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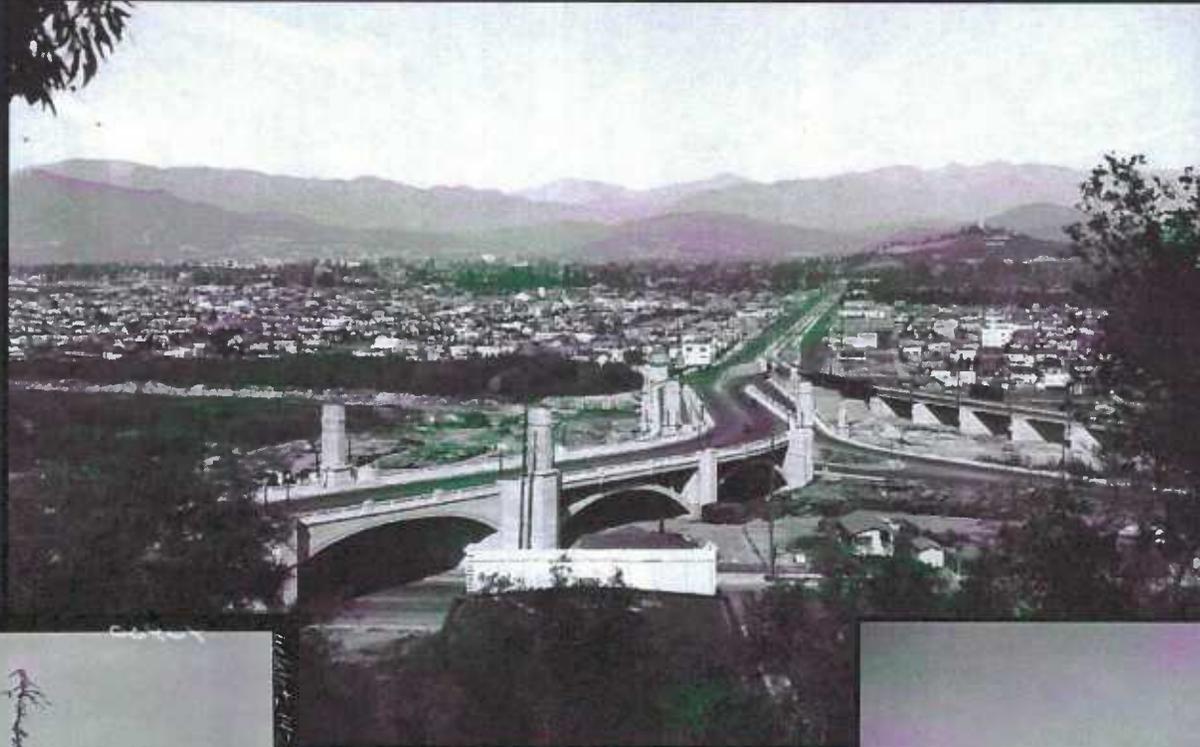
# GLENDALE BL – HYPERION AVE COMPLEX OF BRIDGES IMPROVEMENT PROJECT



