

CAPITAL IMPROVEMENT PROJECTS UPDATE

Public Works Department

Meeting

Transportation Board: April 2, 2025

RiversideCA.gov

BACKGROUND

1. As part of the “Bylaws of the Transportation Board of the City of Riverside”, The Public Works Department, Traffic Engineering Division will provide an update of the City’s Capital Improvement Projects (CIP) on an annual basis



2

RiversideCA.gov

DISCUSSION

1. CIP Paving and Traffic Improvements
2. Pedestrian and Bicycle Infrastructure
3. Construction of New Traffic Signals
4. Traffic Signal Timing Improvements
5. Upgrades of Intelligent Transportation Systems
6. New Projects in 2025



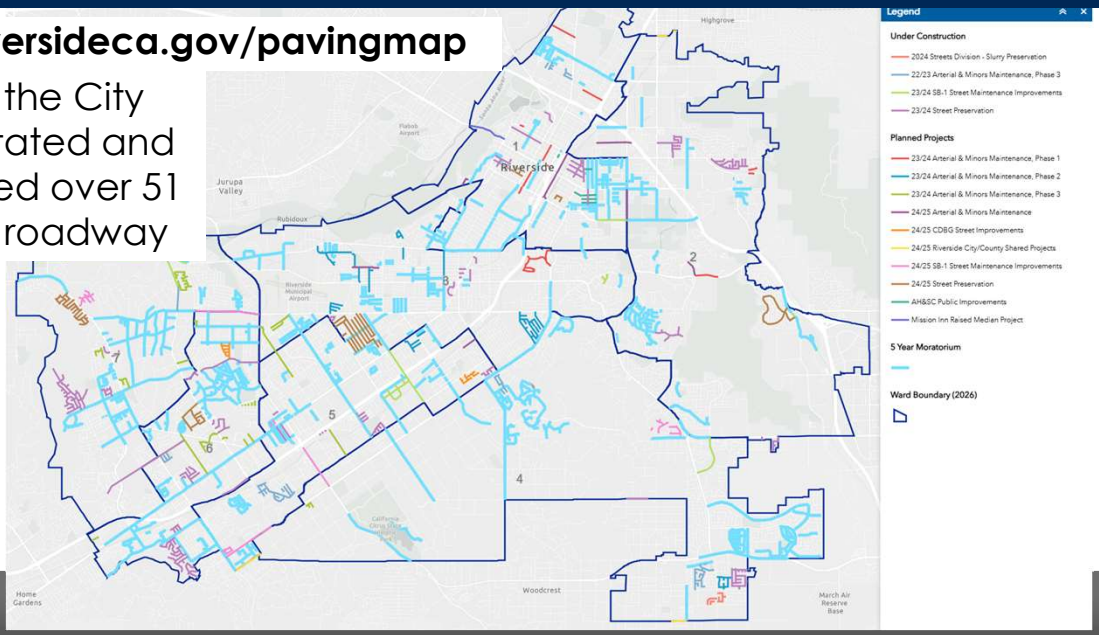
3

RiversideCA.gov

CIP PAVING AND TRAFFIC IMPROVEMENTS

www.riversideca.gov/pavingmap

In 2024, the City rehabilitated and preserved over 51 miles of roadway



CIP PAVING AND TRAFFIC IMPROVEMENTS

In 2024, the City installed:

14 Radar Speed feedback signs

9 Rectangular Rapid Flashing Beacons

15 Flashing LED Stop Sign Intersections



RiversideCA.gov

5

CIP PAVING AND TRAFFIC IMPROVEMENTS (CONT.)

3 LED Blank-Out Sign Locations

6 Flashing LED Chevron Sign Systems

1 High Friction Surface Treatment (Fourteenth Street)



RiversideCA.gov

CIP PAVING AND TRAFFIC IMPROVEMENTS (CONT.)

