

COUNCIL ACTION FORM

**SUBJECT: WATER POLLUTION CONTROL FACILITY SCREENINGS
IMPROVEMENT PROJECT**

BACKGROUND:

The Water Pollution Control Facility (WPCF) was constructed in 1989. The first step of the treatment process is screening the incoming flow to remove any large debris that could damage equipment or could potentially plug pipes. The current screening process splits the influent into three channels, each of which leads to a barscreen. The two outside channels have identical equipment that is original to the plant. The middle barscreen is a different technology that was installed several years ago as a trial that has not performed to staff's satisfaction and is currently not functional.

On June 27, 2017 Council issued a Notice to Bidders to replace the middle screen with a style similar to the two outer screens. Bids were opened on July 26, 2017, and there was one bidder.

Bidder	Total Project Bid Price
Woodruff Construction, LLC	\$755,300

The single bid was well under the engineer's estimate of probable construction cost, which was \$824,400. The design engineer from HDR recommends award to the lone bidder. (See the attached letter.) Past expenses and available funding for the project are as follows:

FY 15 Actual Expenses	\$ 11,354.86
FY 16 Actual Expenses	40,264.50
FY 17 Actual Expenses	5,499.68
FY 17 Available Carryover	<u>884,042.32</u>
	\$ 941,161.36

Since this project is a retrofit, staff recommends holding in reserve a construction contingency of at least 15% of the construction cost to cover unanticipated costs. In order to have that level of contingency, staff recommends moving savings from the completed WPC Street Repairs Project (\$27,593) to the barscreen project. This would bring the contingency to \$123,319, or 16.3% of the construction cost.

Following the bid opening and with this addition to the construction contingency, the revised project estimate is as follows:

Engineering	\$ 70,135
Construction	755,300
Engineering Contingency	20,000
<u>Construction Contingency</u>	<u>123,319</u>
Total Project Cost	\$ 968,754

ALTERNATIVES:

1. Take the following actions to move forward with the project.
 - a) Award a contract to Woodruff Construction, LLC. In the amount of \$755,300 for the Water Pollution Control Screenings Improvement Project.
 - b) Authorize the reallocation of savings from the WPC Street Repairs Project to the WPC Bar Screen Project.
2. Do not award a contract at this time and do not move additional funds to cover the project.

CITY MANAGER'S RECOMMENDED ACTION:

The current screening equipment in the center channel is inoperable. Replacement with different equipment will improve the operation flexibility of the facility and provide needed redundancy. Additionally, the project includes improved handling methods for the removed screenings that should reduce maintenance problems in downstream processes.

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



August 2, 2017

Kris Evans, Environmental Engineer
Ames Water and Pollution Control
300 East 5th Street, Bldg. #1
Ames, Iowa 50010

**Re: City of Ames, Iowa
Water Pollution Control Facility
Screening System Improvements Project
HDR No. 10022280**

Dear Ms. Evans:

On July 26, 2017, the City of Ames received bids for construction of the Screening System Improvements. A single bid was received: Woodruff Construction \$755,300.00. Engineer's estimate is \$824,400.00. No exceptions were taken by the bidder and no irregularities were found in the bid tabulation.

HDR recommends that the City of Ames award a contract to Woodruff Construction in the amount of \$755,300.00.

Very truly yours,

HDR ENGINEERING, INC.

A handwritten signature in blue ink, appearing to read 'B. M. Bakke', written in a cursive style.

Brian M. Bakke, P.E.
Project Manager