



Legislation Text

File #: 21-0272, Version: 1

CITY COUNCIL AGENDA ITEM

ACTION REQUESTED:

Approve the award of Bid 21-013, 2021 Sanitary Sewer Smoke Testing Tributaries of North Wastewater Pump Station, to RJN Group Inc. for an amount not to exceed \$159,905.84 plus a 5% contingency

DEPARTMENT: Water Utilities

SUBMITTED BY: Darrell Blenniss, Director

BOARD/COMMISSION REVIEW:

N/A

BACKGROUND:

The objective of the smoke testing program is to identify defects in the sanitary sewer system. Smoke testing is a relatively simple process consisting of blowing smoke mixed with large volumes of air into the sanitary sewer lines usually induced through the manholes. The smoke travels the path of least resistance and quickly shows at areas that allow surface water to inflow into the sanitary sewer system. The smoke will identify broken manholes, improper connections including roof drains, sump pumps, storm sewer connections, yard drains, uncapped lateral lines and even will show cracked mains and laterals. If the pipeline has openings leading to the surface or a storm sewer, the smoke will follow the pathway and be visible at ground level. The program is part of Naperville's ongoing effort to identify sources of rainfall derived infiltration and inflow (RDII) in areas experiencing elevated flow during wet weather events.

The Water Utilities issued Bid 21-013 seeking a qualified contractor to provide smoke testing of approximately 146,968 linear feet of existing 6-24" diameter sanitary sewer pipelines.

DISCUSSION:

The areas targeted for the project are located north of Ogden Ave., south of Warrenville Road, east of Naper Blvd. and west of Heatherton Dr., including Naperville Heights, Saybrook and part of Cress Creek subdivisions. The Sanitary Smoke Testing Program is part of the Water Utilities IEPA required 10-Year Infiltration and Inflow Reduction program.

Advertisement Date: 1/29/2021	Notices Sent: 159
Opening Date: 2/16/2021	Planholders: 6
	Bids Received: 2

Bids were received from the following vendors:

Vendor	Unit Price	Bid Amount
RJN Group, Inc.	\$1.10	\$161,664.80
Engineer's Estimate	\$1.09	\$160,195.12
Burns & McDonnell	\$1.15	\$169,013.20

Through staff negotiations, the RJN Group agreed to reduce their bid amount by 1.1%, to be consistent with the engineer's estimate, for a total cost of \$159,905.84. Water Utilities recommends RJN Group, Inc. for the award.

The completion date of the contract is October 31, 2021.

FISCAL IMPACT:

CIP: N/A

Smoke testing is expensed to the architect and engineering services account listed below. A total of \$250,000 is budgeted for sewer system evaluations in 2021. The requested award is within budget.

Account Number	Fund Description	Total Budget Amount
41251520-531301	Water & Wastewater	\$400,000

Per Council directive, contingency on construction projects is set at 3% on projects over \$500,000 and 5% on projects under \$500,000.