



Legislation Text

File #: 21-0550, Version: 1

CITY COUNCIL AGENDA ITEM

ACTION REQUESTED:

Approve the award of Bid 21-152, 2021 Small Diameter CIPP Sanitary Sewer Main Lining, to Visu-sewer Clean and Seal, Inc. for an amount not to exceed \$597,685.30, plus a 3% contingency

DEPARTMENT: Water Utilities

SUBMITTED BY: Darrell Blenniss, Director

BOARD/COMMISSION REVIEW:

N/A

BACKGROUND:

The Water Utilities' 2021 capital improvement plan (CIP) includes rehabilitation of approximately 50 manholes, 17,053 linear feet of sanitary main/trunk sewers, and 150 sewer service laterals. The primary focus of these projects is to reduce the leakage of groundwater and surface water into the system. The sanitary sewer main lining program is part of the Water Utilities' IEPA required CMOM (capacity, management, operation and maintenance) plan and IEPA required ten-year infiltration and inflow reduction program under Naperville's NPDES permit IL0034061.

The Water Utilities issued Bid 21-152, seeking a contract to rehabilitate 14,405 linear feet of eight-inch, ten-inch, and 12-inch diameter sanitary sewer pipeline located in the Brookdale area along with the rehabilitation of the Edgewater siphon. The upstream and downstream manhole structures of this siphon and the riser pipes will also be rehabilitated.

Sanitary sewer lining is a major component of the city's strategy to reduce system leaks associated with storm water infiltration through pipe cracks and fissures, which reduces sanitary system capacity during wet weather events. Lining the sewer provides seamless, leak-free pipes and maintains structural integrity for approximately 50 years. Reducing leaks and preserving system capacity also helps reduce the number and severity of sanitary sewer backups. The contractor will use no-dig lining technology to reduce cost and disruption to the community.

To secure the lowest possible pricing, the bid specified two competing lining technologies: glass reinforced plastic (GRP) and cured-in-place thermosetting resin pipe (CIPP).

DISCUSSION:

Advertisement Date: 4/19/2021

Opening Date: 5/05/2021

Notices Sent: 180

Planholders: 14

Proposals Received: 4

Bids were received from the following vendors:

Vendor	Bid Amount	Technology Specified
Visu-sewer Clean & Seal, Inc	\$597,685.30	Steam Cured CIPP
<i>Engineer's Estimate</i>	\$648,700.00	
Michels Corporation	\$684,622.00	Steam Cured CIPP
Hoerr Construction	\$747,683.00	Steam Cured CIPP
Benchmark Construction	\$1,133,002.50	Steam Cured CIPP

Although the bid allowed vendors to use CIPP or GRP methods for pipe lining, all four bidders submitted bids to rehabilitate the pipe using CIPP lining technology. Visu-sewer Clean and Seal, Inc. is the lowest responsive and responsible bidder. The engineer's estimate was calculated based on previous unit prices for CIPP work.

The completion date of this contract is December 1, 2021.

FISCAL IMPACT:

CIP: WW006

Rehabilitation and replacements within the sanitary sewer system are expensed to the infrastructure account listed below as part of the capital improvement program. A total of \$5,930,000 is budgeted for WW006 in 2021. The requested award is within budget.

Account Number	Fund Description	Total Budget Amount
41251500-551502	Water and Wastewater	\$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.