

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 the structural rehabilitation project, the City previously entered into a Master Agreement with HDR Engineering, allowing design services to proceed a portion at a time. HDR Engineering has been awarded a contract amount of \$97,700 for engineering services associated with Task Order 1 of the Master Agreement, which includes services to address the following items included in the FY 15/16 and FY 16/17 Capital Improvements Plans:

- FY 15/16 Repair of the precast and cast-in-place concrete deterioration (all but 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). Total authorized funding: \$786,000.

- FY 16/17 Joint repairs at the sludge pumping building (\$46,000); clean and seal precast and cast-in-place concrete (\$262,000). Total authorized CIP funding: \$308,000.

The joint repairs at the sludge pumping building (FY 16/17) will be pushed back and bundled with the joint repairs listed in the FY 18/19 CIP. The overall CIP budget for tasks identified in Task Order 1 is a total of \$1,048,000, which includes \$119,000 for engineering and \$929,000 for construction. HDR Engineering has estimated the total construction cost to be \$430,000, which includes 20% contingency. This cost is significantly under the CIP’s estimated construction budget.

Design work for Task Order 1 is now complete and the work is ready to bid.

ALTERNATIVES:

1. Grant preliminary approval of the plans and specifications and issue a Notice to Bidders, setting May 10, 2017 as the bid due date and May 23, 2017 as the date for public hearing and award.
2. Do not approve the preliminary plans and specifications and a notice to bidders at this time.

CITY MANAGER'S RECOMMENDED ACTION:

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

Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1 as described above.