

Meeting Date: 7/16/2013

Report Type: Consent

Report ID: 2013-00543

Title: Capital Improvement Project: Mack Road & Valley Hi Drive/La Mancha Way Traffic Signal Upgrade Project (T15136400)

Location: District 8

Issue: The City was awarded federal funds from the Federal Highway Safety Improvement Program (HSIP) to upgrade the existing traffic signal at the intersection of Mack Road and Valley Hi Drive/La Mancha Way. The proposed project will upgrade the traffic signal equipment to current standards and install a dedicated right-turn lane for the westbound to northbound movement. Establishing the Capital Improvement Project (CIP) and appropriating and transferring funds are necessary to proceed with the preliminary engineering phase of the project.

Recommendation: Pass a Resolution 1) establishing a new Capital Improvement Project (CIP) for the Mack Road & Valley Hi Drive/La Mancha Way Traffic Signal Upgrade Project (T15136400); 2) appropriating \$69,400 (Fund 3703) in federal Highway Safety Improvement Program (HSIP) funds to the Mack Road & Valley Hi Drive/La Mancha Way Traffic Signal Upgrade Project (T15136400); and 3) transferring \$104,000 (Fund 2025) from the Traffic Signal Safety Program (S15114100) to the Mack Road & Valley Hi Drive/La Mancha Way Traffic Signal Upgrade Project (T15136400).

Contact: Cecilyn Foote, Associate Civil Engineer, (916) 808-6843; Nicholas Theocharides, Engineering Services Manager (916) 808-5065, Department of Public Works

Presenter: None

Department: Public Works Department

Division: Funding & Project Development

Dept ID: 15001121

Attachments:

1-Description/Analysis

2-Background

3-Resolution

4-Exhibit A (Location Map)

City Attorney Review

Approved as to Form
Gerald Hicks
7/8/2013 2:43:08 PM

City Treasurer Review

Reviewed for Impact on Cash and Debt
Russell Fehr
6/27/2013 5:28:36 PM

Approvals/Acknowledgements

Department Director or Designee: Jerry Way - 7/2/2013 12:07:14 PM

Description/Analysis

Policy Considerations: The action requested supports the City's General Plan goals and policies of improving the transportation system to ensure safe operating conditions and effectively operating and maintaining transportation facilities and infrastructure to preserve the quality of the system.

Economic Impacts: None.

Environmental Considerations:

California Environmental Quality Act (CEQA): The establishment of a CIP and appropriation and transfer of funds are not subject to the provisions of CEQA. Under CEQA general rule 15061-B-3, CEQA applies only to projects which have the potential for causing a significant effect on the environment. These actions will have no effect on the environment, thus are not subject to CEQA.

Sustainability Considerations: This project is consistent with the Sustainability Master Plan goal to improve air quality by optimizing traffic signals throughout the City and reducing vehicle idle times.

Other: None.

Commission/Committee Action: None.

Rationale for Recommendation: The City was awarded federal HSIP funds for the Mack Road and Valley Hi Drive/La Mancha Way Traffic Signal Upgrade Project (T15136400), which will improve safety at the intersection. The establishment of a CIP and appropriation and transfer of funds are necessary to proceed with the preliminary engineering phase of the project.

Financial Considerations: The estimated total cost for the Mack Road and Valley Hi Drive/La Mancha Way Traffic Signal Upgrade Project (T15136400) preliminary engineering phase is \$173,400. The preliminary engineering phase of the project will be funded with \$69,400 (Fund 3703) in federal HSIP funds and \$104,000 (Fund 2025) from the Traffic Signal Safety Program (S15114100), which will cover the local match and non-participating expenses for the preliminary engineering phase. Staff will return to City Council to appropriate and transfer additional federal and local

funds for right-of-way and construction phases prior to beginning each phase of the work.

As of June 13, 2013, the unobligated balance in the Traffic Signal Safety Program (S15114100) is \$220,725, which is sufficient to complete the transfer of \$104,000 (Fund 2025) to the Mack Road and Valley Hi Drive/La Mancha Way Traffic Signal Upgrade Project (T15136400).

