# Session 1: How to Use the Project Performance Assessment Tool

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Senior Analyst

SACOG

# Two-part training series

**Session 2: Navigating the Programming and Project Delivery Process (hybrid)**

January 22, 2026 | 9 am - 2 pm

SACOG Board Room, 1415 L St, Suite 300, Sacramento, CA

- Overview of Programming for key federal programs: STBG/RSTP, CMAQ, STIP
- Project Delivery Steps: From award to construction
- Key Caltrans Local Assistance procedures
- Common pitfalls and strategies for on-time project delivery

# Today’s agenda

- Funding Program Tentative Dates
- What is the PPA Tool?
- PPA Tool demonstration - for project sponsors
- PPA Tool project comparison tool - for reviewers
- Live demos, tips and questions

# Funding Program Tentative Dates

- System Preservation Program
  - Call for projects – March 2026
  - Applications due - May 2026
  - Awards by Summer 2026
- System Performance and Next Generation Solutions & Clean Air Programs
  - Call for projects - June 2026
  - Applications due – Fall 2026
  - Awards by December 2026
- Awarded Funds programmed in FFY 2028, 2029, 2030

# What is the PPA Tool?

## The tool helps you ...

- Understand the measured needs near your project
- Compares needs between all submitted projects using uniform metrics
- Compares needs between project area, community type and the region
- Drafts project-level statistics for use in grant applications

## The tool does NOT ...

- Score your project
  - That's what review committees do
- Tell you if your project is competitive for a specific funding program
  - SACOG staff can assist during program pre-application review
- Replace the need for local planning
  - The grant app supplement PPA tool data with local context

- 2025 Blueprint
- 2020 MTP/SCS
- Transportation
- Land Use
- Major Initiatives
- Data Resource Center
  - Data Requests
  - Open Data Portal
  - Project Performance Assessment Tool
  - SB 743 Technical Assistance
  - Travel Demand Model
- Planning Resources


Planning » Data Resource Center »