**BUREAU OF ENGINEERING**  
Bridge Improvement Division  
June 3, 2015

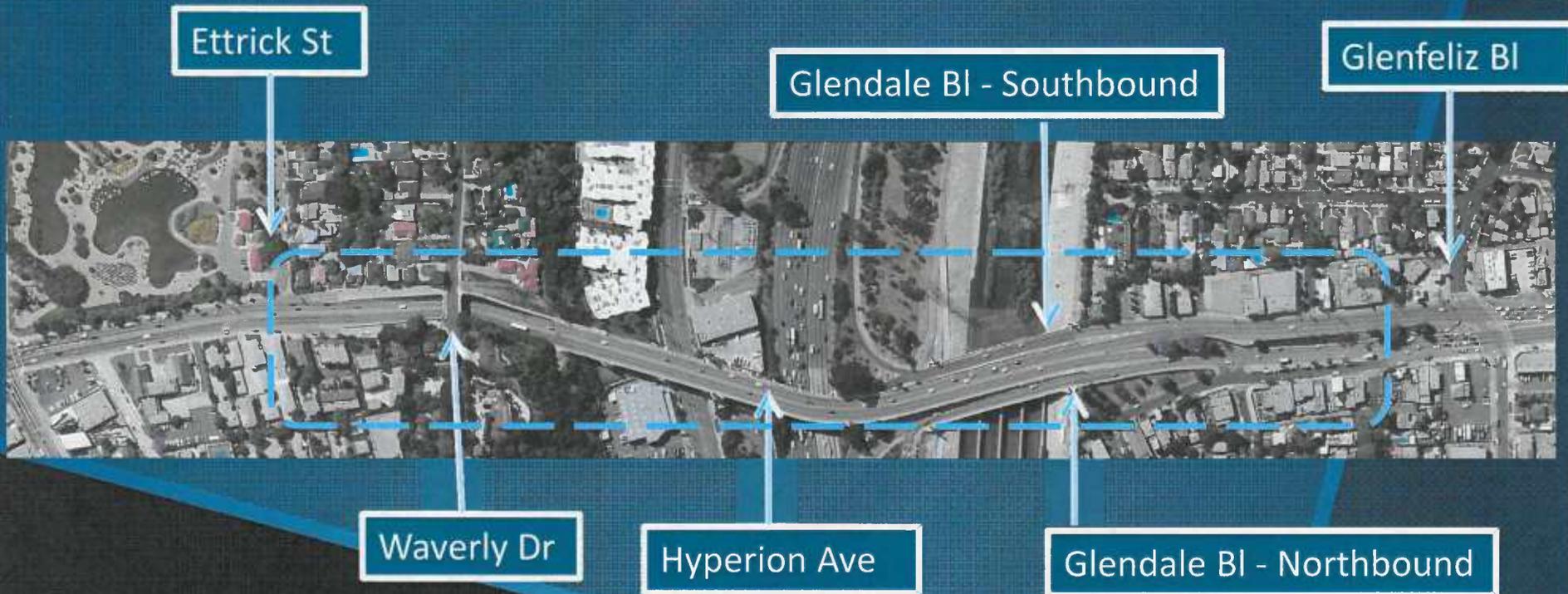


# GLENDALE BL – HYPERION AVE COMPLEX OF BRIDGES IMPROVEMENT PROJECT



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## Project Limits



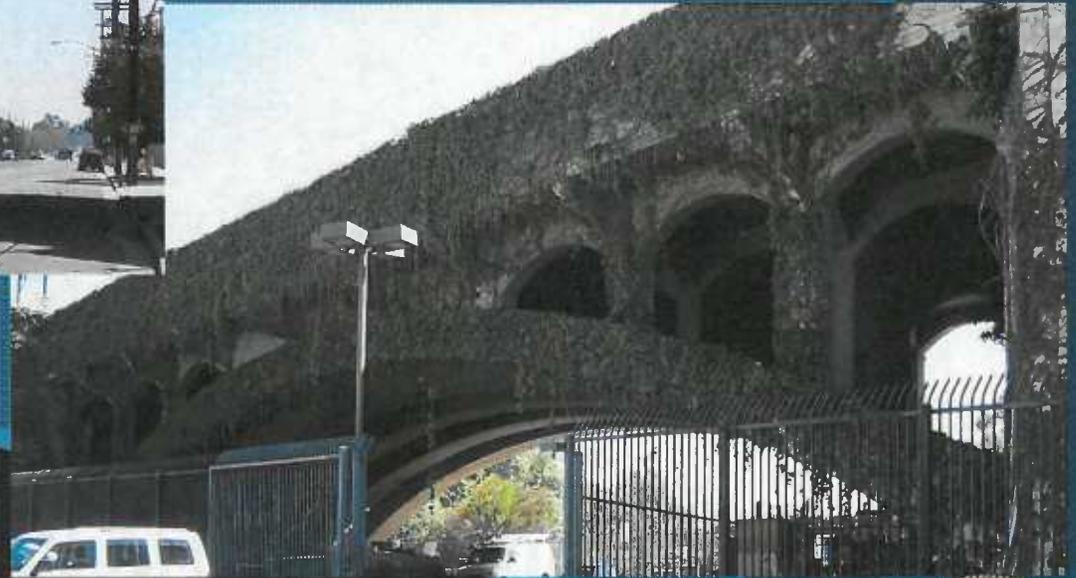
# GLENDALE BL – HYPERION AVE COMPLEX OF BRIDGES IMPROVEMENT PROJECT

## Needs and Deficiencies

- Bridges are seismically deficient – Caltrans Bridge Evaluation - Category 1 Bridges
- Glendale Boulevard Bridges over the LA River has substandard sidewalks, no bike lanes
- I-5 Off-Ramp
- LA River Bike Path Access only from Glendale Bl Southbound
- Historic restoration needed
- Hyperion Ave – No continuous, ADA-compliant sidewalks through entire project area, no bike lanes

