



Agenda Report

Fullerton City Council

MEETING DATE: SEPTEMBER 18, 2018

TO: CITY COUNCIL / SUCCESSOR AGENCY

SUBMITTED BY: KENNETH A. DOMER, CITY MANAGER

PREPARED BY: DONALD K. HOPPE, DIRECTOR OF PUBLIC WORKS
HYE JIN LEE, ASSISTANT CITY ENGINEER / WATER
SYSTEM MANAGER
GAR HUANG, ASSISTANT ENGINEER

SUBJECT: TRENCHLESS PIPE TECHNOLOGY INVESTIGATION
AND DESIGN

SUMMARY

Award a consultant contract to Michael Baker International, Inc. for the Trenchless Pipe Technology Investigation and Design Project.

RECOMMENDATION

1. Approve the consultant contract between Michael Baker International, Inc. and the City of Fullerton, in a form approved by the City Attorney, in the amount of \$99,709.
2. Approve a budget transfer of \$120,000 from Project 53618 Water Main System Replacement Fiscal Year 2017-18 to Project 53015 Trenchless Pipe Technology.
3. Authorize the Director of Public Works, or designee, to execute the contract and take any and all action necessary to implement and administer the contract.

PRIORITY POLICY STATEMENT

This item matches the following Priority Policy Statement:

- Infrastructure and City Assets.

FISCAL IMPACT

Sufficient funds are available to complete this project. For accounting purposes, staff is recommending a budget transfer. A budget data summary sheet is attached for City Council's reference (Attachment 1).

DISCUSSION

The Water Utility operates numerous old high pressure water lines throughout the city, including some that cross under the freeway, train tracks, or in between homes. In these situations, the typical pipe replacement method of open trenching is highly disruptive and cost prohibitive. In an effort to provide proactive repair and replacement of these mains, staff intends to determine if trenchless technology is a viable application in the following five locations:

1. 200 feet crossing the BNSF/UP Railroad at Richman Ave.
2. 200 feet crossing the BNSF Railroad at Brookhurst St.
3. 300 feet crossing the 91 Freeway near Highland Ave.
4. 1700 feet crossing the 57 Freeway at Yorba Linda Blvd.
5. 700 feet between the cul-de-sacs of Hollydale Dr, Dana Pl, and Lindendale Ave.

In July 2018, engineering staff extended a Request for a Professional Engineering Services Proposal (RFP) to the six firms below:

- Hazen and Sawyer
- JIG Consultants
- LEE & RO, Inc.
- Michael Baker International, Inc.
- SA Associates
- Stantec, Inc.
- Tetra Tech, Inc.

Staff received three proposals from LEE and RO, Inc., Michael Baker International, Inc. and SA Associates. Three engineering staff members evaluated the proposals and unanimously agreed that Michael Baker International, Inc. was the most qualified for the project.

| <u>Consultant Proposals</u> | <u>Fees</u> |
|-----------------------------|-------------|
| 1. Michael Baker Int. (MBI) | \$99,709 |
| 2. LEE & RO Inc. | \$69,330 |
| 3. SA Associates | \$43,000 |

Although Michael Baker International, Inc. proposed a fee of \$99,709, higher than both LEE & RO, Inc. and SA Associates, staff is recommending them based on their proposal and a technical team that can offer expertise from prior experiences on trenchless technology projects. Michael Baker International, Inc.'s proposal also includes a more comprehensive assessment of pipes and various options of trenchless technology methods. These fees are for investigation only and a design fee is to be

negotiated at a later date, once the pipes are assessed and other design criteria are known.

Investigation is expected to be completed in November 2018, design to be completed in May 2019 and construction expected between summer 2019 and 2020.

Attachments:

- Attachment 1 – Budget Data Sheet
- Attachment 2 – Location Map