



# Western Riverside Council of Governments Public Works Committee

## AGENDA

Thursday, October 14, 2021  
2:00 PM

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

**WRCOG'S OFFICE IS CURRENTLY CLOSED TO THE PUBLIC DUE TO COVID-19**

[Join Zoom Meeting](#)

Meeting ID: 845 2843 7855

Password: 101421

Dial in: (669) 900 9128 U.S.

**SPECIAL NOTICE – COVID-19 RELATED PROCEDURES IN EFFECT**

Due to the State and local recommendations for social distancing resulting from the threat of Novel Coronavirus (COVID-19), this meeting is being held via Zoom under Assembly Bill 361 (Government Code Section 54953) (AB 361). Pursuant to AB 361, WRCOG does not need to make a physical location available for members of the public to observe a public meeting and offer public comment. AB 361 allows WRCOG to hold Committee meetings via teleconferencing or other electronic means and allows for members of the public to observe and address the committee telephonically or electronically.

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 [snelson@wrcog.us](mailto:snelson@wrcog.us).

Any member of the public requiring a reasonable accommodation to participate in this meeting in light of this announcement shall contact Suzy Nelson 72 hours prior to the meeting at (951) 405-6703 or [snelson@wrcog.us](mailto:snelson@wrcog.us). Later requests 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 (Mark Lancaster, 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. Summary Minutes from the September 9, 2021, Public Works Committee Meeting**

**Requested Action(s):** 1. Approve the Summary Minutes from the September 9, 2021, Public Works Committee meeting.

**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. WRCOG Transportation Modeling Services**

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

**B. Presentation and Demonstration from Streetlight Data, Inc.**

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

**7. REPORT FROM THE DEPUTY EXECUTIVE DIRECTOR**

Chris Gray

**8. ITEMS FOR FUTURE AGENDAS ~ Members**

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

**9. GENERAL ANNOUNCEMENTS ~ Members**

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

**10. NEXT MEETING**

The Public Works Committee meeting for November is canceled. The next Public Works Committee meeting is scheduled for Thursday, December 9, 2021, at 2:00 p.m., virtually via Zoom.

**11. ADJOURNMENT**

# Public Works Committee

## Minutes

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### 1. CALL TO ORDER

The meeting of the WRCOG Public Works Committee was called to order by Chair Mark Lancaster at 2:01 p.m. on September 9, 2021, on the Zoom platform.

### 2. PLEDGE OF ALLEGIANCE

Chair Lancaster led members and guests in the Pledge of Allegiance.

### 3. ROLL CALL

- City of Banning - Art Vela
- City of Beaumont - Jeff Hart
- City of Calimesa - Kristine Macalma\*
- City of Eastvale - Jimmy Chung\*
- City of Hemet - Steve Loriso
- City of Jurupa Valley - Mike Myers
- City of Lake Elsinore - Yu Tagai
- City of Moreno Valley - Michael Wolfe
- City of Murrieta - Bob Moehling
- City of Norco - Sam Nelson
- City of Perris - Stuart McKibbin\*
- City of Riverside - Gil Hernandez
- City of Temecula - Amer Attar
- County of Riverside - Mark Lancaster (Chair)
- Riverside County Transportation Commission (RCTC) - Jillian Guizado
- Riverside Transit Agency (RTA) - Kristin Warsinski

\*Arrived after roll call

### 4. PUBLIC COMMENTS

There were no public comments.

**5. CONSENT CALENDAR** – (Murrieta / Banning) 14 yes; 0 no; 0 abstention. Item 5.A was approved.

#### **A. Summary Minutes from the August 12, 2021, Public Works Committee Meeting**

##### **Action:**

1. Approved the Summary Minutes from the August 12, 2021, Public Works Committee meeting.

## 6. REPORTS / DISCUSSION

### A. VMT Mitigation Activities - City of Riverside

Nathan Mustafa, Deputy Public Works Director with the City of Riverside, reported that the City, in the process of mitigating for Vehicle Miles Traveled (VMT), has been suggested by consultants and others to consider alternate thresholds and using greenhouse gas as an alternative. The City was not comfortable in doing so and remained with recommendations from the Governor's Office of Planning & Research in order to prevent the City and its developers from California Environmental Quality Act (CEQA) challenges. In doing so, it has proven to be very costly when mitigating projects that have a significant impact.

The City is working to develop a VMT mitigation bank or exchange and with the goal of efficiency, is seeking opportunities to expand this program to other local / regional entities. The City is hoping to have this program up and running by first quarter 2022.

Chris Gray, WRCOG Deputy Executive Director, indicated that WRCOG has had a number of discussions with RCTC and RTA regarding VMT mitigation, and WRCOG staff had initially intended to address this matter in the TUMF Nexus Study update; however, it was determined that this best be completed in a parallel process.