# GLENDALE BL – HYPERION AVE COMPLEX OF BRIDGES IMPROVEMENT PROJECT

## Seismic Strengthening



# GLENDALE BL – HYPERION AVE COMPLEX OF BRIDGES IMPROVEMENT PROJECT

## Glendale Bl Widening

Widen by 8 feet



Widen by 8 feet

# GLENDALE BL – HYPERION AVE COMPLEX OF BRIDGES IMPROVEMENT PROJECT

## Proposed Realigned I-5 Northbound Off Ramp & LA River Bike Path Access



# GLENDALE BL – HYPERION AVE COMPLEX OF BRIDGES IMPROVEMENT PROJECT

## Proposed Pedestrian Bridge over LA River



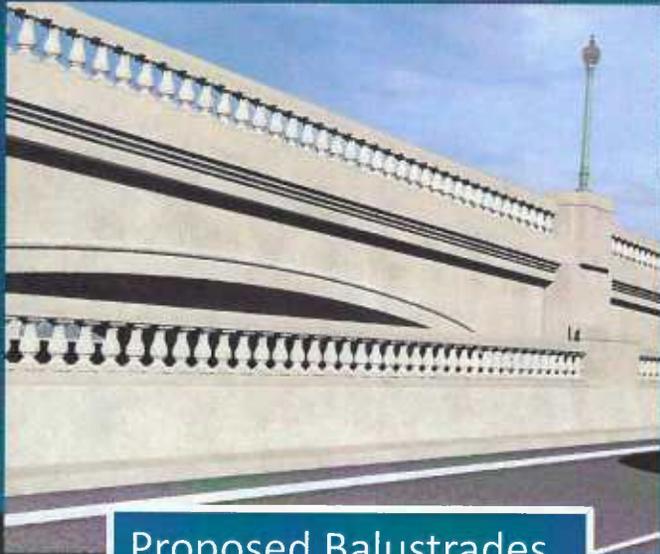
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## Proposed Infiltration Basin at Sunnynook Park



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## Historic Restoration



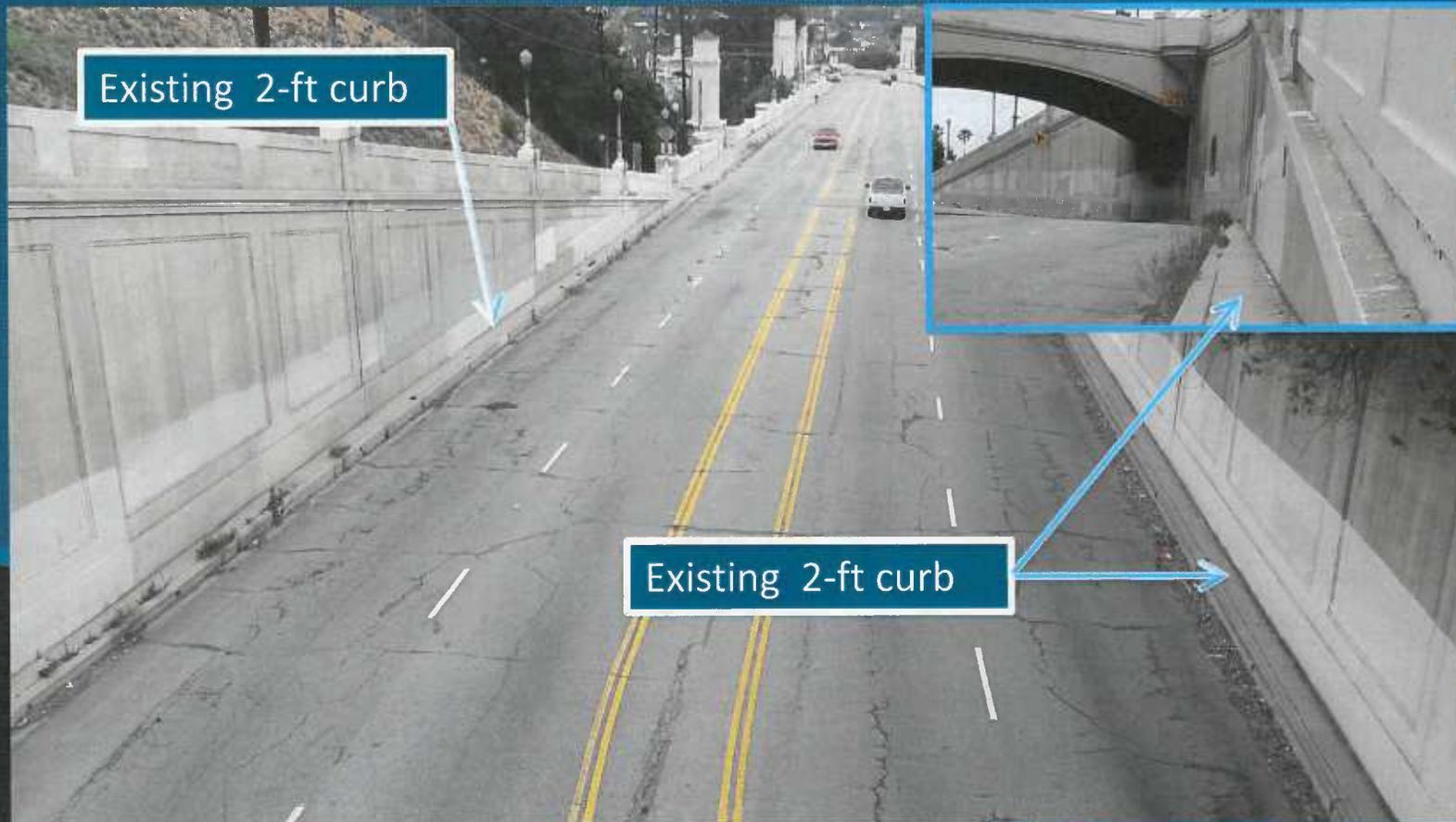
Proposed Balustrades

1929 Balustrades



# GLENDALE BL – HYPERION AVE COMPLEX OF BRIDGES IMPROVEMENT PROJECT

## Existing Conditions/Safety Concerns



# GLENDALE BL – HYPERION AVE COMPLEX OF BRIDGES IMPROVEMENT PROJECT

## Pedestrian Volumes – March 2014



### 12-hour pedestrian volumes

- 82 pedestrians on west side + 24 pedestrian on east side
- Total = 106 pedestrians in 12 hours
- Higher volume of pedestrians on the west side

