



Legislation Text

File #: 19-530, **Version:** 1

CITY COUNCIL AGENDA ITEM

ACTION REQUESTED:

Approve the award of Bid 19-060, Storm Sewer Rehabilitation (8"-30") Cured-In-Place Pipelining (C-I-P-P), to Hoerr Construction Inc. for an amount not to exceed \$739,710, plus a 3% contingency

DEPARTMENT: Department of Public Works

SUBMITTED BY: Richard Dublinski, Director

BOARD/COMMISSION REVIEW:

N/A

BACKGROUND:

The Department of Public Works maintains the City's system of storm sewers. Storm sewers have a functional lifespan of approximately 75 years. As a storm sewer ages, the pipe develops cracks caused by material degradation, soil settlement, root intrusion and/or adjacent construction. When a segment of storm sewer approaches the end of its useful life, the extent and severity of pipe degradation results in a high probability for pipe/system failure. Pipe failure may cause sinkholes in roadway surfaces and may also result in flooding of homes, businesses and/or public rights-of-way. The City has relined approximately 200,000 linear feet of pipe since the inception of the Storm Sewer Lining Program (SW017) in 2004, which has led to a reduction in localized flooding and related complaints.

In 2019, DPW established CIP SW037, Corrugated Metal Pipes (CMP) Repair and Replacement Program. This multi-year program will evaluate the condition and identify solutions to maintain the City's CMP pipe within its stormwater infrastructure. There are twelve and a half miles of existing CMP at 778 different locations, averaging over 30 years of age and ranging from 10 to 60 inches in diameter.

DPW and the Water Utilities both have lining programs. The programs are bid separately because the location and size of the pipe is different enough to affect pricing. The majority of DPW's storm water system is in the right-of-way, while the Water Utilities has substantially more pipe being lined in resident's yards, making it more difficult to perform the work.

DISCUSSION:

Advertisement Date:	05/07/2019	Notices Sent:	146
Opening Date:	05/22/2019	Planholders:	12
		Proposals Received:	5

Bids were received from the following vendors:

Vendor Name	Base Bid Cost (Storm Sewer)	Option 1 (Oleson CMP)	Option 2 (Hobson CMP)
Hoerr Construction	\$650,466	\$45,024	\$44,220
Michels Corporation	\$752,794.75	\$75, 040	\$75,250
Visu-Sewer Clean and Seal	\$771,343.25	\$76,608	\$76,450
Kenny Construction	\$928,072	\$25,872	\$25,410
Insituform Technologies	\$957,180	\$65, 542.40	\$65,098

The scope of work under this contract includes the rehabilitation of approximately 13,900 feet of storm sewer ranging from 8 inches to 30 inches in diameter by installation of cured-in-place-pipelining (CIPP) as well as the cleaning and televising of the storm sewer. In 2019, work will be completed in grids 113, 114, 128, and 129 (West Highlands) as well as single run repair sections in other grids.

The bid also includes two optional projects for the lining of culverts on Oleson Drive and Hobson Mill Drive. This rehabilitation program will improve the conductive capacity and extend the useful lifespan of the existing storm sewer system.

Also included in the specification was lining of the double culverts.

Staff recommends awarding the total base bid plus two options to Hoerr Construction Inc.

The term of the contract is from date of award through December 5, 2019, with two one-year options available.

FISCAL IMPACT:

CIP #: SW017, Storm Sewer Lining Program

SW037, Corrugated Metal Pipes (CMP) Repair and Replacement Program

SW034, Hobson Mill Drive Culvert Replacement

Storm Sewer Rehabilitation CIPP is expensed to the infrastructure account listed below. This work is related to SW017, Storm Sewer Lining Program, for which \$600,000 has been budgeted in 2019. The cost for the CIPP lining is \$650,466, which exceeds the budgeted amount for this expense. The additional funding needed will be available through savings in the other storm water system maintenance CIP projects, SW001 (Annual Stormwater Management Projects) and SW026 (Stormwater System Upgrade and Improvement Program).

This work is also related to SW037, Corrugated Metal Pipes Repair and Replacement Program, for

which \$180,000 has been budgeted in 2019, and SW034, Hobson Mill Drive Culvert Replacement, for which \$175,000 has been budgeted. The total cost of the culvert lining is \$89,244, which is within the budgeted amount for this expense.

The total requested amount of \$739,710 is within budget for this expense.

Account Number	Fund Description	Total Budget Amount
31252200-551502	Capital Projects Fund	\$1,996,250
30282200-551502	Capital Projects Fund	\$5,468,115

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