

Agenda Report

July 17, 2017

TO: Honorable Mayor and City Council
FROM: Department of Transportation
SUBJECT: CONTRACT AWARD TO CROSSTOWN ELECTRICAL AND DATA INCORPORATED TO IMPLEMENT THE TRAFFIC SIGNAL NETWORK REDESIGN IMPLEMENTATION PROJECT

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);
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 Crosstown Electrical and Data Inc. for an amount not to exceed \$741,235, to implement the Traffic Signal Network Redesign Implementation Project.

BACKGROUND:

During the 2009 Los Angeles County Metropolitan Transportation Authority (Metro) Call for Projects, the City was granted funds for the Pasadena Intelligent Transportation Systems (ITS) Phase III Project, with the agreement between LA Metro and the City approved by Council in October 2013. One of the three main components of the Pasadena ITS Phase III project addresses the optimization of the Transportation Management Center (TMC) traffic signal networking communication infrastructure.

Currently, the TMC manages over 350 traffic signals within the Department of Transportation (DOT) digital network. While DOT continues to upgrade all ITS devices at all signalized intersections, all connections are made in the same fashion, providing complexities when attempting to manage each device by type or function.

With the implementation of this project DOT, with the assistance of the Department of Information Technology (DoIT), will be able to provide segmentation to different devices and organized by type and function within the DOT's traffic signal communication

network. Essentially, DOT will be migrating from its current single class B flat network with no dynamic redundancy to a dynamic & redundant Traffic Signal Network that will support current- and future-state ITS devices with broader technologies. In addition, this will provide a simple yet robust communication infrastructure by which the TMC can efficiently and systematically task all devices according to the specific need based on location or function within DOT's traffic signal network.

In April 2017 DOT with assistance from DoIT prepared an Request for Proposals for the subject project. On May 4, 2017, the RFP was released and posted on Planetbids with a due date of May 25, 2017. A non-mandatory pre-proposal meeting was offered via the RFP to prospective proposers and was held on May 18, 2017.

On May 25, 2017, the Planetbids site indicated 34 proposals downloaded, however only one proposal was received by Crosstown Electrical and Data Inc. The evaluation panel consisted of representatives from DOT and DoIT. The panel was comprised of three transportation operation engineers from DOT, four members of DoIT, two software application engineers, a senior network engineer, and a project manager respectively. The proposal was reviewed for compliance with the evaluation criteria outlined in the RFP.

On June 14, 2017, at request of DOT, the vendor submitted a modified cost proposal document to reflect key equipment cost reduction and included cost flexibility for additional parts and labor while maintaining all other terms as originally proposed. As such, the proposal and the modified cost proposal document were accepted by DOT later on June 25, 2017. Crosstown has been very active in performing advanced communications installation and networking work for several DOT projects in the past few years. Crosstown has showed utmost professionalism while at work during projects within the City. In addition, they have always shown good faith in completing projects on time and at DOT's satisfaction.

This proposed contract fully complies with the Competitive Selection process. The contract with Crosstown Electrical and Data Inc. will be for a not-to-exceed amount of \$741,235. 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, and a contract contingency of \$74,123.

COUNCIL POLICY CONSIDERATION:

This project supports the City Council strategic goal to maintain and enhance mobility by promoting the implementation of highly technologically advanced communication networking devices to support the DOT complex planning of all motorized and non-motorized mobility strategies within the City. Furthermore, 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 CEQA Guidelines in Section 15061 (b) (3), the General Rule. The proposed action is to provide staffing of the TMC 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 cost of this action will be \$741,235. Funding for this action will be addressed by the utilization of exiting Capital Improvement Program budgeted appropriation in the ITS Master Plan Implementation Phase III Project (75911). This implementation is expected to be completed by the end of Fiscal Year 2018.

The following table presents a contract budget summary:

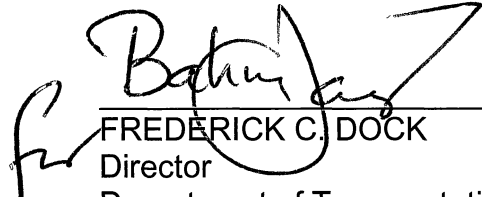
Contract Budget Summary	
Base Contract and Options Amount	\$ 667,112
Contingency (Approximately 10%)	\$74,123
TOTAL CONTRACT AMOUNT	\$ 741,235

The following table presents a summary of the sources of funds that will be used:

Funding Sources Summary	
Metro Grant – Prop C Fund 301	\$ 592,988
Measure R Fund 236	\$124,000
Transportation Improvement Fee Fund 313	24,247
TOTAL FUNDING	\$741,235

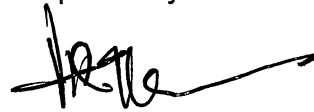
The contract administration and staff time cost to implement this project is approximately \$18,203 and has been programmed in DOT's Fiscal Year 2018 Operating Budget.

Respectfully submitted,



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Approved by:



for STEVE MERMELL
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