# Project Performance Assessment (PPA) Tool

Font Size: + - Share & Bookmark Feedback Print

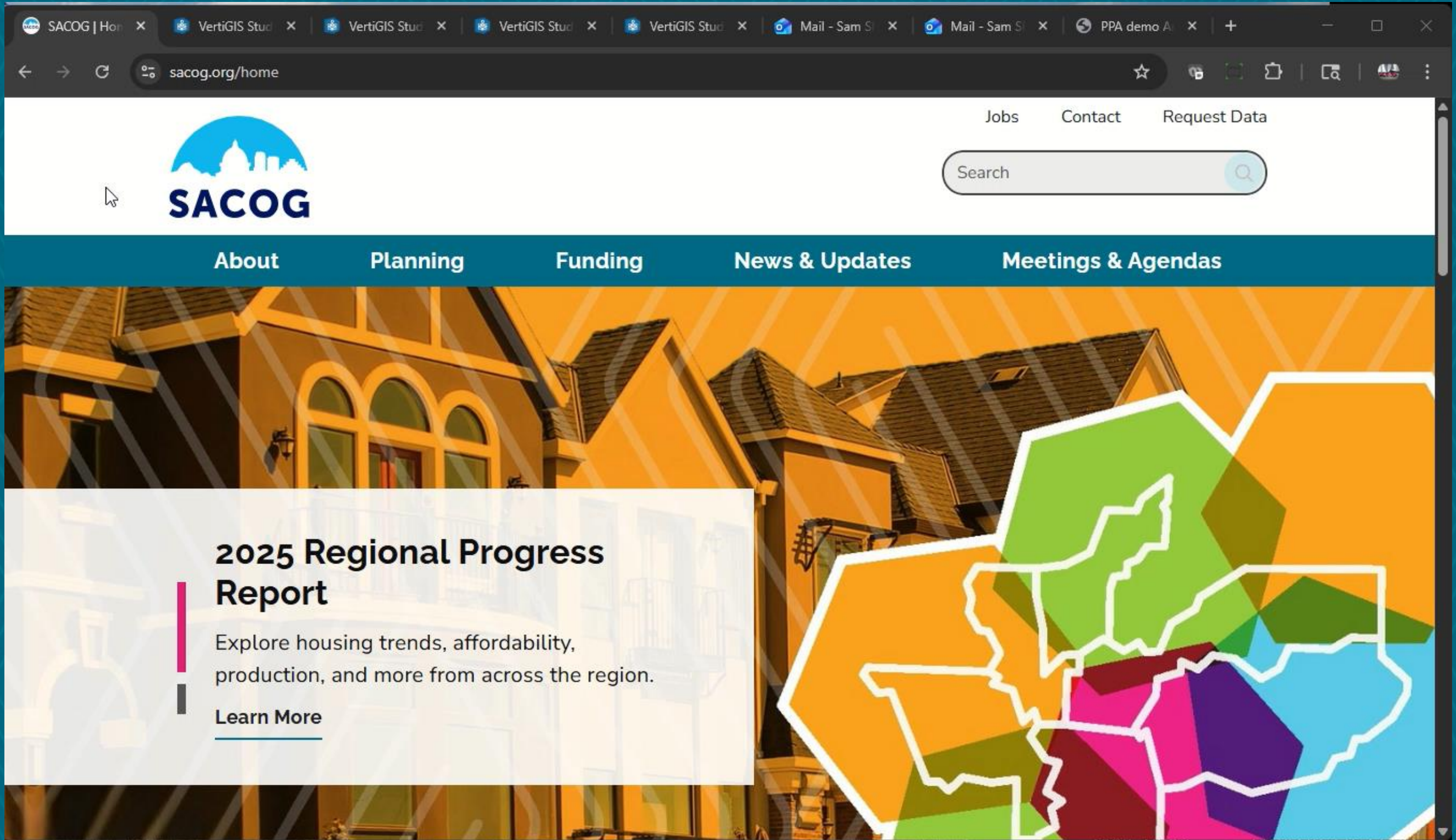
The Project Performance Assessment (PPA) tool links the numerous data sources SACOG tracks and maintains with key policy objectives of the region's long-range transportation plan (now called the Blueprint). A cornerstone of the tool has been to support data-driven decision making while enhancing transparency in transportation planning and programming. As such, the tool is online and open for anyone to use.