# GLENDALE BL – HYPERION AVE COMPLEX OF BRIDGES IMPROVEMENT PROJECT

## Bicyclists Volumes – March 2014



### 12-hour bicyclists volumes

- 49 bicyclists on west side + 36 bicyclists on east side
- Total = 85 bicyclists in 12 hours

# GLENDALE BL – HYPERION AVE COMPLEX OF BRIDGES IMPROVEMENT PROJECT

## Comparison of 12-Hour Volumes on Hyperion Ave

Mode	West side Hyperion Ave - Volumes	East side Hyperion Ave - Volumes	Total Volumes
Pedestrian	82	24	106
Bicyclists	49	36	85
Vehicles	9,973	9,025	18,998

# GLENDALE BL – HYPERION AVE COMPLEX OF BRIDGES IMPROVEMENT PROJECT

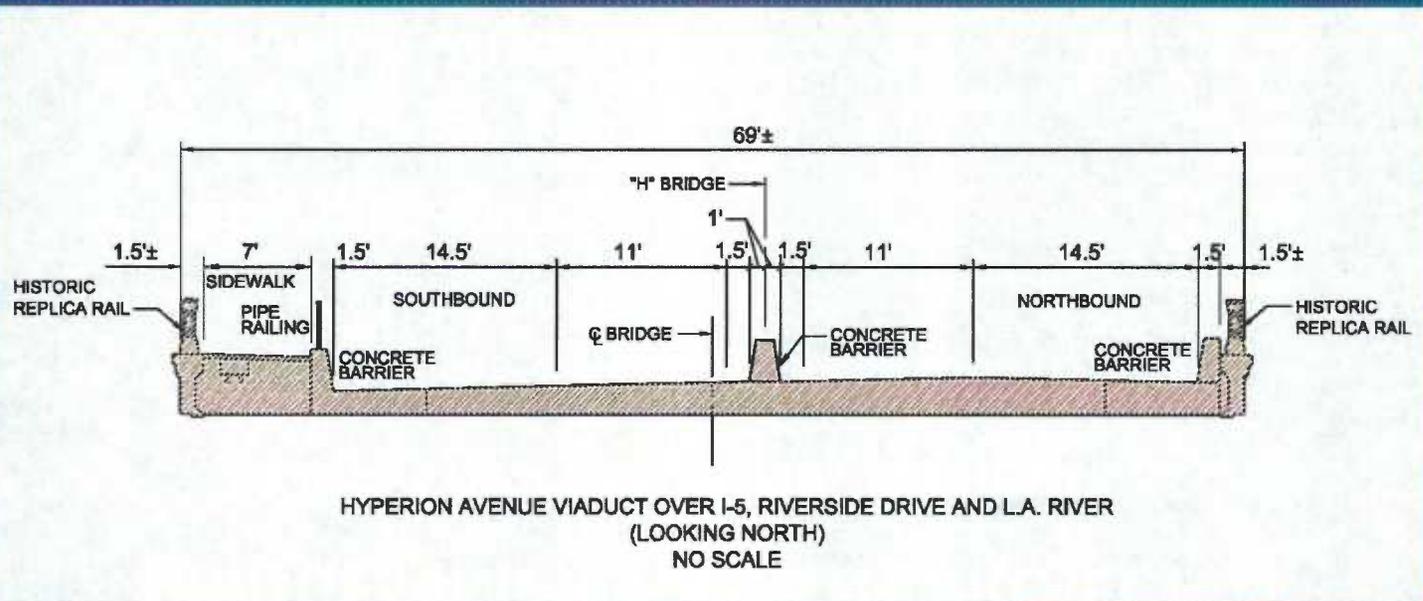
## CEQA Environmental Review

- Initial Study/Mitigated Negative Declaration (IS/MND) prepared in 2013. Findings:
  - Biological Resources
  - Historic Resources
  - Archaeological Resources
  - Traffic
- IS/MND circulated for public review and comment in fall 2013 (extended).
- A community workshop and a public hearing were held in September and October 2013.

