

# Agenda Report

April 11, 2016

**TO:** Honorable Mayor and City Council  
**FROM:** Department of Transportation  
**SUBJECT: CONTRACT AWARD TO ITERIS INCORPORATED FOR CONSULTANT SERVICES TO DESIGN AND IMPLEMENT TRAFFIC SIGNAL SYNCHRONIZATION TIMING ALONG BICYCLE DETECTION CORRIDORS**

## **RECOMMENDATION:**

It is recommended that the City Council:

1. Find that the following proposed actions are exempt from review pursuant to the California Environmental Quality Act ("CEQA"), pursuant to State CEQA Guidelines Section 15061 (b) (3) (General Rule); and
2. Authorize the City Manager to enter into a contract, without competitive bidding pursuant to City Charter Section 1002(F), contracts for professional or unique services, with Iteris Inc. for an amount not to exceed \$133,485 for Consultant Services to Design and Implement Traffic Signal Synchronization Timing along Bicycle Detection Corridors.

## **BACKGROUND:**

The City applied for funds during the 2009 Los Angeles County Metropolitan Transportation Authority (Metro) Call for Projects for the Detection of Bicycles at Signal Controlled Intersections. The Metro Board approved the project and programmed funding to first be available in Fiscal Years 2012 – 2015 for implementation pending approval of a Memorandum of Understanding/Letter of Agreement. In March 2013, the City executed the Memorandum of Understanding for this project, which allowed design to be initiated. An initial component of the project was to conduct field trials of different detection systems to determine the appropriate equipment to be incorporated into the signal designs. The field trials required about nine months, following which the design process of the project was initiated. Because federal funds were used by Metro for this project, coordination through Caltrans Local Assistance Office was necessary which extended the design phase of the project to this Fiscal Year. Now that the design is

complete and construction is imminent, the signal timing component of the project is being initiated.

This project will provide bike detection along major bike corridors identified in the Bicycle Plan. The corridors are along Mountain Street, Washington Boulevard, Hill Avenue and Altadena Drive. A key benefit of this project is that it provides an ideal linkage to transit between the Allen Avenue Metro Gold Line station, businesses, stores and employment centers throughout Pasadena, as well as to academic institutions, including Pasadena High School, Marshall Fundamental Secondary School, Pasadena City College and Caltech.

The awarded Metro Grant project included (1) the installation of detection systems that will accommodate bicycles at selected locations along the corridor, (2) the upgrade of traffic signal cabinets and controllers to facilitate the bike detection, and (3) the retiming for traffic signal synchronization along the project corridors to improve vehicular travel time and facilitate bicycle travel. The City will be completing the first two components as a construction project through a separate competitive bidding process. The third component is the subject of this contract award and will be implemented in parallel with the construction project. There are at least 44 signalized intersections along the project corridors that will need signal synchronization update.

### **CONSULTANT SELECTION**

The City released a Request for Proposal (RFP) for Consultant Services to Implement Traffic Signal Synchronization along Bicycle Detection Corridors on January 29, 2016; Four firms submitted complete and responsive proposals. Iteris, Inc. was rated the highest based on the rating criteria stated in the RFP and is selected for this project.

The list of consultants who participated in this RFP process including their location can be found as Attachment A.

All of the consultants are well experienced and qualified to perform this project. However, Iteris Incorporated scored higher in the areas of Project approach, Project Understanding and Best Value. Iteris, Inc. demonstrated thorough analysis of each corridor using the software specified in the RFP and is leveraging additional company resources and their familiarity with the City through previous and current related City projects which provides cost efficiencies.

The proposed contract fully complies with the Competitive Selection process. The contract with Iteris, Inc. will be for a not-to-exceed amount of \$133,485. This contract amount includes all the cost for a full implementation of the project, attendance of key project meetings, submittal of all project deliverables, project reports, before and after analysis, fine tuning, post project support and a 10 percent (\$12,135) contingency. This contract amount costs included in this project has been appropriated in the Capital Improvement Project (75043) – Detection of Bicycles at Intersections controlled by Traffic Signals.

**COUNCIL POLICY CONSIDERATION:**

This project supports the City Council strategic goal to maintain and enhance mobility by promoting non-auto travel including bicycle and pedestrian facilities. The project protects neighborhoods by discouraging traffic from intruding into community neighborhoods. Further, the benefits rendered by successful completion of this project are consistent with goals set forth in the Mobility Element of the General Plan and the Department's mission statement.

**ENVIRONMENTAL ANALYSIS:**

The City's Environmental Administrator has determined the project is categorically exempt under the California Environmental Quality Act ("CEQA") Guidelines in Section 15061 (b) (3), the General Rule. The proposed action is to provide staffing of the Traffic Management Center during special events. The activity is covered by the general rule that CEQA only applies to projects that have a potential for causing a significant effect on the environment. A Notice of Exemption for the project will be filed with the Los Angeles County Clerk before the end of this month, as required. In addition, there are no changed circumstances or new information which would require further environmental review.

**FISCAL IMPACT:**

The total compensation under this contract will be an amount not to exceed \$133,485 corresponding to \$121,350 as base contract and \$12,135 set aside as a contingency (approximately 10%) for any unforeseen project costs. The contract administration and staff time project implementation cost (approximately 15%) is \$18,203 and has been programmed in the Department of Transportation's annual operating budget.

It is anticipated that the entire amount will be spent during fiscal years 2016-2017.

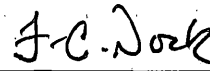
The following table presents a contract summary.

Base Contract Amount: FY 2016	\$ 10,000
Base Contract Amount: FY 2017	\$111,350
Contingency	\$ 12,135
<b>Subtotal</b>	<b>\$133,485</b>
Contract Administration Implementation	\$ 18,203
<b>Total Fiscal Impact</b>	<b>\$151,688</b>

Existing budget appropriation is available for this contract award in the Capital Improvement Project 75043 – Detection of Bicycles at Intersections Controlled by Traffic Signals from the following funding sources:

Metro Grant (80%)	\$121,350
Measure R – Transportation Funds	\$ 19,719
Private Capital	\$ 6,543
TDA-Article 3	\$ 4,096
<b>Total Fiscal Impact</b>	<b>\$151,688</b>

Respectfully submitted,



FREDERICK C. DOCK

Director

Department of Transportation

Prepared by:



Norman Baculinao  
Traffic Engineering Manager

Approved by:



STEVE MERMELL  
Interim City Manager

Attachment (1):

Attachment A – Consultants Evaluation Criteria and Scores