



REPORT TO CITY COUNCIL

Approved by:

Keith Helmuth

Keith Helmuth, City Engineer

Arnoldo Rodriguez

Arnoldo Rodriguez, City Manager

Council Meeting of: October 7, 2020

Agenda Number: D-4

SUBJECT:

Identification of projects for Federal Transportation Funding under the Cycle 10 Call for Projects for the Highway Safety Improvement Program (HSIP)

RECOMMENDATION:

Adopt a resolution adopting the City's project list for the Cycle 10 HSIP Call for Projects which include improvements at four intersections

SUMMARY:

Staff is requesting authorization to submit grant applications for the current Caltrans Cycle 10 HSIP Call for Projects. Projects were selected based on a review of the City's roadway network and accident data. Recommended projects include pedestrian crossing improvements at:

- Granada Drive and Industrial Avenue
- L Street and Yosemite Avenue
- M Street and Yosemite Avenue
- N Streets and Yosemite Avenue

DISCUSSION:

On May 4, 2020, Caltrans released a call for projects to be funded by HSIP in its upcoming Cycle 10. A total of \$220 million in Federal funds are available with this Cycle. To be eligible, a minimum project cost of \$100,000 is required. Applications are due on October 19, 2020. The purpose of the HSIP program is to achieve a significant reduction in traffic fatalities and serious injuries on all public roads. HSIP funds are eligible for work on any public road or publicly owned bicycle or pedestrian pathway or trail that improves safety for its users.

There are two application categories in this Cycle 10: Benefit Cost Ratio (BCR) and Funding Set-asides (SA). There are four set-asides:

- Guardrail Upgrades
- Pedestrian Crossing Enhancements
- Installing Edgelines and
- Set-aside for Tribes.

For Funding Set-aside applications, BCR calculation is not required.

It is the intent of the HSIP program that federal funds be expended on safety projects that can be designed and constructed expeditiously using the most cost-effective methods feasible. Projects that require significant amounts of right-of-way or extensive environmental review are not funded with this program as they cannot be delivered in a timely manner.

To establish a project list, the Engineering Department reviewed the City's roadway network and accident logs to identify areas with high rates of accidents or fatalities and evaluated appropriate Local Roadway Safety Manual (LRSM) countermeasures to determine improvements to reduce the likelihood of further collisions. Project selection for HSIP grants is a technical process which determines project eligibility based on the following variables: accident type, severity of accidents, project costs, countermeasure(s) applied, crash reduction factors and the expected "life" of the countermeasures selected. A benefit cost ratio (BCR) calculation based on these variables is performed using a formula provided in the grant application package to determine final eligibility for HSIP funding. A BCR score of 3.5 or greater is required to apply for funding.

The Engineering Department has reviewed several potential projects and propose to submit 2 new applications for the Cycle 10 Call for Projects. These projects include pedestrian crossings near the Granada Drive and Industrial Avenue intersection and along Yosemite between L Street and N Street.

Granada is classified as a Collector and currently there are no crosswalks or controlled intersections where pedestrians can cross to get to the Town and Country park. It is proposed with this project to install a crosswalk north of Industrial. A median island would be constructed midway to provide a refuge for pedestrians. Pedestrian activated Rectangular Rapid Flashing Beacons (RRFB's) would be installed north and south of the crossing to alert drivers of pedestrians in the crossing.

Yosemite Avenue is a four-lane arterial that separates students from Madera High School and Thomas Jefferson Middle School. This project is proposed to construct bulb-outs at the intersections of L, M, and N Streets to reduce the travel distance across Yosemite for pedestrians. Pedestrian activated RRFB's are also planned for these crossings.

Project applications are due October 19, 2020. It is expected the City would know the results within 3 to 4 months and successful projects can be programmed into the Federal Transportation Improvement Program (FTIP).

FINANCIAL IMPACT:

There is no fiscal impact to the City's General Fund. The City is obligated to provide a local funding match for each project that is successful. This funding will be provided from available transportation funding sources the City receives.

CONSISTENCY WITH THE VISION MADERA 2025 PLAN:

Strategy 121 – Develop a city-wide multi-modal transportation plan to ensure safe, affordable and convenient transportation modes for residents and businesses within Madera

ALTERNATIVES:

The Council may elect to adjust the priority listing, remove any of the projects from the list to be submitted for funding, or choose not to approve submitting any applications.

ATTACHMENTS:

1. Resolution
Exhibit A – Project List

ATTACHMENT 1
Resolution

RESOLUTION NO. 20-_____

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MADERA,
APPROVING THE LIST OF PROJECTS FOR FEDERAL TRANSPORTATION
FUNDING UNDER THE CYCLE 10 CALL FOR PROJECTS FOR THE HIGHWAY
SAFETY IMPROVEMENT PROGRAM (HSIP) AND AUTHORIZING THE CITY
ENGINEER TO SUBMIT PROJECT APPLICATIONS ON BEHALF OF THE CITY**

WHEREAS, The California Department of Transportation (Caltrans) has announced a Call for Projects for the Cycle 10 HSIP; and

WHEREAS, local matching funds will be provided by the City of Madera as required to receive HSIP funds; and

WHEREAS, Caltrans requested application packages for the proposed projects, outlining the intended uses for the HSIP funds for submittal by October 19, 2020; and

WHEREAS, a list of projects to be nominated for the Cycle 10 of the HSIP funds has been prepared and is attached hereto as Exhibit "A"; and

WHEREAS, Caltrans will review and prioritize the project applications for funding.

NOW, THEREFORE, THE COUNCIL OF THE CITY OF MADERA hereby resolves, finds, determines and orders as follows:

1. The above recitals are true and correct.
2. The project list for nomination for the Cycle 10 HSIP Call for Projects attached hereto and incorporated by reference as Exhibit "A" is approved.
3. The City Engineer is authorized to submit the project applications to Caltrans for review, prioritizing and funding approval.
4. This resolution is effective immediately.

EXHIBIT A
HSIP Project List

1. Granada Drive/Industrial Avenue Pedestrian Crossing
2. Yosemite – L Street to N Street Pedestrian Crossings