Committee member Kristin Warsinski indicated that RTA has been approached regarding bulk pass purchases in an effort to mitigate VMT. RTA is also exploring a VMT bank that could be paid into to fund longer commuter link routes and planned to work with WRCOG and RCTC to develop a program.

Committee member Jillian Guizado indicated that this is a challenging problem and RCTC is committed to working on this type of program regionally.

Mr. Mustafa indicated that the City has looked at active transportation infrastructure but has found that costs are extreme.

#### **Action:**

1. Received and filed.

### B. TUMF Program Nexus Study Update

Chris Gray, WRCOG Deputy Executive Director, reported that the last Nexus Study update occurred in 2017. The update will take 12 - 18 months to complete and will cost approximately \$200,000; staff will provide regular updates through WRCOG's committee structure.

The five reasons to update the Nexus Study include the idea that regular updates for fee studies are best practice, growth forecasts for the WRCOG subregion have changed, there have been changes in travel behavior, and updating the Nexus Study provides the ability to update the TUMF project list, and the ability to add new types of projects. Additionally, the TUMF Administrative Plan states that staff will review the Nexus Study four years after the adoption of the 2017 Nexus Study.

Staff is recommending the addition of Intelligent Transportation Systems-type projects as an eligible project type if the TUMF Nexus Study is updated. WRCOG has had a number of discussions with the

RCTC and the RTA regarding Vehicle Miles Traveled (VMT) mitigation, and, while WRCOG staff had initially intended to address this matter in the TUMF Nexus Study update, it was determined that this would best be completed concurrently with the Nexus Study update.

WRCOG would also like to prepare an update of the Fee Comparison Study which was last updated in 2019.

**Actions:**

Recommended that the Executive Committee do the following:

1. Direct staff to begin work on a TUMF Nexus Study update.
2. Direct staff to update the TUMF Administrative Plan to expand the TUMF-eligible project list to include Intelligent Transportation Systems (ITS) projects.
3. Direct staff to 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.
4. Direct staff to begin work on an update of the Analysis of Development Impact Fees in Western Riverside County.

(Beaumont / County) 16 yes; 1 no; 0 abstention. Item 6.B was approved. The City of Calimesa voted no.

**C. Western Riverside County Energy Resilience Plan Activities Update**

Daniel Soltero, WRCOG Program Manager, reported that this initiative is grant-funded through the California Resilience Challenge, administered by the Bay Area Council.

The Western Riverside County Energy Resilience Plan will assess subregional critical facilities and identify the feasibility of implementing future microgrids and/or other energy resiliency solutions to maintain power supply during power outages. Once a list of facilities is determined, a feasibility analysis will be conducted at three sites across the subregion. An advisory group consisting of WRCOG member agencies has been established for this process.

Three workshops were held and staff identified three goals for the Plan which were widely accepted by member agencies and have identified key resilience issues impacting each community. There is a strong interest in developing replaceable examples of how energy resilience can be implemented. There is a desire for consistent access to electricity. Lastly, ensuring access to available fundamental health and safety services.

Sandy Mukherjee from AECOM reported that a hazard assessment and literature review has occurred, Plan goals and objectives have been established, and critical facilities and infrastructure have been prioritized as far as understanding energy requirements, available requirements, what the current infrastructure looks like, and where any gaps may be. Next steps include strategy assessment and framework and plan development.

Walker Wells from Raimi + Associates, reported that energy efficiency shows up as a baseline component in nearly all projects identified in the literature review. Solar and storage has been around for quite a bit of time; however, the storage aspect is still a work in progress. Energy can be generated

through microgrids and distributed to other buildings within the same property lines quite easily. Schools, libraries, and other community facilities can serve as resilience hubs, providing heating, cooling, lighting, electricity, etc.

A social vulnerability assessment will identify pockets of prioritization for investments. A facility vulnerability assessment is in progress to analyze climate hazards and social vulnerabilities that impact the proposed facilities, including extreme heat and wildfire, as well as disadvantaged communities and sensitive populations near the facilities.

Staff will coordinate with member agencies for the next steps in the Plan, which include filling facility data gaps, validating and finalizing the prioritized list of facilities, evaluating potential resilience strategies and interventions, and conducting a fall workshop to present new findings.

Chair Lancaster asked what constitutes extreme heat.

Mr. Wells responded that extreme heat is characterized as a a temperature above an expected temperature for that day, for a duration longer than what has recently been experienced in the past, or more hot days with more hours of heat at a higher level that what has been recently experienced.

**Action:**

1. Received and filed.

**7. REPORT FROM THE DEPUTY EXECUTIVE DIRECTOR**

Chris Gray reported that due to current proposed legislation, staff is unsure what future requirements will be; staff will update this Committee when that information becomes available.

**8. ITEMS FOR FUTURE AGENDAS**

There were no items for future agendas.

**9. GENERAL ANNOUNCEMENTS**

There were no general announcements.