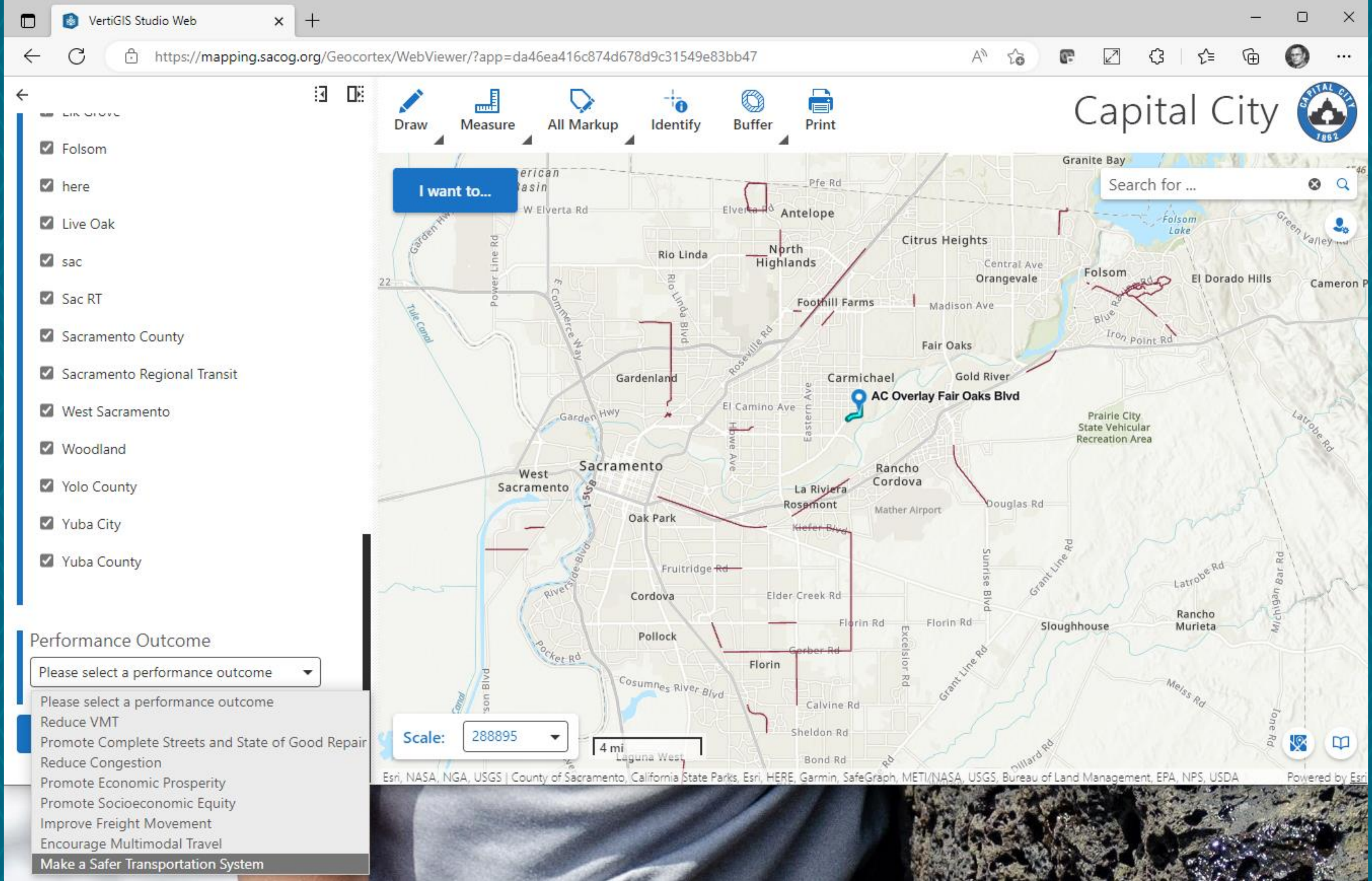
Access the 2022 PPA tool here

# Project Performance Assessment Tool

- Safety
  - total collisions
  - collision rate
  - fatality and bike/ped collision rate
- Pavement/Bridges
  - PCI (sponsor provided)
  - volumes (sponsor provided)
  - TAM data (sponsor provided)
- Metrics supportive of multiple goals
  - MTP/SCS change in jobs + dwelling units
  - change in land use diversity
  - neighborhood services accessibility
  - Environmental justice (EJ) population
  - EJ percent
  - EJ accessibility
- Performance
  - congestion severity
  - travel time reliability
  - growth in project corridor
  - street connectivity
  - bike network connection
  - transit activity
  - residential travel mode split
  - job access & job growth (jobs sub outcome)
  - school access & enrollment (training sub outcome)
  - acres of ag land near project (agriculture sub outcome)
  - STAA truck route status
  - industrial jobs share
  - industrial job growth

