


# COUNCIL COMMUNICATION

	Number:	<b>19-234</b>	Meeting:	<b>May 20, 2019</b>
	Agenda Item:	<b>7C</b>	Roll Call:	[ ]
	Submitted by:	<b>Jonathan A. Gano, P.E., Public Works Director and Steven L. Naber, P.E., City Engineer</b>		

## AGENDA HEADING:

Ordering construction of the following: Yeader Creek Stream Stabilization Improvements, Phase 2 - Receiving bids, (6-4-19), and Setting date of hearing, (7-15-19). Construction Estimate - \$3,111,000.

## SYNOPSIS:

Recommend the City Council proceed with construction of the improvement and set dates to receive bids and hold a public hearing, as required by Iowa Code, utilizing the method of financing referenced below. This project will stabilize the Yeader Creek channel in five (5) locations:

- West of Indianola Avenue to east of S.E. 14th Street
- From west of S.E. 14th Street to S.E. 5th Street
- Along a south tributary just west of S.E. 5th Street
- Along a south tributary north of Porter Avenue between South Union and S.E. 1st Court
- From 209 Kenyon Avenue to S.W. 5th Street

These channel locations were identified as proposed projects in the Easter Lake Water Quality Management Plan that was completed in 2012 in partnership with the Iowa Department of Natural Resources (IDNR) and Polk County. These channel locations were prioritized by the City of Des Moines, Polk County and the IDNR in the 2012 Easter Lake Water Quality Management plan as being necessary to improve the water quality in Easter Lake.

## FISCAL IMPACT:

Amount: \$3,111,000 City Engineer's Estimate

Funding Source: 2019-2020 CIP, Page Storm – 7, Easter Lake Watershed Improvements, SM061, Being: \$1,150,000 in SRF Sponsored Projects funding through Lower Oak Park and Highland Park Sewer Separation project (SRF# CS1920 781 01); anticipated \$549,450 IDNR Lake Restoration Funds; and the remaining \$1,411,550 in Storm Water Utility Funds.

## ADDITIONAL INFORMATION:

- The Engineering Department has prepared plans, specifications, form of contract documents, and City Engineer's estimate for the construction of the Yeader Creek Stream Stabilization Improvements, Phase 2, 08-2018-008. The improvement includes clearing & grubbing, excavation, grading of channel banks, storm sewer, placement of rip rap bank protection, fence, native seeding and urban seeding, and other incidental items; all work in accordance with the

contract documents, including Plan File Nos. 607-063/192, located along Yeader Creek in five (5) areas from west of Indianola Avenue to east of S.W. 9th Street.

- The estimated construction cost is \$3,111,000. The proposed plans, specifications, and form of contract documents are available for public inspection in the Des Moines City Engineer's Office.
- Phase I of the Yeader Creek Stream Stabilization Improvements was completed in 2017. Phase II completed the remaining Yeader Creek Projects identified in the 2012 Easter Lake Water Quality Management Plan. The primary purpose of this project is to reduce sediment loading to Easter Lake. Phase II includes construction of grade control structures/riffles to reduce water velocities, bend-way weirs, toe rock, live staking, and stabilization at several storm sewer outfall locations, all in an effort to reduce erosion.
- The City is utilizing the State Revolving Fund (SRF) loan program to finance several sewer separation projects including the Lower Oak Park – Highland Park Sewer Separation Project. SRF also has a sponsored projects program which allows the City to modify the loans taken out for the sewer separation project to fund storm water non-point source water quality projects. The loan modification will reallocate \$1,150,000 of the loan interest the City would have otherwise paid for the separation project to reimburse the City for construction expenses incurred on the Yeader Creek project.
- Construction of Phase II is anticipated to be completed in the fall of 2020.



**PREVIOUS COUNCIL ACTION(S): NONE**

**BOARD/COMMISSION ACTION(S): NONE**

**ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:**

Anticipated actions include public hearing, receive and file bids, designate lowest bidder, approval of contract and bond, partial payments to the contractor and final acceptance of work.

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