



Legislation Text

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File #: 20-607, Version: 1

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**CITY COUNCIL AGENDA ITEM**

**ACTION REQUESTED:**

Approve the award of Bid 20-184, 2020 Small Diameter Cured-in-Place Pipe (CIPP) Sanitary Sewer Main Lining, to Michels Corporation for an amount not to exceed \$655,891.50, plus a 3% contingency

**DEPARTMENT:** Water Utilities

**SUBMITTED BY:** Darrell Blenniss, Director

**BOARD/COMMISSION REVIEW:**

N/A

**BACKGROUND:**

The Water Utilities' 2020 capital improvement plan includes rehabilitation of approximately 47 manholes, 19,538 linear feet of sanitary main/trunk sewers and 150 sewer service laterals. The primary focus of the projects is to reduce infiltration and inflow, which is leakage of groundwater and surface water into the system. The sanitary sewer main lining program is part of the Water Utilities' required IEPA CMOM (capacity, management, operation and maintenance) plan and IEPA required 10-year infiltration and inflow reduction program under Naperville's NPDES permit IL0034061.

The Water Utilities issued Bid 20-184 seeking a contractor to rehabilitate 17,538 feet of eight-inch, ten-inch, 12-inch and 15-inch diameter sanitary sewer pipeline located in the Brookdale subdivision. The contractor will use no-dig lining technology to reduce cost and disruption to the community. 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.

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: 05/04/2020

Notices Sent: 98

Opening Date: 05/20/2020

Planholders: 10

Proposals Received: 4

Bids were received from the following vendors:

Vendor	Bid Amount	Technology Specified
<b>Michels Corporation</b>	<b>\$655,891.50</b>	Steam Cured CIPP
Hoerr Construction	\$675,784.00	Steam Cured CIPP
Visu-sewer Clean & Seal, Inc.	\$691,957.60	Steam Cured CIPP
<i>Engineer's Estimate</i>	<i>\$716,515.00</i>	<i>Steam Cured CIPP</i>
Insituform Technologies USA, LLC	\$721,529.90	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. Michels Corporation is the lowest responsive and responsible bidder. The engineer's estimate was calculated based on previous unit prices for CIPP work.

**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 \$4,610,000 is budgeted for WW006 in 2020. The requested award is within budget.

Account Number	Fund Description	Total Budget Amount
41251500-551502	Water and Wastewater	\$12,119,788

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