

**COUNCIL ACTION FORM**

**SUBJECT: 2015/16 WATER SYSTEM IMPROVEMENTS PROGRAM #2 – WATER MAIN REPLACEMENT (SOUTH DUFF AVENUE)**

**BACKGROUND:**

The Water System Improvements program provides for replacing water mains across the City. **The location for water main replacement with this project is South Duff Avenue from South 5<sup>th</sup> Street to Lincoln Way.** This location was selected to eliminate the existing 4” water main with intentions to upsize the main, thus meeting system capacity, fire protection and reliability needs for the water main in this location. Water services will be transferred from the existing main to the proposed main and the 4” main will be abandoned. This will eliminate the maintenance repairs and breaks experienced on the existing water main, which has exceeded its operational life expectancy and capacity.

Staff has completed plans and specifications for this contract with a total estimated construction cost of \$374,467. Engineering and construction administration costs are estimated at \$56,170, bringing **total estimated costs for this project to \$430,637.**

The 2015/16 Water System Improvements program includes funding and expenses as shown in the following table:

<i>Program Funding Summary</i>	Location				
	Program #1 (Country Club Blvd)	Program #2 (\$ Duff Ave)	15/16 Asphalt St Pvmt Imprv (Wellons Dr)	15/16 Concrete Pvmt Imprv (N 2nd St)	
2015/16 Water System Improvements Program					
Water Utility Fund - Total Funding	\$ 975,000				
<b>Total Obligated Funding</b>	<b>\$ 916,600</b>	\$ 211,000.00	\$ 431,000.00	\$ 186,600.00	\$ 88,000.00
<i>Program Expense Summary</i>					
Engineering (estimated)	\$ 108,002.45	\$ 27,498.53	\$ 56,170.05	\$ 24,333.87	\$ -
Construction (estimated)	\$ 807,966.30	\$ 183,323.50	\$ 374,467.00	\$ 162,225.80	\$ 87,950.00
<b>Totals</b>	<b>\$ 915,968.75</b>	\$ 210,822.03	\$ 430,637.05	\$ 186,559.67	\$ 87,950.00

**ALTERNATIVES:**

1. Approve the plans and specifications for the FY 2015/16 Water System Improvements Program #2 (South Duff Avenue project) and establish October 5, 2016, as the date of letting and October 13, 2016, as the date for report of bids.
2. Do not approve this project.

## **MANAGER'S RECOMMENDED ACTION:**

Approving this project will make it possible to improve the reliability of the water system and to improve water quality for our citizens in this area. The locations for this program were selected to coordinate with street improvement projects scheduled in the same fiscal year that are also a high priority for water main replacement. By combining a street improvement project with a water main replacement project, the City typically sees a significant cost savings.

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

**It should be noted City staff has coordinated project development with the Iowa Department of Transportation, since the project is located within their jurisdictional limits of U.S. Highway 69. Through plan development, both agencies have agreed to allow the closure of only one lane of traffic at any one time during the day or night excluding morning and afternoon peak traffic times. Additionally, no lane closure will be allowed during any Iowa State University or City of Ames special events which may generate larger volumes of traffic on this corridor. Should the contract be awarded, the contractor will be allowed to begin work as early as this fall with a completion date of June 30, 2017. Although there is a large window of time to complete this project, it is estimated once a contractor does begin the project, work will be completed in 4-6 weeks (weather pending).**