

CITY COUNCIL AGENDA ITEM

ACTION REQUESTED:

Approve the Award of Procurement 17-129, South Central Interceptor Sewer Hardening and Protection Engineering Design – Phase II, to Strand Associates for an amount not to exceed \$233,320.

DEPARTMENT: Water Utilities

SUBMITTED BY: Jim Holzapfel, Water Utilities Director

BOARD/COMMISSION REVIEW:

N/A

BACKGROUND:

In 2016, the Water Utilities issued RFP 16-339 seeking the services of an engineering firm to survey, evaluate and provide recommendations as well as concept level cost estimates to harden, protect and preserve the long term integrity of the South Central Interceptor Sewer located along the east shoreline of the West Branch of the DuPage River. As part of the RFP, the City has the option to utilize the services of the successful vendor for future phases. Strand Associates (Strand) was awarded the contract for Phase I, which will be completed by May 31, 2017.

DISCUSSION:

Strand performed well in Phase I. Staff recommends the City exercise its right to retain the services of Strand for Phase II of the project. For Phase II, Strand agreed to maintain the same project manager and hourly rates as Phase I.

Phase II of the South Central Interceptor Sewer Project will consist of the following consulting services:

- a) Provide field survey, tree inventory and hydraulic modeling services.
- b) Perform design analysis for the sewer hardening and streambank stabilization.
- c) Prepare and submit permit applications to the various regulatory agencies.
- d) Prepare engineering plans and contract documents to bid the construction portion of the project.

Staff recommends retaining Strand Associates for Phase II to maintain project continuity and efficiency. Pending satisfactory completion of Phase 2 design work, staff plans to utilize the same consultant for Phase 3 Construction Services and Multi-year monitoring of the wetland restoration. Staff will be returning to City Council with proposals for these services in late 2017 or early 2018.

FISCAL IMPACT:

CIP #: WWU06

WWU06 – Sanitary Sewer System Rehab/Replacement-Interceptors/Trunk

WWU06 is an ongoing investigation and rehabilitation of deteriorated sanitary interceptor, trunk, mainline and service lateral sewers in areas known to have significant groundwater infiltration. The project uses trenchless technology on a system-wide basis and aims to preserve existing sanitary sewer infrastructure.

The South Central Interceptor Sewer Hardening and Protection Engineering Design – Phase II is expensed to the Capital Improvement Program line below. A total of \$3,632,500 is budgeted for WWU06 Sanitary Sewer System – Rehabilitation in CY2017. The requested award is within budget.

Account Number	Fund Description	Budget Amount
430-3490-537.70-89	Water & Wastewater Fund	\$8,852,500

CITY COUNCIL AGENDA ITEM

ACTION REQUESTED:

Approve the award of Change Order #1 to Contract 17-129, South Central Interceptor Sewer Hardening and Protection Engineering Design-Phase II, to Strand Associates for an amount not to exceed \$42,904 and a total award of \$276,224

DEPARTMENT: Water Utilities

SUBMITTED BY: James Holzapfel, Director

BOARD/COMMISSION REVIEW:

N/A

BACKGROUND:

Between 75th Street and Santa Maria Drive, the City owns and maintains a 7,000-foot segment of 36-inch to 42-inch sanitary sewer interceptor pipe along the eastern shore of the West Branch of the DuPage River. Due to proximity of this interceptor to the river, erosion of the shoreline exposed the pipe and threatens the sewer's integrity.

In 2016, City Council began a process of addressing erosion issues to protect the interceptor sewer, awarding Contract 17-129 to Strand Associates for the engineering design phase of the South Central Sewer Hardening and Protection Project. The value of the original contract is \$233,320.

DISCUSSION:

Design of the project is 95% complete and currently under review by the County of DuPage, US Army Corps of Engineers, Forest Preserve of DuPage County and Naperville Park District. Related to the review process, several tasks have fallen outside the consultant's approved scope of services outlined in the contract. These unanticipated tasks include:

- a) Extensive preparation to submit for funding assistance through the County of DuPage Water Quality Improvement Program.
- b) Presentations of the project to governing boards of the Naperville Park District and DuPage County Forest Preserve.
- c) Additional meetings with agency staff and further board presentations to guide the project through the permitting process.
- d) Additional hydraulic modeling as required by DuPage County review comments. As a note, this level of modeling was not articulated in the pre-application meeting with DuPage County.

To complete the design phase of the project as originally intended, staff recommends approval of Change Order 1 in an amount not to exceed \$42,904 and a total award of \$276,224.

FISCAL IMPACT:

CIP # WWU06 – Sanitary Sewer System Rehab/Replacement-Interceptors/Trunk

Engineering design for the South-Central Interceptor Sewer Hardening and Protection contract is expensed to the infrastructure account listed below. A total of \$5,632,500 is budgeted for WWU06 in CY2018. The requested award is within budget.

Account Number	Fund Description	Budget Amount
41251500-551502	Water & Wastewater Fund	\$10,567,500