



Legislation Details (With Text)

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On agenda: 5/4/2021 **Final action:** 5/4/2021
Title: Approve the award of Bid 21-018, Sanitary Sewer Manhole Upper Structure Lining, to Performance Pipelining Inc., for an amount not to exceed \$266,104, plus a 5% contingency

Sponsors:

Indexes:

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Attachments: 1. WW006

Date	Ver.	Action By	Action	Result
5/4/2021	1	City Council	approved	

CITY COUNCIL AGENDA ITEM

ACTION REQUESTED:

Approve the award of Bid 21-018, Sanitary Sewer Manhole Upper Structure Lining, to Performance Pipelining Inc., for an amount not to exceed \$266,104, plus a 5% contingency

DEPARTMENT: Water Utilities

SUBMITTED BY: Darrell Blenniss, Director

BOARD/COMMISSION REVIEW:

N/A

BACKGROUND:

The Water Utilities 2021 capital project plan includes the rehabilitation of approximately 200 manholes, 14,405 linear feet of mainline sewers, and 168 sewer service laterals. The primary focus of these projects is to reduce infiltration and inflow, which is leakage of groundwater and surface water into the system. The sanitary sewer manhole upper structure program is part of the Water Utilities required Capacity, Management, Operation and Maintenance (CMOM) plan and IEPA required ten-year Infiltration and Inflow Reduction Program under Naperville's NPDES permit IL0034061.

In 2017 and 2018, the Water Utilities conducted sanitary sewer smoke testing projects which identified numerous manholes with upper structure leaks that must be repaired. The proposed rehabilitation system is a cured-in-place liner, which is similar to pipeline linings installed over the past three decades throughout the sewer system. The finished product adheres to the original manhole wall, forming a seamless liner and sealing leaks. The liner is also a fully structural rehabilitation, which can withstand the stresses of winter freeze-thaw cycles and impacts from vehicles which degrades the structure and creates openings. Rainwater entering the sewer system