# Demonstration Video





VertiGIS Studio Web
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Folsom
here
Live Oak
sac
Sac RT
Sacramento County
Sacramento Regional Transit
West Sacramento
Woodland
Yolo County
Yuba City
Yuba County
Performance Outcome
Please select a performance outcome
Please select a performance outcome
Reduce VMT
Promote Complete Streets and State of Good Repair
Reduce Congestion
Promote Economic Prosperity
Promote Socioeconomic Equity
Improve Freight Movement
Encourage Multimodal Travel
Make a Safer Transportation System
Draw
Measure
All Markup
Identify
Buffer
Print
Capital City
I want to...
Search for ...
AC Overlay Fair Oaks Blvd
Sacramento
West Sacramento
Rancho Cordova
Citrus Heights
Folsom
Carmichael
Fair Oaks
Scale:
288895
4 mi
Esri, NASA, NGA, USGS | County of Sacramento, California State Parks, Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, Bureau of Land Management, EPA, NPS, USDA
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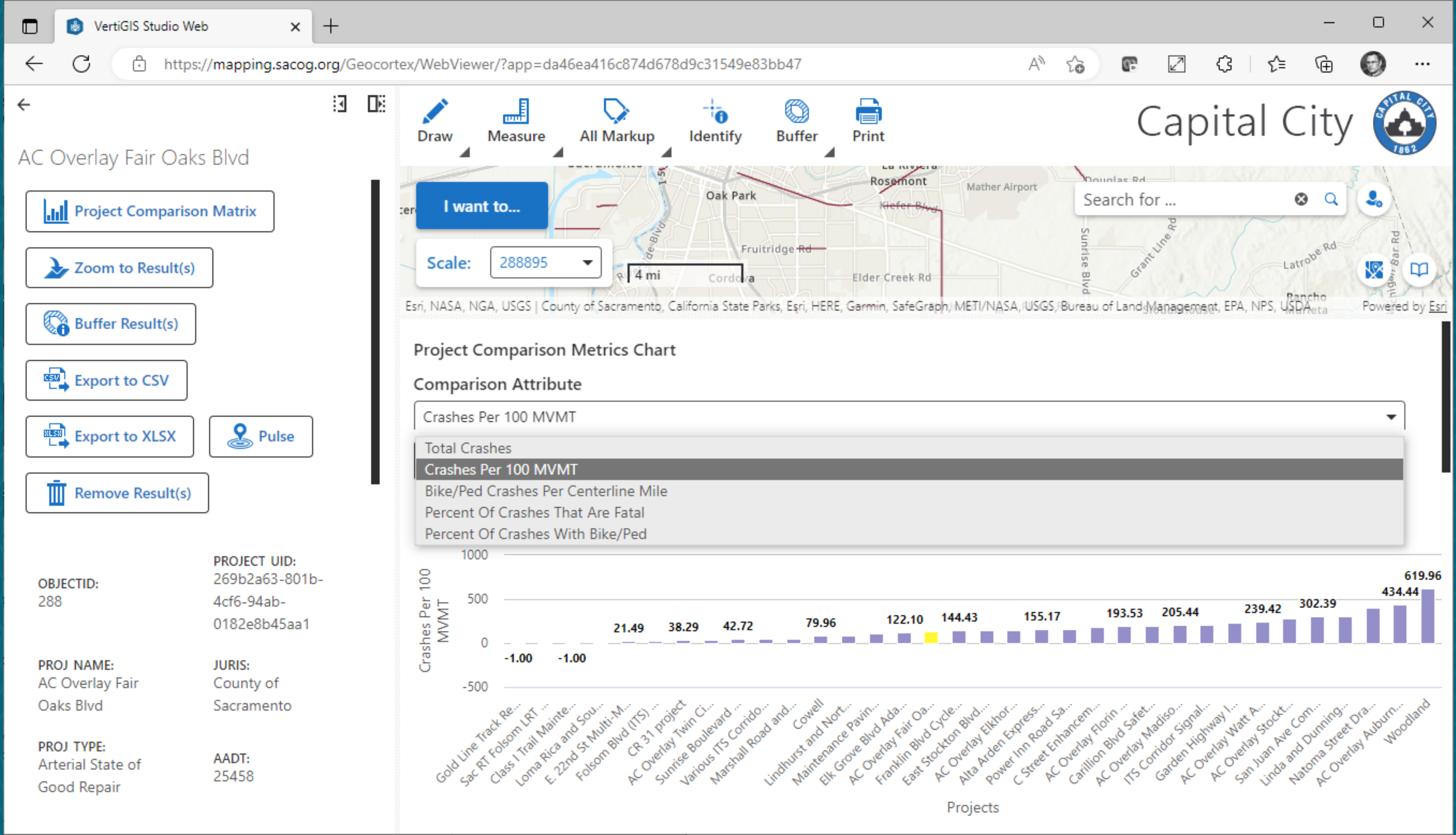
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https://mapping.sacog.org/Geocortex/WebViewer/?app=da46ea416c874d678d9c31549e83bb47
Draw
Measure
All Markup
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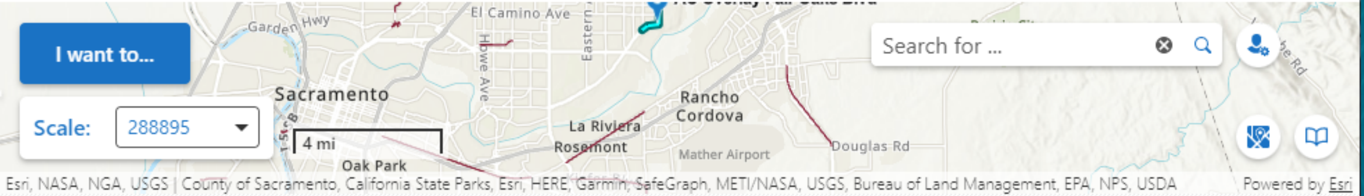
Buffer
Print
Capital City
CAPITAL CITY 1862
AC Overlay Fair Oaks Blvd
Project Comparison Matrix
Zoom to Result(s)
Buffer Result(s)
Export to CSV
Export to XLSX
Pulse
Remove Result(s)
OBJECTID:
288
PROJECT UID:
269b2a63-801b-4cf6-94ab-0182e8b45aa1
