

ITEM #: 12
DATE: 11-12-24
DEPT: PW

COUNCIL ACTION FORM

SUBJECT: FY 2019/20 STORM WATER EROSION CONTROL PROGRAM (IOWAY CREEK - 6TH TO 13TH ST)

BACKGROUND:

The Storm Water Erosion Control program provides for stabilization of areas that have become eroded in streams, channels, swales, gullies, or drainage ways that are part of the stormwater system. **This program provides a more permanent control of the erosion and will reduce recurring maintenance costs in these areas.**

The location for this project is Ioway Creek from 6th Street to 13th Street through Brookside Park. The stream banks have continued to erode, threatening a shared use path along the west stream bank and neighboring residential properties on the east bluff. The project will relocate 500' of the creek away from the eroding east slope providing a flatter and more stable slope, add a water quality oxbow treatment, stabilize stream banks, and improve proper stream flow functioning. The site will be revegetated with native landscaping including trees and shrubs on the east slope.

Staff has completed plans and specifications for this contract. The estimated construction cost is \$1,549,153 for the base bid for stabilization of the east bank and relocation of the creek between the two pedestrian bridges. There are two add alternates: a north add alternate with a construction cost estimate of \$97,600 for in-stream work between 13th Street and the northern pedestrian bridge, and a south add alternate with a construction cost estimate of \$212,200 for in-stream work from 6th Street to the southern pedestrian bridge.

The base bid is the minimum needed to realign the creek so that the failing east stream bank is stabilized, while the alternates are preferred to provide additional stream stability upstream and downstream of the critical section. The alternates are not included in the base bid because if construction bids come in above the engineering cost estimate and funding available, the essential part of the project can move forward without the need to rebid the project and risk losing the IFA Water Infrastructure Funding, which requires that a construction contract be executed by December 31, 2024.

FUNDING SOURCE	AVAILABLE REVENUE	ESTIMATED EXPENSES
FY 2019/20 Stormwater Erosion Control Program (Stormwater Utility Fund)	\$432,000	
State Revolving Fund	\$300,000	
IDALS Water Quality Initiative	\$100,000	
IFA Water Infrastructure Fund	\$500,000	
Previous CIP Savings (Stormwater Utility Fund)	\$736,000	
Anonymous Donation	\$ 90,000	

Construction (Base Bid)		\$ 1,549,153
Construction (Add Alternate North)		\$ 97,600
Construction (Add Alternate South)		\$ 212,200
Engineering/Administration		\$ 250,000
Total	<u>\$ 2,158,000</u>	\$ 2,108,953

Construction is planned for 2025, starting no earlier than April 1.

PUBLIC OUTREACH:

Three outreach meetings were held in 2021 to receive property owner, stakeholder and public feedback. Staff, consultants, and outside experts (IDNR) reviewed the feedback and then prepared and presented a second alternative design to the public through three more public meetings in spring 2022.

In addition, over the last two years, staff has had ongoing discussions with the adjoining property owners as part of the easement acquisition process. At this time, six property owners have granted the necessary permanent and temporary construction easements and the seventh property owner is in the negotiation process. Staff expects to have the last easement finalized prior to award of the contract.

Project progress was slowed due to conflicting construction timing requirements relating to two species of concern: the Indiana Bat and the Rusty Patched Bumble Bee. The U.S. Fish and Wildlife Service determined that construction timing should avoid the winter bee nesting period.

A final public meeting was held on October 9, 2024 to present 90% design plans and the upcoming construction schedule with a favorable response from the public. Outreach will continue prior to and during construction through various methods including signage in the park and social media to inform the public of the project schedule.

ALTERNATIVES:

1. Approve the plans and specifications for the 2019/20 Storm Water Erosion Control (Ioway Creek at Brookside) project, setting December 4, 2024 as the bid due date and December 10, 2024 as the date of the Public Hearing.
2. Direct staff to revise the project.

CITY MANAGER'S RECOMMENDED ACTION:

Approving these plans and specifications will stabilize the stream banks, restore stream function of Ioway Creek, and protect storm sewer and pedestrian infrastructure within Brookside Park. Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1, as described above.

ATTACHMENT(S):

[Ioway Creek Brookside A.03.pdf](#)