**10. NEXT MEETING**

The next Public Works Committee meeting is scheduled for Thursday, October 14, 2021, at 2:00 p.m., virtually via Zoom.

**11. ADJOURNMENT**

The meeting of the Public Works Committee adjourned at 3:01 p.m.



# Western Riverside Council of Governments Public Works Committee

## Staff Report

**Subject:** WRCOG Transportation Modeling Services  
**Contact:** Cameron Brown, Program Manager, [cbrown@wrcog.us](mailto:cbrown@wrcog.us), (951) 405-6712  
**Date:** October 14, 2021

### **Requested Action(s):**

1. Receive and file.

### **Purpose:**

The purpose of this item is to provide an update on the WRCOG Transportation Modeling services.

### **Background:**

In late 2020, WRCOG began an initiative to provide transportation modeling services to WRCOG member jurisdictions, and independent traffic consultants. This initiative was instigated from feedback from the Planning Directors Committee and Public Works Committee for assistance with Geographic Information Systems (GIS) and traffic modeling. The service was given additional priority particularly to the need of traffic modeling as it relates to Vehicle Miles Traveled (VMT) and SB 743. SB 743 requires project-level impact on traffic to mitigate based on VMT rather than on Level of Service, although Level of Service can still be mitigated based on local general plans.

This new service coincided with the release of the Riverside County Transportation Model (RIVCOM). RIVCOM is the latest transportation model which emphasizes regional and arterial traffic for Riverside County. It has a base year of 2018 and buildout year of 2045. It is an update of the previous RIVTAM model which had a base year of 2007 and a buildout year of 2035. WRCOG released the RIVCOM model in June 2021 and set up a process to distribute the model to traffic modelers for their project level analysis. This distribution involves a cost for the use of the model to help recoup costs from the development of the model.

Not all consultants can take on the cost, time, and resources to run traffic modeling scenarios. Transportation models can often be a complex endeavor with updates to network coding and socioeconomic data changes while incurring staff time for set-up, and computer processing time to run the modeling. Due to these costs, some consultants and agencies may see the need to have a third party perform the modeling and deliver the output through traffic flow maps, volume/capacity (v/c) ratio maps, and VMT analysis. WRCOG staff can provide this service to member agencies and consultants for a minimal cost. The costs are shown below in Table 1:

**Table 1**

Access to RIVCOM Model	\$5000
Model Run with Network and Land User Adjustments	\$5000
Model Run with Land Use Adjustments	\$4000
Model Run with Network Adjustments	\$5000
Select Line / Zone Assignment - Added to Cost of Model Run	\$500
VMT per capita and VMT per employee per scenario	\$2000
Traffic Flow Camps for Existing / Future Year Models	\$300

Those who wish to access these services should contact Cameron Brown, Program Manager, at [cbrown@wrcog.us](mailto:cbrown@wrcog.us), (951) 405-6712.

**Prior Action(s):**

None.

**Fiscal Impact:**

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

**Attachment(s):**

None.





# Western Riverside Council of Governments Public Works Committee

## Staff Report

**Subject:** Presentation and Demonstration from Streetlight Data, Inc.  
**Contact:** Daniel Katleman, Senior Business Development Representative, Public Sector, Streetlight Data Inc., [daniel.katleman@streetlightdata.com](mailto:daniel.katleman@streetlightdata.com), (703) 606-4212  
**Date:** October 14, 2021

### **Requested Action(s):**

1. Receive and file.

### **Purpose:**

The purpose of this item is to provide a presentation and demonstration from Streetlight Data, Inc.

### **Background:**

Staff from Streetlight Data, Inc., will provide a brief presentation on the capabilities of its data platform that may assist local jurisdictions. This item will be the first in a series of presentations from various big data providers. WRCOG does not endorse a specific provider and is providing the presentations as information only. These presentations are being initiated as a follow-up to a discussion during a previous Public Works Committee meeting.

Transportation lies at the intersection of many of our society's core tenants that we want to change and improve. From social equity to economic development, to housing, and transportation can be a catalyst or detractor from our goals. StreetLight Data utilizes Big Data analytics to help transportation professionals solve their biggest problems. Applying proprietary machine-learning algorithms to more than four trillion spatial data points over time, StreetLight Data measures travel by bike & pedestrian, commercial & passenger vehicles, and buses & rails across the U.S. & Canada, and powers over 6,000 analyses monthly. Its platform is available 24/7 from anywhere, identifying sources of congestion, speed, annual average daily traffic (AADT), transportation management centers (TMCs), origin-destination (O-D), social equity, complete streets, and more, to optimize applications from new infrastructure to planning for autonomous vehicles.

The presentation will provide a high-level overview of the methodology as well as highlight use cases from industry peers. It will provide insight into an available tool that can serve as a resource on current or future projects.

### **Prior Action(s):**

None.

### **Fiscal Impact:**

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

**Attachment(s):**

None.