PROJ NAME:
AC Overlay Fair Oaks Blvd
JURIS:
County of Sacramento
PROJ TYPE:
Arterial State of Good Repair
AADT:
25458
I want to...
Scale:
288895
4 mi
Search for ...
Oak Park
Rosemont
Mather Airport
Fruitridge Rd
Elder Creek Rd
Kiefer Blvd
Douglas Rd
Sunrise Blvd
Grant Line Rd
Latrobe Rd
Esri, NASA, NGA, USGS | County of Sacramento, California State Parks, Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, Bureau of Land Management, EPA, NPS, USDA
Powered by Esri
Project Comparison Metrics Chart
Comparison Attribute
Crashes Per 100 MVMT
Total Crashes
Crashes Per 100 MVMT
Bike/Ped Crashes Per Centerline Mile
Percent Of Crashes That Are Fatal
Percent Of Crashes With Bike/Ped
Crashes Per 100 MVMT
1000
500
0
-500
-1.00
-1.00
21.49
38.29
42.72
79.96
122.10
144.43
155.17
193.53
205.44
239.42
302.39
434.44
619.96
Gold Line Track Re...
Sac RT Folsom LRT ...
Class I Trail Mainte...
Loma Rica and Sou...
E. 22nd St Multi-M...
Folsom Blvd (ITS) ...
CR 31 project
AC Overlay Twin Ci...
Sunrise Boulevard ...
Various ITS Corrido...
Marshall Road and...
Cowell
Lindhurst and Nort...
Maintenance Pavin...
Elk Grove Blvd Ada...
AC Overlay Fair Oa...
Franklin Blvd Cycle...
East Stockton Blvd...
AC Overlay Elkhor...
Alta Arden Express...
Power Inn Road Sa...
C Street Enhancem...
AC Overlay Florin ...
Carillion Blvd Safet...
AC Overlay Madiso...
ITS Corridor Signal...
Garden Highway I...
AC Overlay Watt A...
AC Overlay Stockt...
San Juan Ave Com...
Linda and Dunning...
Natoma Street Dra...
AC Overlay Auburn...
Woodland
Projects

