



City of Culver City

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Staff Report

File #: 16-572, Version: 1

Item #: C-7.

CC - FOUR-FIFTHS VOTE REQUIREMENT - (1) Approval of the Funding Agreement with Los Angeles County Metropolitan Transportation Authority for the Network-Wide Traffic Signal Synch with VID & Arterial Performance Measurement System Project, PL-008; (2) Approval of the Project Readiness Certification; and (3) Approval of a Budget Amendment Appropriating \$989,517 of Metro Grant Funds and \$247,379 of Matching Funds in FY16/17 CIP Budget for this Project

Meeting Date: February 13, 2017

Contact Person/Dept: Hong Wang, Public Works/Engineering
Phone Number: 310.253.5604

Fiscal Impact: Yes ☒ No ☐

General Fund: Yes ☒ No ☐

Public Hearing: ☐ **Action Item:** ☐ **Attachments:** ☒

Commission Action Required: Yes ☐ No ☒

Public Notification: (E-Mail) Meetings and Agendas - City Council (2/07/2017);

Department Approval: Charles D. Herbertson (02/06/17)

RECOMMENDATION

Staff recommends the City Council: (1) approve the Funding Agreement with Los Angeles County Metropolitan Transportation Authority for the Network-Wide Traffic Signal Synch with VID & Arterial Performance Measurement System Project, PL-008; (2) approve the Project Readiness Certification; and (3) approve a budget amendment appropriating \$989,517 of Metro Grant Funds and \$247,379 of matching funds in FY16/17 CIP Budget for this Project.

A BUDGET AMENDMENT REQUIRES A FOUR-FIFTHS VOTE

BACKGROUND/DISCUSSION

The City was awarded funding by Los Angeles County Metropolitan Transportation Authority (Metro) in the category of Signal Synchronization for an Adaptive Traffic Control System (Project) as part of the 2013 Metro Call for Projects competitive process.

The purpose of the Project is to improve traffic mobility and safety of the major arterials that run through the City by conducting city network-wide signal system synchronization and upgrading the intersection detection at key locations throughout the City with an arterial performance measurement system in support of the City's adaptive traffic control system (ATCS) operations, which is currently under construction. The ATCS when completed, would dynamically control all signalized intersections in the City in real-time. With the arterial performance measurement system, the real-time performance data will provide information to ATCS for enhanced network optimization. This will help to ensure mobility gains based on real-time traffic demand versus by time of the day. This project is entirely within public right-of-way and would not have any significant environmental impacts.

The following are the project elements:

1. Conduct traffic signal timing update at all of the City's signalized intersections.
2. Install equipment and software to measure travel time and speeds along major corridors in the City.
3. Install additional system and advance detection along major corridors as necessary to supplement the volume and speed data.
4. Install additional limit line detection as necessary using video units at key intersections for traffic detection (vehicle, bicycle and pedestrian).

Due to the highly technical nature of this funding category, staff determined that consulting engineering services would be required to prepare the Request for Proposal.

The attached funding Metro Agreement includes a 'Readiness Certification' requirement that this project be adopted in the City's current FY16/17 CIP budget. The City has until June 30, 2019 to complete the project.

FISCAL ANALYSIS

Metro will fund 80% of the project cost up to \$989,517 using Los Angeles County Proposition C funds. The required \$247,379 (20%) local match is funded by Playa Vista Mitigation funds.

Proposed Project Budget:

Funding Source	Amount
Metro LA County Prop C (42380000.730100.PL008)	\$ 989,517
<u>City Match (42080000.730100.PL008)</u>	<u>\$ 247,379</u>
Total Project Budget	\$1,236,896

ATTACHMENTS

1. Metro Funding Agreement No. 920000000F7303

MOTION

That the City Council:

1. Approve the Funding Agreement with Los Angeles County Metropolitan Transportation Authority for the Network-wide Traffic Signal Synch with VID & Arterial Performance Measurement System Project, PL-008; and,
2. Approve the Project Readiness Certification; and,
3. Approve a Budget Amendment Appropriating \$989,517 of Metro Grant Funds and \$247,379 of Matching Funds in FY16/17 CIP Budget for this Project; and,
4. Authorize the City Attorney to review/prepare the necessary documents; and,
5. Authorize the City Manager to execute such documents on behalf of the City