# GLENDALE BL – HYPERION AVE COMPLEX OF BRIDGES IMPROVEMENT PROJECT

## Published IS/MND Cross Section for Hyperion Ave

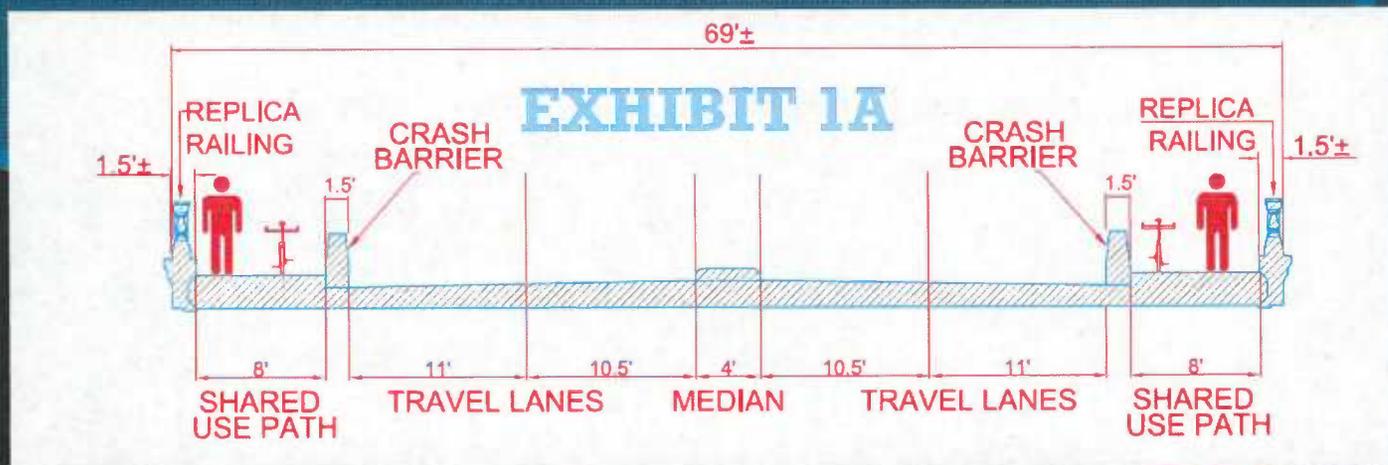
- Four vehicular traffic lanes with shoulders, sidewalk on west side, continuous concrete median barrier (Public Hearing held October 28, 2013)



# GLENDALE BL – HYPERION AVE COMPLEX OF BRIDGES IMPROVEMENT PROJECT

## Citizens Advisory Committee (CAC)

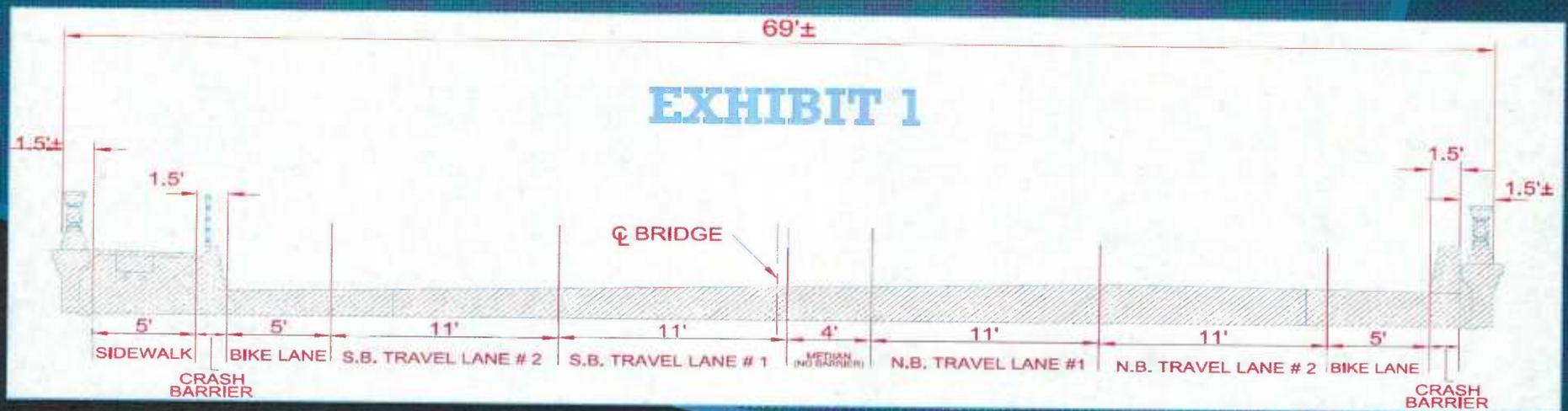
- A Citizens Advisory Committee was formed and five meetings were held between December 2013 and December 2014.
- During this time, four design options for the Hyperion Ave segment were considered:
  - Four vehicular traffic lanes, shared-use paths on both sides for pedestrians and bicyclists (Exhibit 1A, Transmittal 3)