VertiGIS Studio Web

https://mapping.sacog.org/Geocortex/WebViewer/?app=da46ea416c874d678d9c31549e83bb47

Draw | Measure | All Markup | Identify | Buffer | Print

Capital City




## AC Overlay Fair Oaks Blvd

Project Comparison Matrix

Zoom to Result(s)

Buffer Result(s)

Export to CSV

Export to XLSX

Pulse

Remove Result(s)

OBJECTID:
288

PROJECT UID:
269b2a63-801b-4cf6-94ab-0182e8b45aa1

PROJ NAME:
AC Overlay Fair Oaks Blvd

JURIS:
County of Sacramento

PROJ TYPE:
Arterial State of Good Repair

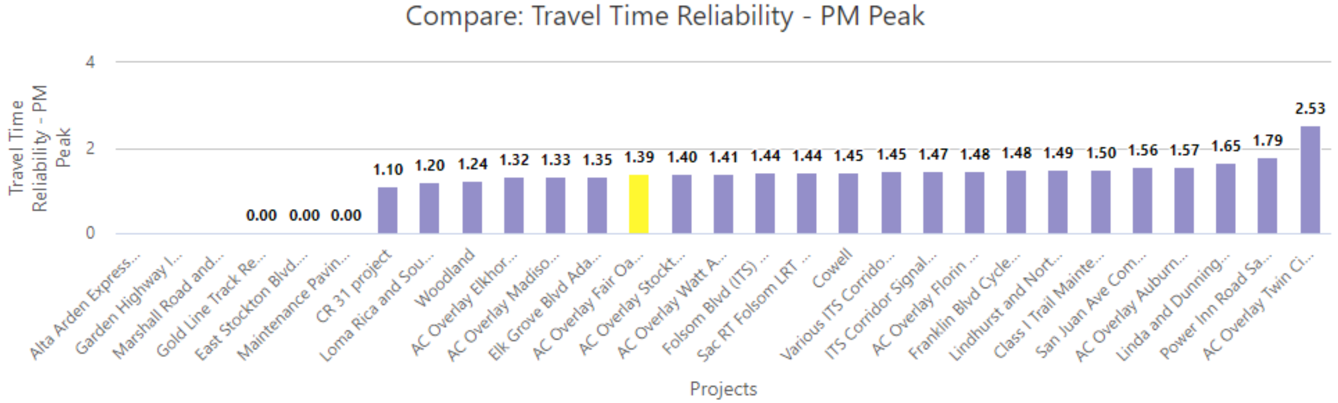
AADT:
25458

### Project Comparison Metrics Chart

Comparison Attribute

Travel Time Reliability - PM Peak

Close



Project name: PPA Demo - Arden Way

Project community type: Arterials & Suburban Corridors

**Collision Rate per 100M VMT**

Is the corridor's crash rate high relative to traffic volume?

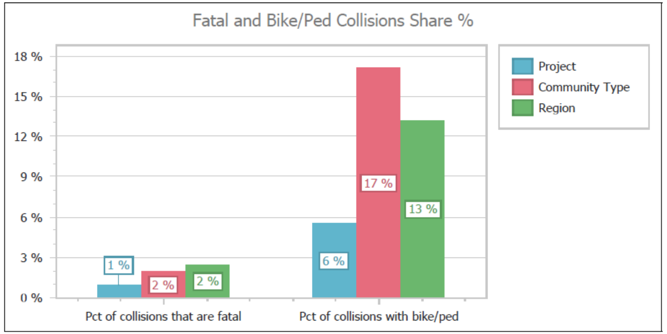
*Collisions per 100M VMT*

| On project segment* | Within community type | Within region |
|---|---|---|
| 321.0 | 140.4 | 95.4 |

*The on-project collision rate will be -1.0 if the user did not provide an average daily traffic value.

**Fatal & Bike/Ped Collision Share (%)**

Are vulnerable users disproportionately involved in severe crashes?




**Bike & Ped Collisions per CL Mile**

Does the corridor have frequent bike/ped crashes?

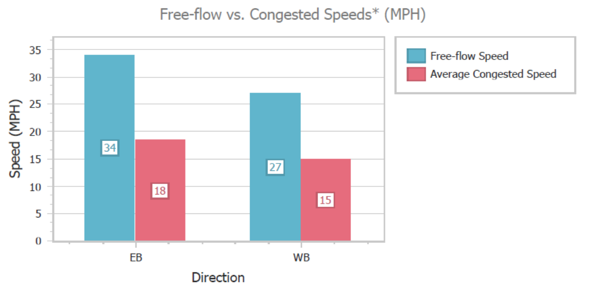
| Project | Community Type | Region |
|---|---|---|
| 11.4 | 4.7 | 1.3 |

- 108 injury/fatal collisions (2019–2023) and a collision rate of 321 per 100M VMT, which is more than double the regional average (95.4)
- Bike/pedestrian vulnerability: 17% of collisions involve pedestrians or cyclists, and 11.4 bike/ped collisions per centerline mile, compared to 4.7 for similar corridors.

## Multimodal/Transportation Choice (Reduce Congestion)

**Congestion Ratio (2023)**

Does this corridor experience severe congestion compared to free-flow conditions?




