

Agenda Report

December 4, 2017

TO: Honorable Mayor and City Council

FROM: Department of Transportation

SUBJECT: AUTHORIZE THE CITY MANAGER TO EXECUTE ALL AGREEMENTS WITH THE LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY ASSOCIATED WITH THE RECEIPT OF GRANT FUNDING AND THE IMPLEMENTATION OF THE PASADENA TRANSIT, TRANSIT SIGNAL PRIORITY PROJECT

RECOMMENDATION:

It is recommended that the City Council:

1. Find that the Pasadena Transit, Transit Signal Priority Project is exempt from review pursuant to the California Environmental Quality Act (CEQA), pursuant to State CEQA Guidelines Section 15301, Existing Facilities, and identified as an activity listed in 23 CFR 771.117(c)(21); and
2. Authorize the City Manager to execute all agreements with the Los Angeles County Metropolitan Transportation Authority (Metro) associated with the receipt of \$1,157,647 in reimbursable grant funding for the implementation of the Pasadena Transit, Transit Signal Priority Project (CIP Project No. 75094).

BACKGROUND:

In 2013, the City's Department of Transportation applied for funds from Metro's Call for Projects. Through a very competitive process, the "Pasadena Transit, Transit Signal Priority" Project was approved for the 2013 Call for Projects cycle and funding was set aside pending approval by Metro's Board and formal execution of a Funding Agreement with the City.

The project will provide transit signal priority for Pasadena Transit along routes with the highest ridership and complement the existing transit signal priority installed in Pasadena for the Metro Rapid Bus and Foothill Transit system. The project includes upgrading 29 buses and 42 intersections to accommodate transit signal priority. Intersection improvements include installation of new traffic signal controllers, installation of transit signal priority intersection hardware, associated communication devices, signal timing

updates, software and firmware updates as needed, and other associated upgrades in order to make the system functional. The project corridors are:

- Lake Avenue between California Boulevard and Rio Grande Street
- California Boulevard between Arroyo Parkway and Lake Avenue
- Arroyo Parkway between California Boulevard and Glenarm Street
- Raymond Avenue between Glenarm Street and Walnut Street
- Foothill Boulevard between Altadena Drive and Halstead Street

In addition, the project will provide for the installation of three (3) closed circuit television (CCTV) cameras, including associated poles and hardware, at critical locations to monitor the transit corridors and adjust signal timing as needed. Nine traffic signal controller cabinets will also be upgraded to the current City specifications.

The Pasadena Transit fixed route fleet of 29 buses will be equipped with hardware to allow for signal priority as well as associated vehicle firmware upgrades and any associated components to make the system functional. The Pasadena Transit, Transit Vehicle Arrival Information System central software will also be upgraded to allow for transit system priority functionality. This project also includes a marketing component for the transit signal priority system.

The project is currently scheduled to begin design in FY 2018 with construction to be completed by end of FY 2021.

COUNCIL POLICY CONSIDERATION:

The Pasadena Transit, Transit Signal Priority Project supports the Mobility Element of the General Plan by promoting efficient transit operations. This project is consistent with the Mobility Element Objectives of enhancing livability (Objective 1) and encouraging walking, biking, transit and other alternatives to motor vehicles (Objective 2).

This project is consistent with the Mobility Element Policy 1.24: Ensure predictable transit travel times by providing traffic signal system priority measures.

ENVIRONMENTAL ANALYSIS:

The Pasadena Transit, Transit Signal Priority Project is exempt from review pursuant to the CEQA, pursuant to State CEQA Guidelines Section 15301, Existing Facilities, and identified as an activity listed in 23 CFR 771.117(c)(21).

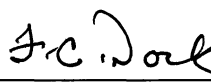
FISCAL IMPACT:

Approval of the Funding Agreement will enable the City to obtain \$1,157,647 in grant funding through Metro for the design, construction, implementation and marketing of the Pasadena Transit, Transit Signal Priority Project (CIP Project No. 75094). The total project cost is \$1,447,191. The following table presents the sources of funds that will be used for this project.

FUNDING SOURCES	FUNDS AVAILABLE
Metro (80% Share)	
Prop C Reimbursable Grant	\$ 1,157,647
Local Match (20% Share)	
Proposition A Capital Reserve	\$ 243,224
Traffic Reduction Fee Fund 313	\$ 46,320
TOTAL PROJECT COST	\$ 1,447,191

The above funds distribution and project summary can be found in the City's FY2018-2022 Adopted Capital Improvement Program. It is anticipated that following the warranty period for equipment installed through this project, operations and maintenance costs for new on-board vehicle equipment resulting from this project will be included in the existing real time traveler information system support contract. Operation and maintenance costs for additional on-street equipment is anticipated to be less than \$10,000 per year, and will be included in the ITS maintenance component traffic engineering operations budget.

Respectfully submitted,



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