



# CITY OF COMMERCE AGENDA REPORT

Item No.: \_\_\_\_\_

**TO:** Honorable City Council

**FROM:** City Administrator

**SUBJECT:** AUTHORIZATION OF ENGINEERING DESIGN, AND  
GEOTECHNICAL INVESTIGATION, FOR \$4 MILLION  
PAVEMENT REHABILITATION PROGRAM FY 2018-19

**MEETING DATE:** September 18, 2018

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## **RECOMMENDATION:**

It is recommended that the City Council approve the Resolution as follows:

1. Authorize staff to proceed with the FY 2018/19 Pavement Rehabilitation Project Design and Geotechnical Investigation for an estimated total of approximately \$4 million program;
2. Authorize Transtech Engineers Inc. to Proceed with the necessary work for design services in an amount of \$195,150, per their existing On-Call General Civil Engineer Services Contract.
3. Authorize Geo-Advantec, Inc. to proceed with Geotechnical Investigation Services, in an amount not to exceed \$57,835, per the existing Agreement for Consultant Services.
4. Provide about 10% or \$30,000 for contingencies.

## **BACKGROUND:**

The annual pavement management program will provide for the pavement rehabilitation of selected streets throughout the City. The selected streets are based on the recommendations identified within the City's Pavement Management System (PMS). Streets that are recommended to be included in the 2018/19 pavement rehabilitation include, but are not limited to the following:

1. Garfield Avenue: From Telegraph Road to Gage Avenue
2. Sheila Street: From City West end to City East end
3. Triggs Street : From Eastern Avenue to Telegraph/Atlantic
4. Gage Avenue: From south of Slauson Avenue to Greenwood Avenue (City Limit)

## **ANALYSIS:**

The selection of the recommended streets is based on the City Pavement Management report, budget availability, as well as field investigation and the general condition of the streets. At this time, staff is requesting Council to approve the design phase of the project, which includes engineering design and geotechnical investigations. The development of a set of construction bid documents for the above streets is also required. Per Council priority, it is possible to include additional streets and perform the necessary geotechnical investigation and engineering design for those streets. The final selection and inclusion of streets can take place after bids are received. Based on budget availability, the contractor bids and Council priority, staff will be able to make final recommendations for Fiscal Year 18/19 street rehabilitation program.

## **Available Funding**

At this time the City has two different federal funding allocations. These funds were earmarks for Garfield Avenue and had stayed on the books for a long time. Staff recognized the need to utilize these funds as early as possible. Therefore, for the remaining portion of Garfield, staff plans to utilize these funds. They are as follows:

- A. Garfield and Slauson Intersection Improvements, Federal Fund DEMOSTL, FTIP#LA00G306, Federal Funding Amount \$475,000
- B. Garfield Avenue Pavement and ADA Improvements, Federal Funded DEMOSTL, FTIP#LA0G807, Federal Funding Amount \$499,915

Because of Federal Funding requirements, Caltrans requires that the City go through E-76 authorization process for construction. Getting E-76 authorization for construction for these federally funded projects will take approximately 9 months, which includes design, environmental process and approval, Caltrans contract document review, and final E-76 issuance for obligation of federal funds to proceed with the construction. This total amount will be utilized for the segment of Garfield from Telegraph Road south to Gage Avenue. Therefore, due to this lengthy process, the actual pavement work for Garfield is scheduled for August 2019.

Additionally, due to lower bids and construction efficiencies, there is about \$1 million remaining from FY 17/18 available for pavement management this year. It is expected that the total budget can also be augmented during the mid-year budget review process with an additional \$2 million for a total pavement management budget of approximately \$4 million. By undertaking and completing the design effort at this time, Council will have the flexibility of including "shovel ready" streets as bids are received and final

budget is identified.

### **Pavement Management Fiscal Year 18-19**

The initial design phase of the PMS project will review the candidate streets and establish final rehabilitation criteria to be implemented. The work will also include a geotechnical analysis including pavement sampling to recommend various options for rehabilitation based on existing conditions and an available budget of approximately \$4 million for this effort.

It should be noted that the final design may differ from the recommendations included in the PMS. The PMS is used as a planning tool and is not a final engineering design document. The final design will be based on engineering judgment, field conditions, technical reports, coordination with other projects, and other various factors. Ultimately, the design will reflect a street rehabilitation program which fits the budget and the needs of the City.

Based on industry standards, the budgets for soft costs for similar projects would be in the range of 25% of the construction cost, with approximately 10% allocated to design engineering services and 15% allocated to construction management and inspection services.

For this project, the City is averaging significantly lower costs, approximately 5% for the design and less than 1.5% for Geo-technical Engineering based on \$4 million project budget. These reduced costs are achieved as a result of City's on-call services contract approach, where staff is able to negotiate an efficient scope of work with cost effective fees.

Staff recommends that City Council authorize staff to proceed with the design of the \$4 million FY 18/19 pavement management program, and for Transtech to proceed with Engineering Design of the Project for a fee of \$195,150 per the existing On-Call General Civil Engineer Services Contract, and for Geo-Advantec to proceed with Geotechnical Investigation Services for a fee of \$57,835 per their existing Agreement for Consultant Services and for a contingency budget of \$30,0000.

### **ALTERNATIVES:**

1. Approve staff recommendation
2. Disapprove staff recommendation
3. Provide further direction to staff

### **FISCAL IMPACT:**

Budget for 2018/2019 for the engineering and geotechnical services are included in the

Pavement Management Rehabilitation Program for FY 17/18 and FY 18/19.

**RELATIONSHIP TO STRATEGIC GOALS:**

The issue before the Council is applicable to the following Council's strategic goal:  
*"Develop and implement a sustainable Capital Improvement Program to ensure the quality of the existing infrastructure and to support future plans for the City"*

Recommended by: Maryam Babaki, Director of Public Works & Development Services

Reviewed by: Vilko Domic, Finance Director

Approved as to form: Noel Tapia, City Attorney

Respectfully submitted by: Edgar P. Cisneros, City Administrator

Attachment:

Transtech Engineering proposal  
Geo-Advantech Geotechnical Proposal  
Resolution