# GLENDALE BL – HYPERION AVE COMPLEX OF BRIDGES IMPROVEMENT PROJECT

## Citizens Advisory Committee (CAC)

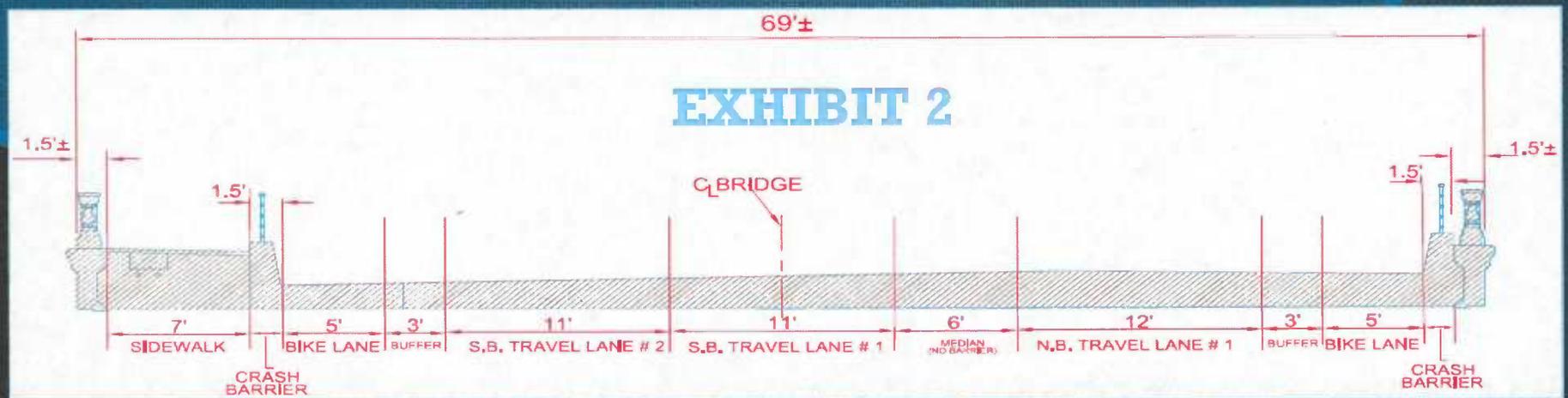
- Four vehicular traffic lanes, sidewalks on west side only, bike lanes both sides (Exhibit 1, Transmittal 3)



# GLENDALE BL – HYPERION AVE COMPLEX OF BRIDGES IMPROVEMENT PROJECT

## Citizens Advisory Committee (CAC)

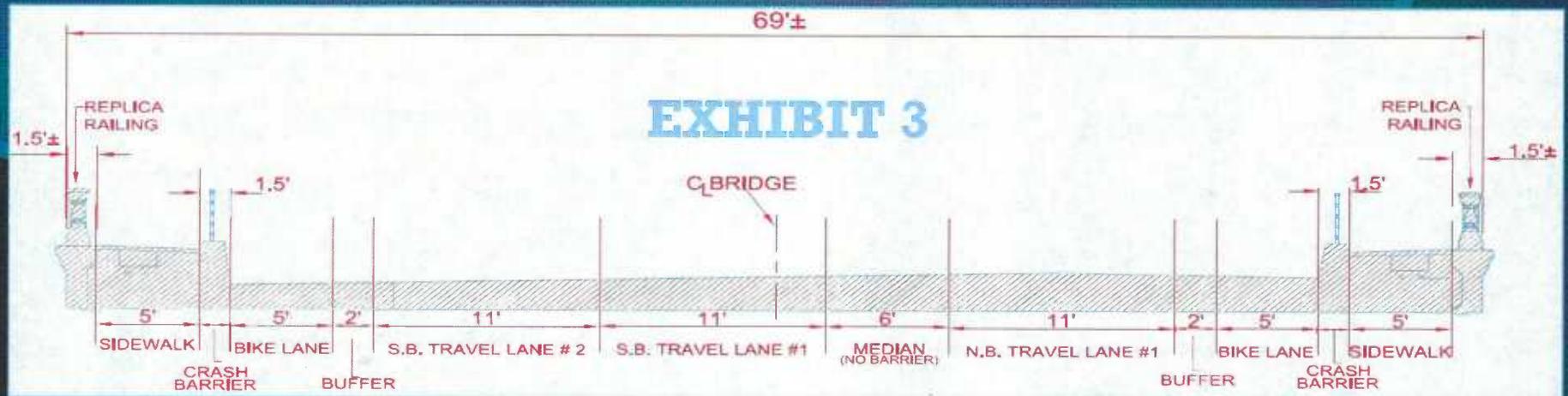
- Three vehicular traffic lanes (one lane northbound, two lanes southbound), sidewalk on west side only, bike lanes both sides, bike lane buffer both sides (Exhibit 2, Transmittal 3)