If your project is a one-way street but you see two directions of speed data, please refer to Appendix 1 (FAQs) in the PPA tool documentation.

| Congestion Ratio | EB | WB |
|---|---|---|
| Congested Speed / Freeflow Speed | 0.54 | 0.56 |

Project name: PPA Demo - Arden Way

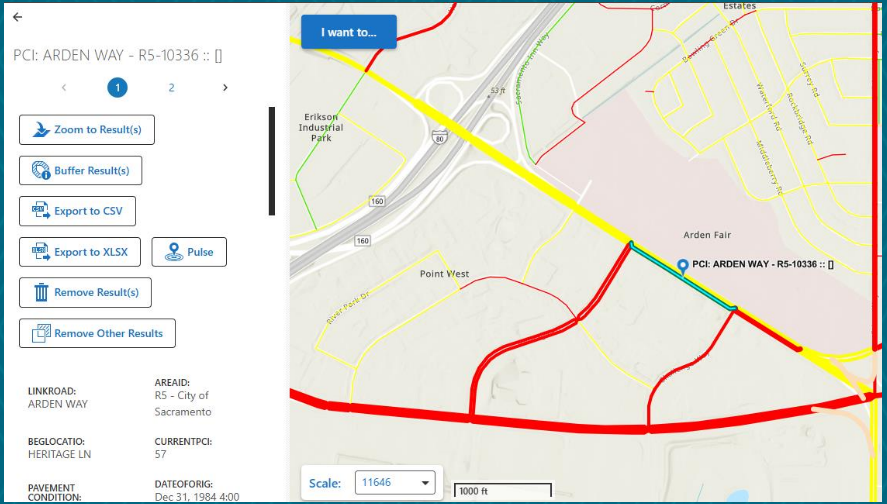
Project community type: Arterials & Suburban Corridors

**Travel Time Reliability Index (2023)**

Is travel time reliability poor enough to justify improvements?


*Travel time reliability (TTR) = 80th percentile travel time / 50th percentile travel time. Per 2017 MAP-21 performance criteria, a TTR score greater than 1.5 is considered "unreliable" for the indicated time period. A TTR of 1.00 corresponds to perfect reliability (i.e., it always takes the same amount of time to travel the project segment).

- Congestion ratio:
  0.54 eastbound and 0.56 westbound (meaning speeds drop by nearly half during peak periods)
- Travel time reliability index:
  1.28, approaching the MAP-21 threshold for “unreliable” (1.5).




## Complete Streets Index (0–100)

Does the corridor support multimodal travel and safety?

7.49

| Community Type | Average CSI |
|---|---|
| Ag | 0.08 |
| Arterials & Suburban Corridors | 4.17 |
| Developing | 0.49 |
| Established Communities | 2.44 |
| Rural & Small Town Main Street | 3.28 |
| Rural Residential | 0.12 |
| Small-Town Established Communities | 1.94 |
| Urban core | 41.42 |
| *Maximum Possible CSI* | *100* |
| CSI = Complete Street Index (0-100 score) | |

- Pavement Condition Index (PCI): 57, indicating poor pavement condition
- Complete Streets Index: 7.49 (low, but above the community type average of 4.17), suggesting potential benefit from multimodal upgrades.

## Multimodal/Transportation Choice (Encourage Multimodal Travel)

### Street Connectivity (3- & 4-way intersections/acre)

Does the project improve connectivity for walking and biking?

Intersections per acre

| Within 0.25mi of project | Within community type | Within region |
|---|---|---|
| 0.09 | 0.12 | 0.02 |

### Bike Network Coverage (% of centerline miles)

Does the project close gaps in the bike network?

