



CITY OF COMMERCE AGENDA REPORT

Item No.: _____

TO: Honorable City Council

FROM: City Administrator

SUBJECT: AUTHORIZATION OF ENGINEERING DESIGN,
GEOTECHNICAL INVESTIGATION, FOR PAVEMENT
REHABILITATION PROGRAM FY 2017-18

MEETING DATE: April 4, 2017

RECOMMENDATION:

It is recommended that the City Council approve the Resolution, which will:

1. Authorize staff to proceed with the FY 2017/18 Pavement Rehabilitation Project (the "Project") design utilizing the \$2,500,000 CIP previously approved by the City Council on June 21, 2016;
2. Authorize Transtech Engineers Inc. to proceed with necessary design services, in the amount of \$175,000, pursuant to their existing On-Call General Civil Engineer Services Contract, dated February 2, 2016; and,
3. Authorize Geo-Advantec, Inc. to proceed with Geotechnical Investigation Services, in an amount not to exceed \$50,000, pursuant to their existing Agreement for Consultant Services, dated January 13, 2015.

BACKGROUND:

On June 21, 2016, the City Council approved the City of Commerce Fiscal year 2016-17 Capital Improvement Program (CIP), which included approval of the Annual Street Rehabilitation Program in the amount of \$2,500,000.

The Project will provide for the pavement rehabilitation of selected streets throughout the City; the selected streets were based on the recommendations identified within the City's Pavement Management System (PMS). Streets that will be included in the 2017/18 Project are:

1. Ferguson Avenue (Atlantic Blvd to East City Limit, including cul-de-sac streets on the south side); and
2. Garfield Avenue (North City Limit to Telegraph Road).

ANALYSIS:

The design phase of the Project includes engineering design and geotechnical investigations required to develop a set of construction bid documents for the proposed project streets listed below:

1. Ferguson Avenue (Atlantic Blvd to East City Limit, including cul-de-sac streets on the south side); and
2. Garfield Avenue (North City Limit to Telegraph Road).

Additional Federal Funding available for Garfield Avenue

At this time the City has two different federal funding allocations. These funds were earmarks for Garfield Avenue and have 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 fFund 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 the E-76 authorization process for construction. E-76 authorization for construction of 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.

As a result of this federal funding, a total of almost \$3.5 million is available for pavement management this year; however, due to the federal requirements, the City will issue two separate contracts for this work and proceed with the \$2.5 Million initially.

Pavement Management Fiscal Year 16-17

The initial design phase of the PMS project will review Ferguson Avenue (Atlantic Blvd to East City Limit, including cul-de-sac streets on the south side) and Garfield Avenue

(North City Limit to Telegraph Road) 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 available budget of \$2,500,000 for the Project.

After engineering design and costs analysis, staff will present the final limits that can be rehabilitated within the available budget, and if necessary, additional funding can be added at that time at City Council discretion.

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 and 15% allocated to construction management and inspection services. City staff obtained fee proposals from Transtech and JMDiaz. The Transtech fee of \$175,000 was substantially lower than the fee proposed by JMDiaz.

For this project, the City is averaging significantly lower costs, approximately 7% for the design and 2% for Geo-technical Engineering based on a \$2,500,000 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 fee.

ALTERNATIVES:

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

FISCAL IMPACT:

Budget for 2017/2018 Pavement Management Rehabilitation Program is included in: Annual Street Rehabilitation Program (16/17) approved at 06/21/16 Council meeting for \$2,500,000.

RELATIONSHIP TO STRATEGIC GOALS:

The issue before the Council is applicable to the following Council's strategic goal:
"Improve and maintain infrastructure and beautify our community"

Recommended by: Maryam Babaki, Director of Public Works & Development Services
Reviewed by: Vilko Domic, Finance Director
Approved as to form: Eduardo Olivo, City Attorney
Respectfully submitted by: Matthew Rodriguez, Interim City Administrator