastructure within a 5-10 mile radius.
Infrastructure	Identify corridors within a 5-10 mile radius of NEV priority areas that may support NEV routes.
	Identify the potential level of traffic stress for NEV users along corridors and the NEV routes that could be implemented that offer the greatest comfort.
	Provide clear signage that identifies NEV routes and highlights areas where pedestrians and bicyclists may share space with NEVs, such as on off-street multi-use paths (Class I) and on-street bike lanes (Class II).

	Consider customized, branded NEV route signage.
	Provide modified parking for NEVs given smaller footprint and charging facilities.
Policy	Consider mandates for NEV parking that can count towards parking minimums.
	Consider developing free or reduced parking rates for NEVs.
	Consider developing free or reduced electric charging rates for NEVs.
	Consider development incentives for developers to provide NEV parking and charging stations.
Programs	Develop public education campaigns that raise awareness of NEVs and their safe and legal use.

These emerging mobility options can fill crucial gaps in today's transportation network that may not be served as effectively through traditional mobility options. WRCOG and its partner agencies may further evaluate the applicability of each of these emerging mobility options within specific geographies in the region on a case-by-case basis. The diverse community contexts and range of urban, suburban, and rural development patterns found within the region present many opportunities for these technologies to be applied successfully with appropriate planning.