Bike lanes and paths as share of total road miles

| Within 0.25mi of project | Within community type | Within region |
|---|---|---|
| 18% | 28% | 12% |

*Project Area Bikeway Map*

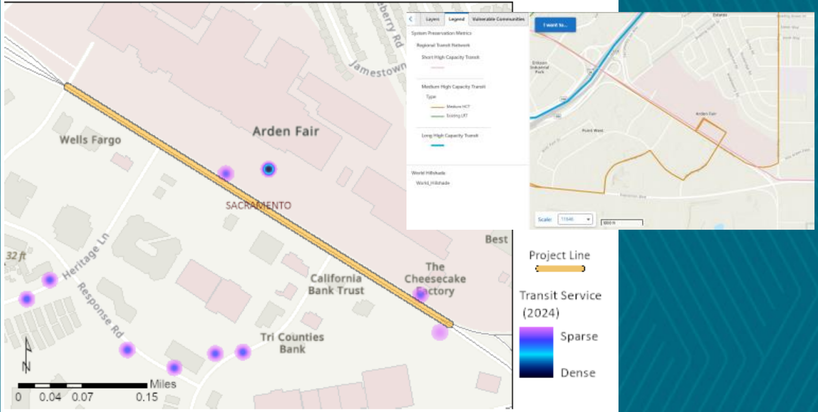

### Transit Activity (stops/acre/day)

Is transit service frequent enough to support multimodal goals?

Transit vehicle stops per acre

| Within 0.25mi of project | Within community type | Within region |
|---|---|---|
| 2.76 | 0.99 | 0.03 |

*Project Area Transit Service Map*




- Bike network coverage: 18% within 0.25 mi (below community average of 28%)
- Street connectivity: 0.09 intersections/acre (low compared to community average of 0.12)

- Transit activity: 2.76 stops/acre/day, which is decent but could be improved for high-capacity transit goals
- See Regional Transit Network high capacity transit map

## Benefits to the Transportation Network and Impacted Communities

### EJ Population (within 0.5mi)

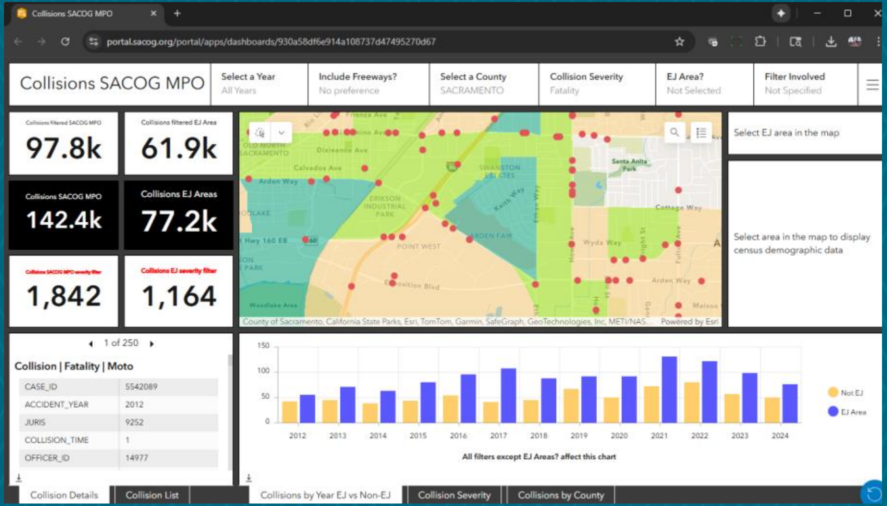
Does the project benefit a high number of EJ community members?

| |
|---|
| 2,011 |

### EJ Share of Population (%)

Is a large share of the nearby population part of an EJ community?

| Within 0.5mi of project location | Within community type | Within region |
|---|---|---|
| 44% | 47% | 25% |




- Environmental Justice (EJ) population: 2,011 residents within 0.5 mi; 44% of nearby population is EJ
- See SACOG's Regional Indicators Dashboard metrics, Vehicle Collisions Dashboard

# Last tips

- Program fit and Outcomes fit
  - Align likely project needs and benefits with the appropriate grant program
  - Compare your project's PPA measured needs against the program criteria and recommended PPA metrics for that program
- Review and address each outcome's metrics using PPA report data **and local info**
- How do grant application reviewers use the PPA reports and comparison tool?
  - Relative needs between projects, NOT ranked projects.
  - Addressing differences in local needs vs. PPA measured needs
  - Addressing differences in local data and plans vs. PPA measured needs

# Questions?

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