2 Traffic Circles (Howard Avenue)



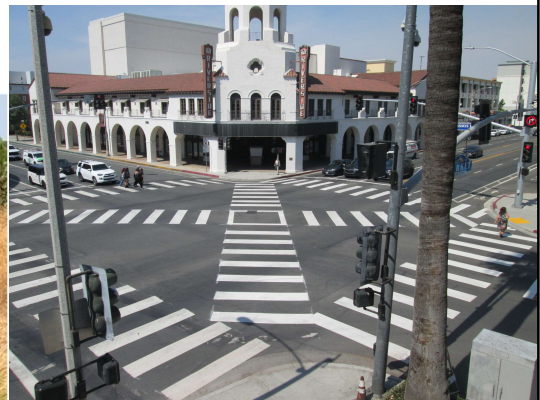
1 One-Way Conversion (Orange Street)



RiversideCA.gov

PEDESTRIAN AND BICYCLE IMPROVEMENTS

- 16 Accessible Pedestrian Signals
- 2 Pedestrian Scrambles (Market Street)
- 1 Pedestrian/Bicycle Shared Path (Palm Avenue)



8



RiversideCA.gov

CONSTRUCTION OF NEW TRAFFIC SIGNALS IN 2025

CIP Traffic Signals

1. Main Street and Placentia Avenue
2. Lincoln Avenue and Monroe Street
3. Wells Avenue and Challen Avenue
4. Collett Avenue and Polk Street

Developer Traffic Signals

5. Alessandro Boulevard and Vista Grande
6. Orange Street and Strong Street
7. Orange Street and La Cadena Street

Casa Blanca Elementary School Traffic Signals

8. Lincoln Avenue and Washington Street
9. Lincoln Avenue and Collingwood Street (HAWK)



9

RiversideCA.gov

TRAFFIC SIGNAL TIMING IMPROVEMENTS

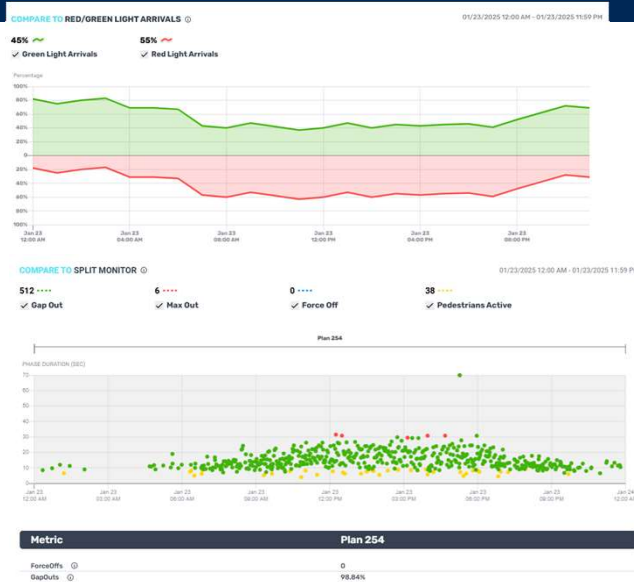
- City maintains 409 signalized intersections with an estimated half of the signals having coordinated timings.
- Replacing and updating equipment to monitor signals and major streets from the Traffic Management Center (renovated 2018, upgraded software in 2024).
- Make temporary signal timing adjustments based on current conditions, roadway incidents, special events and construction projects.



RiversideCA.gov

UPGRADES OF INTELLIGENT TRANSPORTATION SYSTEMS

- Installed 50 ethernet switches to bring communications back to signalized intersections
- Deployed Object-Based AI Video Detection Camera at Magnolia and Beatty
 - Automated Traffic Signal Performance Measures
 - Data Analytics
 - Safety Insights
 - Classification Counts



RiversideCA.gov

NEW PROJECTS IN 2025

- Battery Backup System Replacement Project
- Traffic Signal Cabinet Art Project



12



RiversideCA.gov

STRATEGIC PLAN ALIGNMENT



Infrastructure, Mobility & Connectivity

Ensure safe, reliable infrastructure that benefits the community and facilitates connection between people, place and information.

6.2.

Maintain, protect and improve assets and infrastructure within the City's built environment to ensure and enhance reliability, resiliency, sustainability, and facilitate connectivity.

Cross-Cutting Threads

This item aligns with each thread.



Community Trust



Fiscal Responsibility



Sustainability & Resiliency



Equity



Innovation



13

RiversideCA.gov

RECOMMENDATIONS

That the Transportation Board:

1. Receive and file this presentation



14

RiversideCA.gov