There are no General Funds planned or allocated for this project.

Emerging Small Business Development (ESBD): None, since no goods or services are being procured with this action.

Background

As part of proactive safety management, the City of Sacramento performs routine network screening for the entire roadway network to identify and rank locations that have experienced a higher-than-expected frequency and rate of collisions and to select locations most in need of safety improvements. The intersection of Mack Road and Valley Hi Drive/La Mancha Way ranked at the top of the safety priority list. The combination of high traffic volume, high speeds, the existing intersection geometry and traffic signal configuration, and the proximity of the State Highway 99 off-ramp contributed to high collision incidence and high crash rates.

In July 2012, City staff submitted an application to the Highway Safety Improvement Program (HSIP) for a traffic signal upgrade project at the intersection of Mack Road and Valley Hi Drive/La Mancha Way. The purpose of the program is to achieve a significant reduction in traffic fatalities and serious injuries on all public roads. The application was successful and the City was awarded \$493,800 in HSIP funds for the design and construction of the project.

The proposed project includes the conversion of the existing traffic signals from pedestal mounted to mast arm mounted, an upgrade of the traffic signal equipment to current standards, and the installation of a dedicated right-turn lane for westbound to northbound movement. These safety improvements are expected to address many of the factors that have contributed to the high collision incidence and high crash rates at this intersection.

The establishment of a Capital Improvement Project, appropriation of \$69,400 (Fund 3703) in HSIP funds, and transfer of \$104,000 (Fund 2025) from the Traffic Signal Safety Program (S15114100) will allow the project to proceed with preliminary engineering. Staff will return to City Council to appropriate and transfer additional federal and local funds for the right-of-way and construction phases prior to each phase of work.

RESOLUTION NO.

Adopted by the Sacramento City Council

MACK ROAD AND VALLEY HI DRIVE/LA MANCHA WAY TRAFFIC SIGNAL UPGRADE PROJECT (T15136400)

BACKGROUND

- A. In July 2012, City staff submitted an application to the Federal Highway Safety Improvement Program (HSIP) for a traffic signal upgrade project at the intersection of Mack Road and Valley Hi Drive/La Mancha Way. The application was successful and the City was awarded \$493,800 in HSIP funds for the design and construction of the project.
- B. The proposed project includes the conversion of the existing traffic signals from pedestal mounted to mast arm mounted, an upgrade of the traffic signal equipment to current standards, and the installation of a dedicated right-turn lane for westbound to northbound movement. These safety improvements are expected to address many of the factors that have contributed to the high collision incidence and high crash rates at this intersection.
- C. Funds from the Traffic Signal Safety Program (S15114100) will cover the local match and ineligible expenses for completion of the project.

BASED ON THE FACTS SET FORTH IN THE BACKGROUND, THE CITY COUNCIL RESOLVES AS FOLLOWS:

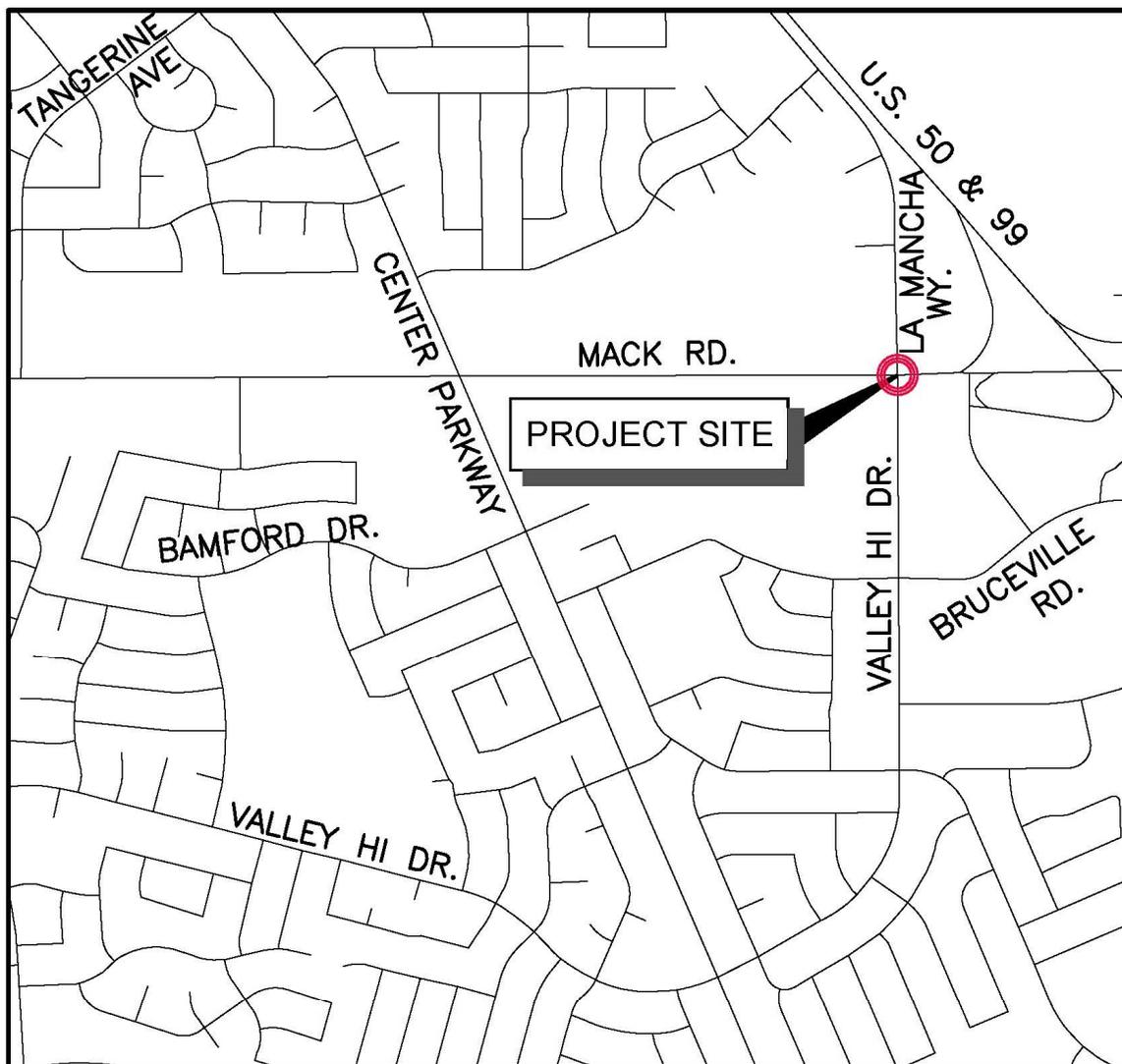
- Section 1. The Mack Road and Valley Hi Drive/La Mancha Way Traffic Signal Upgrade Project (T15136400) is established as a new Capital Improvement Project.
- Section 2. The FY 2013/14 Capital Improvement Program is amended by appropriating \$69,400 (Fund 3703) in Federal HSIP funds to the Mack Road and Valley Hi Drive/La Mancha Way Traffic Signal Upgrade Project (T15136400).
- Section 3. The FY 2013/14 Capital Improvement Program is amended by transferring \$104,000 (Fund 2025) from the Traffic Signal Safety Program (S15114100) to the Mack Road and Valley Hi Drive/La Mancha Way Traffic Signal Upgrade Project (T15136400).

Section 4. Exhibit A is hereby incorporated into and is a part of this Resolution.

Table of Contents:

Exhibit A: Location Map

Location map for:
Mack Road & Valley Hi Drive/La Mancha Way
Traffic Signal Upgrade
(PN: T15136400)



Date: JUNE 2013