# GLENDALE BL – HYPERION AVE COMPLEX OF BRIDGES IMPROVEMENT PROJECT

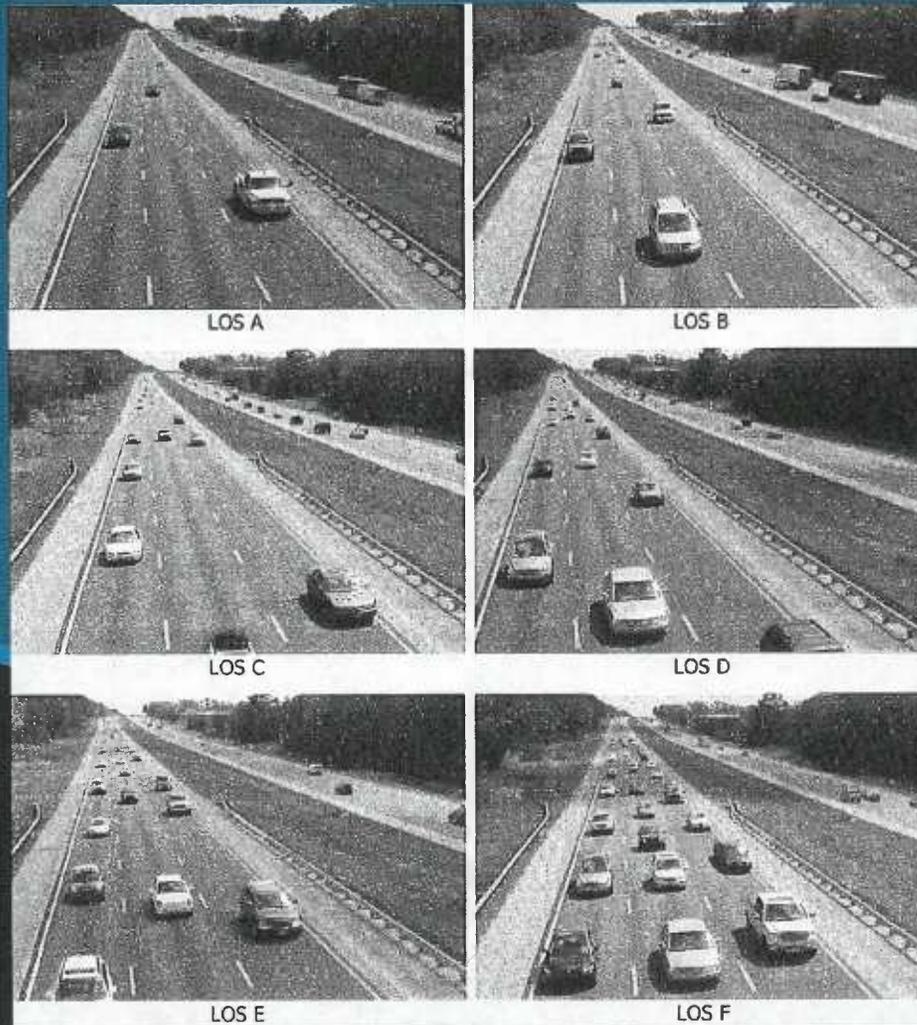
## Citizens Advisory Committee (CAC)

- Three vehicular traffic lanes (one lane northbound, two lanes southbound), sidewalks on both sides, bike lanes both sides, bike lane buffer both sides (Exhibit 3, Transmittal 3)



# GLENDALE BL – HYPERION AVE COMPLEX OF BRIDGES IMPROVEMENT PROJECT

## Traffic Studies – Level of Service (LOS) Illustration



# GLENDALE BL – HYPERION AVE COMPLEX OF BRIDGES IMPROVEMENT PROJECT

## Traffic Studies – Level of Service (LOS) on Hyperion Ave

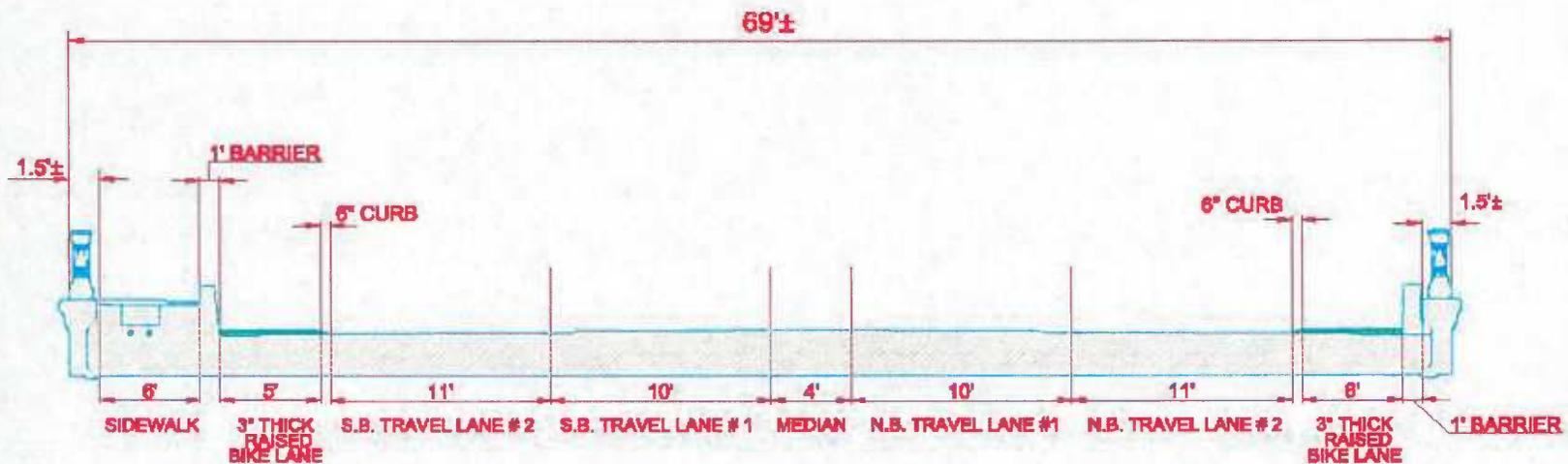
	2014 Volumes, 4 Lanes (Existing)	2014 Volumes, 3 Lanes	2040 Volumes, 4 Lanes	2040 Volumes, 3 Lanes
Northbound AM	A	C	B	D
Northbound PM	B	D	C	E

