

# Agenda Report

August 28, 2017

**TO:** Honorable Mayor and City Council

**FROM:** Department of Public Works

**SUBJECT: CONTRACT AWARD TO DBX, INC. FOR INTELLIGENT TRANSPORTATION SYSTEM, PHASE III FOR AN AMOUNT NOT TO EXCEED \$2,140,000**

## **RECOMMENDATION:**

It is recommended that the City Council:

1. Find the project herein to be categorically exempt under the California Environmental Quality Act (CEQA) Guidelines in accordance with Title 14, Chapter 3, Article 19, Section 15301, minor alterations of existing public facilities involving negligible or no expansion of use beyond that previously existing at the time of the lead agency's determination; and
2. i) Accept the bid dated August 2, 2017, submitted by DBX, Inc. in response to the Project Plans and Specifications for the Intelligent Transportation System, Phase III, ii) reject all other bids, and iii) and authorize the City Manager to enter into such contract for an amount not to exceed \$2,140,000.

## **BACKGROUND:**

This project will complete the citywide fiber optic traffic communications system for the Intelligent Transportation System Master Plan by closing the fiber optic communication gaps within the main fiber ring and extending fiber optic communication to intersections along corridors outside the main fiber ring.

In addition, City Staff has been coordinating efforts with Caltrans and Metro to provide design and operational direction for the Integrated Congestion Management (ICM) project of the I-210 freeway. The ICM is to provide congestion management of the I-210 freeway during traffic events that create a freeway shutdown. Local agencies also involved are the Cities of Arcadia, Monrovia, and Duarte, and the County of Los Angeles. By obtaining real time data from existing sensors along the I-210, predetermined routing information will be transmitted to existing dynamic message signs along the affected freeway route, vehicles will be diverted and guided off the freeway onto specific local street corridors through additional dynamic message signs redirecting vehicles back on

the freeway. Local street traffic signal synchronization and timing will be integrated with the additional vehicle volumes and demand. Additionally, proprietary traffic and navigational applications, such as Waze, will also provide driver alerts and automatic reroutes. As part of this project, two intersections will be connected to Caltrans existing fiber optic communication providing the porthole for data to be shared between the State and Local agencies.

This project includes the installation of fiber optic and traffic signal equipment at various corridors within Pasadena. The corridors included in this project are:

1. Washington Boulevard – Lincoln Avenue to Catalina Avenue
2. Los Robles Avenue – Mountain Street to Orange Grove Boulevard
3. Marengo Avenue – Villa Street to Colorado Boulevard
4. California Boulevard – Orange Grove Boulevard to St. John Avenue
5. Allen Avenue – Washington Boulevard to Orange Grove Boulevard
6. Allen Avenue – Villa Street to Walnut Street
7. San Gabriel Boulevard – Del Mar Boulevard to California Boulevard
8. Sierra Madre Villa Avenue – Sierra Madre Boulevard to Orange Grove Boulevard
9. Rosemead Boulevard – Sierra Madre Villa Avenue to Foothill Boulevard
10. Sierra Madre Boulevard – Colorado Boulevard to Corson Street
11. Rosemead Boulevard at Halstead Street
12. Rosemead Boulevard at Hastings Ranch Drive
13. Fair Oaks Avenue at Maple Street

A finding of compliance with the General Plan was previously made and is shown on page 5.29 of the adopted FY 2017 Capital Improvement Program (CIP), *Intelligent Transportation System (ITS) Master Plan Implementation Phase III*.

The Department of Public Works prepared plans and specifications for this project. In accordance with Section 4.08.070 of the Pasadena Municipal Code, bids were requested and received. This project was advertised in the *Pasadena Journal* on July 7, 2017. In addition, the Notice Inviting Bids was published in four trade publications and listed on the City's website, which generated notices to 80 local vendors. Bid packets were obtained by 49 contractors, eight of whom submitted bids for the project.

Following advertising, bids were received on August 2, 2017, and are as follows:

Bidder	Amount (\$)
1. DBX, Inc., Temecula	\$1,941,985
2. Select Electric, Inc., Vista	\$2,239,928
3. Comet Electric, Inc., Chatsworth	\$2,262,207
4. Calpromax Engineering, Inc., Placentia	\$2,334,310
5. Elecnor Belco, Inc., Chino	\$2,360,687
6. PTM General Engineering Services, Inc., Riverside	\$2,657,057
7. Ferreira Coastal Construction Company, Chino	\$2,803,188
8. Alfaro Communications Construction, Inc., Compton	\$3,441,297

Engineer's Estimate

\$2,571,090

It is recommended that DBX, Inc. be awarded the contract for this project as they are the lowest responsive and responsible bidder. The proposed contract with DBX, Inc. fully complies with the Competitive Bidding and Living Wage Ordinances. In addition, the proposed contract with DBX, Inc. fully complies with the Prevailing Wage Law (Senate Bill 7) per Resolution 9406 adopted by the City Council on December 15, 2014. The contractor has indicated that the award of this contract will result in no new hires to its present workforce. DBX, Inc. has completed contracts totaling approximately \$1,100,000 on a prior City project since 2014.

The contract for this project will be set up as follows:

Bid	\$ 1,941,985
Contingency Allowance	\$ 198,015
Contract "Not to Exceed" Amount	\$ 2,140,000

It is anticipated that construction will begin in October 2017 and be completed in May 2018.

**COUNCIL POLICY CONSIDERATION:**

This project is consistent with the City Council's goals to improve, maintain and enhance public facilities and infrastructure, and improve mobility and accessibility throughout the City. It also supports the Mobility Element of the General Plan by continuing to invest in innovative information technology and applications to help improve access to all transportation choices.

**ENVIRONMENTAL ANALYSIS:**

The City's Environmental Administrator recommends that the City Council determine the proposed project to be exempt under CEQA in accordance with Title 14, Chapter 3, Article 19, Section 15301, minor alterations of existing public facilities involving negligible or no expansion of use beyond that existing at the time of lead agency's determination.

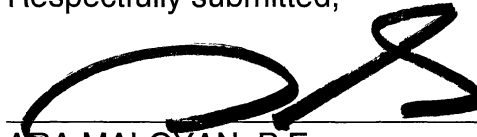
**FISCAL IMPACT:**

The total cost of this contract is \$2,140,000 and the total cost of this action will be \$2,330,000. Funding for this action will be addressed by the utilization of existing funds in the *Intelligent Transportation System (ITS) Master Plan Implementation Phase III* CIP project (budget account 75911). It is anticipated that all of the cost will be spent in FY 2018.

The following table represents a cost summary of the project.

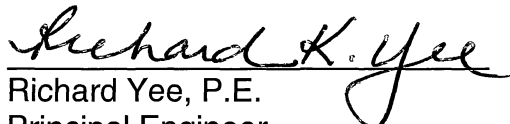
Base Bid	\$ 1,941,985
Contingency Allowance	\$ 198,015
Contract Administration/Inspection	\$ 190,000
<b>Total Fiscal Impact</b>	<b>\$ 2,330,000</b>

Respectfully submitted,




ARA MALOYAN, P.E.  
Director of Public Works

Prepared by:



Richard Yee, P.E.  
Principal Engineer

Approved by:



STEVE MERMELL  
City Manager