



City of Norman, OK

Municipal Building
Council Chambers
201 West Gray
Norman, OK 73069

Master

File Number: K-1718-64

File ID: K-1718-64

Type: Contract

Status: Consent Item

Version: 1

Reference: Item 12

In Control: City Council

Department: Public Works
Department

Cost: \$158,644.00

File Created: 06/07/2018

File Name: St. James Storm Sewer Pipe Rehabilitation

Final Action:

Title: CONSIDERATION OF AWARDING BID 1718-70, APPROVAL OF CONTRACT K-1718-64 WITH INSITUFORM IN THE AMOUNT OF \$158,644; PERFORMANCE BOND B-1718-33, STATUTORY BOND B-1718-34, MAINTENANCE BOND MB-1718-21 FOR THE ST. JAMES PARK SECTION 5 ADDITION 48-INCH REINFORCED CONCRETE PIPE STORM SEWER PIPE REHABILITATION PROJECT AND RESOLUTION R-1718-11 GRANTING TAX EXEMPT STATUS.

Notes: ACTION NEEDED: Motion to accept or reject all bids meeting specifications; and, if accepted, award the bid in the amount of \$158,644 to Insituform as the lowest and best bidder meeting specifications; approve Contract K-1718-64 and the performance, statutory, and maintenance bonds; authorize execution of the contract and bonds; direct the filing of the bonds; and adopt Resolution R-1718-11.

ACTION TAKEN: _____

Agenda Date: 06/26/2018

Agenda Number: 12

Attachments: Recommendation of Award, St James Park Pipe Rehab Location Map, K-1718-64, Performance Bond, Statutory Bond, Maintenance Bond, Requisition for St James Contract

Project Manager: Carrie Evenson, Stormwater Engineer

Entered by: amy.shepard@normanok.gov

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
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Text of Legislative File K-1718-64

Body

BACKGROUND:

The project involves cured-in-place-pipe repairs to approximately 364 linear feet of a 48" reinforced concrete pipe (RCP), which is located beneath a detention pond in the St. James Park Section 5 Addition. The existing RCP has leaking pipe joints and cracks that have caused the pond to be drained. Attempts have been made to fix specific locations along this length of pipe in the past, only to have it occur elsewhere along the length of the pipe. The pipe and detention pond were constructed in 2004 by the private developer of St. James Park Addition.

According to the drainage report for St. James Park Section 3 prepared by Carter-Burgess Engineering for the developer, the 48" RCP was designed to carry the 2 to 10 year storms to the creek to the east of the development, and concrete overflow flumes were constructed to carry the 25-year, 50-year, and 100-year storms to the detention pond. This was part of a drainage solution for both St James Park Section 3 and Cedar Lake Estates in 2004.

DISCUSSION:

In order to complete this project in a timely manner, it is necessary to use private contracting services. On November 9, 2017, using the Agreement for On-Call Engineering Services between City of Norman/Norman Utilities Authority and Garver, LLC (Contract K-0910-54), Garver, LLC, was authorized to prepare conceptual cost estimates and exhibits to determine which of three options would be the most feasible improvement option for repair to the 48" RCP: (1) remove and replace in the existing alignment, (2) design a new pipe alignment to the south around the detention pond, or (3) use a cured-in-place-pipe method to reline the existing pipe. The cured-in-place-pipe method used to reline existing pipe involves inserting a resin-impregnated tube into the pipe then expanding the tube using steam. Once the tube is expanded to the limits of the existing pipe, it is allowed to cure and will harden and provide a new, watertight pipe within the existing pipe. This allows a pipe to be repaired without the time, expense, and disturbance to property involved in digging up and disposing of the existing pipe and replacing it with a new one. Based on Garver's report, the cured-in-place-pipe method was selected, and Garver then prepared a final design and bid documents for this project.

The bid opening was conducted on May 31, 2018, and two (2) contractors submitted bids. The Engineer's Estimate is \$137,400.00. The lowest bid in the amount of \$158,644.00, submitted by Insituform is \$21,244.00 (15% percent) above the estimate. The average of the two (2) bids is \$168,952.00. If approved, construction will begin on these projects in July 2018 and will be completed prior to September 2018.

If approved, funding for Contract K-1718-64 in the amount of \$158,644 is available in Storm Drainage Projects, Construction (account 050-9968-431.61-01; project DR0057). This is an ongoing annual Capital Budget Stormwater program to address smaller stormwater drainage problems around the city as they are discovered, which includes projects such as this.

RECOMMENDATION 1:

Staff has reviewed the bids and recommends that Bid No. 1718-70 for the St. James Park Section 5 Addition 48" RCP Storm Sewer Pipe Rehabilitation, be awarded to the low bidder, Insituform, in the amount of \$158,644.

RECOMMENDATION 2:

Staff further recommends that, upon approval of Bid No. 1718-70, the following contract and bonds be approved:

- Contract K-1718-64
- Performance Bond B-1718-33
- Statutory Bond B-1718-34
- Maintenance Bond MB-1718-21

RECOMMENDATION 3:

Staff further recommends that, upon approval of Contract K-1718-64, Resolution R-1718-11 be adopted, authorizing Insituform as project agent to avoid the payment of sales tax on the purchase of materials for the project.