- In 2014 evening peak hour, the bridge LOS is currently B.
- It would go to D immediately if the road was reduced to one northbound lane.
- In 2040, it would go to LOS E.
- From a CEQA perspective, this would be a significant impact.

# GLENDALE BL – HYPERION AVE COMPLEX OF BRIDGES IMPROVEMENT PROJECT

Recommended Option– 4 Vehicular Lanes, 2 Bike Lanes, ADA-Compliant Sidewalk

## HYPERION AVENUE BRIDGE OVER I-5, RIVERSIDE DRIVE AND LA RIVER (LOOKING NORTH)



# GLENDALE BL – HYPERION AVE COMPLEX OF BRIDGES IMPROVEMENT PROJECT

## Recommended Option for Hyperion Ave

- The Recommended Option offers flexibility of converting to other roadway options if the transportation conditions warrant it in the future.
- The daily low count of pedestrians on Hyperion Ave would not warrant sidewalks on both sides by reducing one traffic lane at this time.
- An ADA-compliant sidewalk will be implemented on the west side of Hyperion Ave.
- Designated bike lanes will be implemented on Hyperion Ave.

# GLENDALE BL – HYPERION AVE COMPLEX OF BRIDGES IMPROVEMENT PROJECT

## CEQA Environmental Review

- The Recommended Option, which most closely resembles Exhibit 1, is to maintain the original 4-lane configuration of the circulated IS/MND, as modified to include: (1) addition of bicycle lanes to Hyperion Ave, and (2) elimination of a continuous, concrete median barrier.
- These project revisions do not create new significant impacts and do not change effectiveness of mitigation measures, thus no recirculation of the 2013 IS/MND is required for approval of the Recommended Option.

# GLENDALE BL – HYPERION AVE COMPLEX OF BRIDGES IMPROVEMENT PROJECT

## CEQA Environmental Review

- The 2013 IS/MND did not include an alternative with three vehicle lanes. Approval of such an alternative would require additional CEQA review (at minimum revision and recirculation of an IS/MND and if any potentially significant impact could not be mitigated to less than significant, an Environmental Impact Report would be required).
- Additionally, since the close of the public review period, over 400 comments, petitions, and survey results have also been received and considered by City staff. No new environmental impacts that have not already been addressed were included.

# GLENDALE BL – HYPERION AVE COMPLEX OF BRIDGES IMPROVEMENT PROJECT

## Anticipated Schedule/Funds Lapsing

Project Phase/Milestones	Anticipated by
End Environmental Phase (CEQA Adoption by City Council)	June 30, 2015
Start Final Design	July 1, 2015
End Final Design	June 30, 2017

- Final design funds allocated by Caltrans are set to lapse by June 30, 2017.
- With the above anticipated schedule, which includes the CEQA approval by June 30, 2015, this project is on track to use allocated federal funds before it lapses.
- Further delays may result in loss of funds.

# GLENDALE BL – HYPERION AVE COMPLEX OF BRIDGES IMPROVEMENT PROJECT

## Focus on the Overall Project

- This \$50 million project is predominantly funded by the Federal Highway Bridge Program, State Proposition 1B, and Metro Call for Projects.
- Many years of collaboration with Caltrans/FHWA, along with support of elected officials and community groups, to receive funding on the following components that are typically not part of a bridge improvement project:
  - I-5 Realignment
  - Bike access from northbound Glendale Bl to LA River Bike Path
  - Pedestrian bridge across the LA River
  - Infiltration Basin
- Further delays in completing the design of the project will jeopardize the overall project.

# GLENDALE BL – HYPERION AVE COMPLEX OF BRIDGES IMPROVEMENT PROJECT

End of Presentation

