

COUNCIL ACTION FORM

SUBJECT: WATER POLLUTION CONTROL FACILITY STRUCTURAL REHABILITATION PROJECT

BACKGROUND:

A comprehensive evaluation of the structural condition of the Water Pollution Control Facility (WPCF) buildings and structures was performed in 2012 by HDR Engineering. Based on that assessment, the facility is generally in overall good condition. However, the facility is more than 27 years old and is showing signs of age-related deterioration. As a part of the condition assessment, a schedule for structural rehabilitation was developed. The drivers for the schedule are the estimated remaining useful life in each structure and coordination with future improvements to the facility. Because of the piece work nature of this project, the work has been split into multiple phases.

On September 13, 2016, Council approved an engineering services agreement with HDR for the design of Phase 1 which includes the following elements: repairs to the precast and cast-in-place concrete walls on all structures except the trickling filters (\$250,000); repair of the solids contact box slabs and sidewalks (\$333,000); address settlement at the Raw Water Pump Station (\$37,000); repair perimeter curbs at the base of the digesters (\$166,000); and clean and seal precast and cast-in-place concrete (\$262,000).

On April 11, 2017, Council issued a Notice to Bidders for the structural repairs to the WPCF. Bids were opened on May 10, 2017. Two bids were received and are summarized below:

Bidder	Total Project Bid Price
Western Specialty Contractors	\$419,000
Vector Construction	\$425,000
<i>Engineer's Estimate</i>	<i>\$430,000</i>

The Structural Rehabilitation project is included in the FY 2016/17 Capital Improvements Plan with a total project budget of \$1,621,000. The project budget relating to the Phase 1 scope of work is \$1,048,000.

The project cost is as follows:

Engineering fees	\$ 97,700
<u>Engineers estimate of construction</u>	<u>\$ 419,000</u>
Total project cost	\$ 516,700

ALTERNATIVES:

1. Award a contract for the Structural Rehabilitation Project to Western Specialty Contractors of Des Moines, IA in the amount of \$419,000.
2. Award a contract for the Structural Rehabilitation Project to Vector Construction in the amount of \$425,000.
2. Do not award a contract at this time.

MANAGER'S RECOMMENDED ACTION:

In order to preserve the significant investment in infrastructure at the Water Pollution Control Facility, periodic structural rehabilitation of buildings and structures is necessary. Because of the value and significance of the structures identified in this project, it is essential that rehabilitation be done prior to a structural failure.

The consulting engineer and staff feel confident in the ability of Western Specialty Contractors to perform the work and recommend awarding them the project. Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1 as described above.