

California Department of Transportation (CALTRANS) Highway Safety Improvement (HSIP) Program Cycle XI

Public Works Department

City Council August 20, 2024

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BACKGROUND

- California Department of Transportation (CALTRANS) Highway Safety Improvement Program (HSIP) Cycle XI Grant
- Maximum grant award \$10 Million
- City submitted application in September 2022
- City awarded received award notification March 2023 (\$7.8 Million in Grant Funds – Single Highest Project Award in CA)
Total Project cost of \$9.01 Million (includes local match)

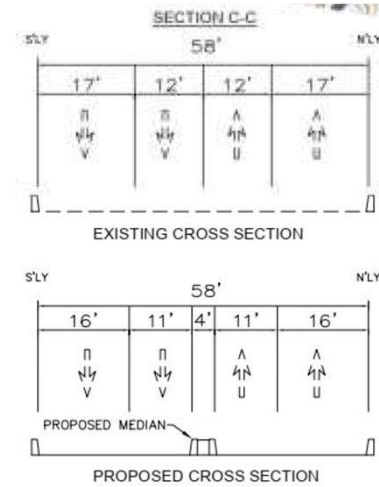


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BACKGROUND (CONTINUED)



- Included in Local Roadway Safety Plan (L.R.S.P.) & Riverside P.A.C.T.
- Proven Safety Countermeasures



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HSIP CYCLE XI PROJECT BENEFITS



Safety Benefits:

HFST can reduce crashes up to:

63%

for injury crashes at ramps.²

48%

for injury crashes at horizontal curves.²

20%

for total crashes at intersections.³

- Intent to reduce traffic collisions
- Advances Complete Streets
- Improves traffic signalized intersections visibility



Safety Benefits:

15%

reduction in total crashes.¹



Safety Benefits:

13%

reduction in pedestrian-vehicle crashes at intersections.²



Safety Benefits:

8%

of all fatalities on divided highways are due to head-on crashes.¹

**Median Barriers
Installed on Rural
Four-Lane Freeways**

97%

reduction in cross-median crashes.²

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HSIP CYCLE XI SCHEDULE & BUDGET

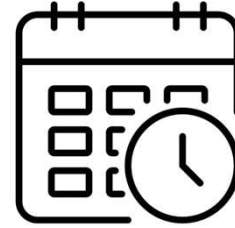
Timeline Preliminary Design:

- September 2024 to June 2026

Timeline Construction:

- June 2026 to March 2027

Budget: Total Project Funds Available (\$884,712.31)
plus 10% contingency (\$973,183.54)



Evaluation Ranking	Proposer's Name	Evaluation Score	Proposal Amount
1	<u>Advantec Consulting Engineers, Inc.</u>	918.10	\$884,712.31
2	Kimley-Horn and Associates, Inc.	902.40	\$1,214,213.18
3	Iteris, Inc.	900.80	\$1,213,216.00
4	AGA Engineers, Inc.	842.40	\$1,315,948.72
5	Arcadis	817.00	\$1,424,543.35



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STRATEGIC PLAN ALIGNMENT

- Strategic Priority No. 2 – Community Well Being Goals 2.4 and 2.5;
- Strategic Priority No. 6 – Infrastructure, Mobility & Connectivity Goals 6.2, 6.3, and 6.4;
- This item aligns with each cross-cutting thread: Community Trust, Equity, Fiscal Responsibility, Innovation, and Sustainability & Resiliency



Community Trust



Fiscal Responsibility



Sustainability & Resiliency



Equity



Innovation



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RECOMMENDATIONS

That the City Council:

1. Approve a Professional Consultant Services Agreement in accordance with RFP No. 2344 with Advantec Consulting Engineer's, Inc., of Irvine, CA to complete the citywide leading pedestrian interval signal timing implementation and engineering design plan preparation services for the citywide retroreflective signal backplates, and a median & high friction surface treatment on Mission Inn Avenue between Redwood Drive and Scout Lane for a term of two years through June 30, 2026, with an option to extend for



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RECOMMENDATIONS (CONTINUED)

1. an additional two-year period, in the amount of \$884,712.31 plus a 10% contingency in the amount of \$88,471.23, for a not to exceed amount of \$973,183.54; and
2. Authorize the City Manager, or designee, to execute the Professional Consultant Services Agreement, including making minor and non-substantive changes and to extend the term, for up to two additional years, subject to the availability of budgeted funds.



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