

City of Fayetteville Staff Review Form

2020-0385

Legistar File ID

5/19/2020

City Council Meeting Date - Agenda Item Only
N/A for Non-Agenda Item

Tim Nyander

5/1/2020

WASTEWATER TREATMENT (730)

Submitted By

Submitted Date

Division / Department

Action Recommendation:

Staff recommends the approval of a maintenance agreement with the Watershed Conservation Resource Center (WCRC) for streambank restoration projects on the White River and Niokaska Creek in an amount not to exceed \$60,000.00, and approval of a project contingency in the amount of \$9,000.00.

Budget Impact:

5400.730.5800-5818.00	Water and Sewer
Account Number	Fund
13018.1	Wastewater Treatment/Water Quality Improvements
Project Number	Project Title
Budgeted Item? <u>Yes</u>	Current Budget \$ 914,641.00
	Funds Obligated \$ 60,321.95
	Current Balance \$ 854,319.05
Does item have a cost? <u>Yes</u>	Item Cost \$ 69,000.00
Budget Adjustment Attached? <u>No</u>	Budget Adjustment \$ -
	Remaining Budget \$ 785,319.05

V20180321

Purchase Order Number: _____

Previous Ordinance or Resolution # _____

Change Order Number: _____

Approval Date: _____

Original Contract Number: _____

Comments:



MEETING OF MAY 19, 2020

TO: Mayor and City Council

THRU: Susan Norton, Chief of Staff

FROM: Tim Nyander, Utilities Director

DATE: May 1, 2020

SUBJECT: Annual Maintenance Task Order for Streambank Restoration

RECOMMENDATION:

Staff recommends the approval of a maintenance agreement with the Watershed Conservation Resource Center (WCRC) for streambank restoration projects on the White River and Niokaska Creek in an amount not to exceed \$60,000.00, and approval of a project contingency in the amount of \$9,000.00.

BACKGROUND:

The WCRC performed four riverbank restoration projects for the Utility. Two are located on the White River, one is located on Niokaska Creek, and one is located on the West Fork of the White River.

DISCUSSION:

The WCRC will perform ongoing maintenance on three of these sites, targeted to maintain and improve the long-term functionality of the riverbank restoration projects that were implemented utilizing Utilities Department funding. These services include two major components:

(1) Riverbank restoration maintenance activities that help to create long-term stability:

- ✓ Minor hand repairs of structural components of the restoration
- ✓ Removal of unintended gravel deposition within the project site
- ✓ Repair of soil mattresses.

(2) Vegetation Management:

- ✓ Irrigation of vegetation during summer months
- ✓ Removal of invasive vegetation
- ✓ Planting additional native plants to enhance vegetation density and increase riverbank roughness

Repair of damage to the projects resulting from large infrequent flood events are generally not covered under this agreement and will be addressed under supplemental agreements.

The City also intends on removing the Pump Station Dam in the future. Pre-implementation planning and coordination will be required in order to develop a comprehensive plan for removing the dam and restoring the river both upstream and downstream of the dam. This agreement will provide funding to allow the WCRC to utilize their expertise to assist with the planning process, which include coordination and planning for backwater sediment sampling and developing a bid request package for biological sampling of the pre-restoration conditions above and below the dam site.

BUDGET/STAFF IMPACT:

Funds are available in the Wastewater Treatment/Water Quality Improvements account within the Water and Sewer Fund.

Attachments:

Task Order No. 5

TASK ORDER NO. 5

VEGETATION AND CHANNEL STABILITY ESTABLISHMENT AT
FAYETTEVILLE UTILITIES DEPARTMENT FUNDED STREAM AND
RIVER RESTORATION PROJECT SITES

STATE OF ARKANSAS

COUNTY OF WASHINGTON

This Task Order is written pursuant to the Memorandum of Understanding (MOU) as described in Ordinance No. 6141 executed on January 3, 2019. The referenced MOU pertains to stream restoration projects and associated services with the Watershed Conservation Resource Center (WCRC). This Task Order entered into and executed on the date indicated below the signature block by and between the City of Fayetteville (City) and WCRC sets forth the project description, schedule and associated fees for services related to maintaining and tending to stream and river restoration projects that were implemented using a combination of Utilities Department and grant-based funds and provide assistance for planning future restoration projects.

Section I - Project Description

This project consists of ongoing maintenance of two riverbank restorations and one stream restoration whose original implementation was funded, in-part, with the City's Utilities Department or the site provides protection of critical civil infrastructure. This Task Order will establish a framework to provide continued project establishment funds to support the work performed on riverbanks on the White River at the Noland Wastewater Treatment Plant and a former bio-solids application site. A restoration site at Sweetbriar Park that protects a high-pressure main and park property from erosion will also be maintained through this task order. To date, implementation of the two projects on the White River have resulted in the prevention of 34,000 lb of Total Phosphorus from entering the regions drinking water supply source. Establishing and fostering a high-density riparian zone consisting of native vegetation is critical in creating riverbank restoration projects that will, upon maturity of the vegetation, be able to withstand the power of future flood events. Also, minor repairs need to be occasionally conducted to prevent cumulative degradation of the restoration projects. This agreement will provide funding to the WCRC to conduct activities that help to continue to establish healthy, native vegetation and riverbank stability in order to protect the investment that the City has made to improve water quality, habitat, and recreational value of these sites. The City also intends on removing the Pump Station Dam in the future. Pre-implementation planning and coordination will be required in order to develop a comprehensive plan for removing the dam and restoring the river both upstream and downstream of the dam. This agreement will provide funding to allow the WCRC to utilize their expertise to assist with the planning process.

Section II - Project Timeframe

The WCRC will conduct the work from May 20, 2020 to May 19, 2021.

Section III - Scope of Services

The WCRC will perform services to maintain and improve the long-term functionality of the riverbank restoration projects on the White River that were implemented utilizing Utilities Department Funding. These services include two major components: 1) maintenance activities that help to create long-term stability and 2) vegetation management. Riverbank restoration maintenance activities include but will not be limited to a) minor hand repairs of structural components of the restoration b) removal of unintended gravel deposition within the project site and c) repair of soil mattresses. Vegetation management activities include but are not limited to a) irrigation of vegetation during summer months b) removal of invasive vegetation and c) planting additional native plants to enhance vegetation density and increase riverbank roughness. These funds are intended to cover costs associated with minor and routine maintenance of the sites. Repair of damage to the projects resulting from large infrequent flood events are generally not covered under this agreement and will be addressed under supplemental agreements. But, if necessary, these funds can be used towards major repairs. In addition to the activities listed above, this task order also allows the WCRC to provide professional services related to planning and assistance in executing various tasks associated with the Pump Station Dam removal pre-implementation phase of work. Example activities include coordination and planning for backwater sediment sampling and developing a bid request package for biological sampling of the pre-restoration conditions above and below the dam site.

Section IV - Fees and Payments

WCRC will perform the above-referenced Scope of Services amounts not to exceed \$60,000.

Section V - Memorandum of Understanding in Effect

Except as amended specifically herein, the Memorandum of Understanding Fayetteville shall remain in full force as originally approved.

IN WITNESS WHEREOF, the parties hereto have caused this TASK ORDER to be duly executed as of the date and year first herein written.

FOR THE CITY OF FAYETTEVILLE

By: _____
Mayor Lioneld Jordan

Attest: _____
Kara Paxton, City Clerk

Date: _____

FOR WATERSHED CONSERVATION RESOUCE CENTER

By: Sandi Formica
Sandi Formica

Attest: [Signature]

Date: May 1, 2020