



Legislation Text

File #: 21-0811, Version: 1

CITY COUNCIL AGENDA ITEM

ACTION REQUESTED:

Approve the award of Bid 21-017, 2021 Sanitary Sewer Manhole Rehabilitation, to Spectra Tech, LLC for an amount not to exceed \$182,680, plus a 5% contingency

DEPARTMENT: Water Utilities

SUBMITTED BY: Darrell Blenniss, Director

BOARD/COMMISSION REVIEW:

N/A

BACKGROUND:

The Sanitary Sewer Manhole Rehabilitation program began in 2000. The program is part of the following requirements:

- Illinois Environmental Protection Agency (IEPA) required Capacity, Management, Operations and Maintenance (CMOM) plan
- Ten-year Infiltration and Inflow Reduction Program under Naperville's National Pollutant Discharge Elimination System (NPDES) permit IL0034061

Naperville's proactive approach to combating infiltration and inflow (I&I) into the sanitary sewer system yielded positive results. Since 1998, the population of Naperville increased by roughly 30,000 people or about 20%. However, the average amount of water treated at the Springbrook Water Reclamation Center decreased by roughly 18% <<https://data.naperville.il.us/City-Services/Springbrook-Water-Reclamation-Center-Average-Daily/ykaz-gn83>> over the same period.

The Water Utilities issued Bid 21-017 seeking a contractor to rehabilitate 50 existing sanitary sewer manholes, most of which are old brick or concrete block manholes. The bid specifications require installation of a non-cementitious coating to all interior surfaces including channel, bench, barrel, cone and chimney sections of the manhole. Over the past 20 years, the specified coating product has withstood winter freeze-thaw cycles without cracking. The no-dig process creates a manhole liner that seals out stormwater induced infiltration and ground water inflow. The majority of manholes included in the bid are located in the downtown and college areas.

DISCUSSION:

Advertisement Date: 6/07/2021

Bid Opening Date: 6/22/2021

Notices Sent: 92

Plan holders: 15

Bids Received: 3

Bids were received from the following vendors:

VENDOR NAME	PROPOSED COST
Spectra Tech LLC	\$182,680.00
<i>Engineer's Estimate</i>	<i>\$195,550.00</i>
Michels Corporation	\$218,857.75
KIM Construction Company	\$323,430.00

Staff believes the bid is reasonable for performing the work as specified. Water Utilities tested the products used by Spectra Tech, LLC and found them to be a capable contractor.

FISCAL IMPACT:

CIP: WW006

Manhole rehabilitations are expensed to the infrastructure account listed below as part of the capital improvement program. A total of \$5,930,000 is budgeted for sanitary sewer system rehabilitations in 2021. The requested award is within budget.

Account Number	Fund Description	Total Budget Amount
41251500-551502	Water Utilities	\$26,743,950

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