

**COMMITTEE AGENDA ITEM
VILLAGE OF HOFFMAN ESTATES**

SUBJECT: Request authorization to award contract for the 2023 Storm Sewer Rehabilitation Project to Inliner Solutions, LLC, of Bedford Park, IL (low bid) in an amount not to exceed \$1,498,048

MEETING DATE: August 7, 2023

COMMITTEE: Special Public Works & Utilities

FROM: Alan Wenderski, Director of Engineering

PURPOSE: Present the bids for the 2023 Storm Sewer Rehabilitation Project and recommend approval of award of contract.

BACKGROUND: The 2023 Storm Sewer Rehabilitation Project includes trenchless rehabilitation of approximately 4,000 feet of deteriorated corrugated metal pipe (CMP) between 24-inch and 48-inch diameter. This project is the first in a multi-year program to rehabilitate approximately 20,000 feet of end of life CMP throughout the Village. See attached map for project locations.

The trenchless rehabilitation methods include Cured-in-place Pipe Liner (CIPP) and Spray-Applied Pipe Liner (SAPL) which should support 50 years of additional service life for the pipes. The rehabilitation methods provide a cost effective alternative to removal and replacement of pipe, especially in areas with limited side yard and rear yard easement accessibility.

DISCUSSION: On July 11, 2023, six bids were received for the 2023 Storm Sewer Rehabilitation Project. The engineer's estimate was \$1,337,805. A bid summary is shown in the following table:

Table 1 – Bid Summary

Bidder	Bid Cost
Inliner Solutions LLC	\$1,706,268
Visu-Sewer	\$1,799,950
Hoerr Construction	\$1,847,568
Benchmark Construction	\$1,888,640
Insituform Technologies	\$1,941,872
National Power Rodding	\$2,683,550

DISCUSSION: (Continued)

Upon detailed evaluation of the bids and unit prices it was determined high bid costs were received for a portion of the project that includes limited pipe removal and replacement in lieu of trenchless repair. Staff recommends removing that portion of work from this contract award and completing the work under separate contract that is more consistent with removal and replacement scope. The removal of this work will not affect the ability to fully complete the CMP rehabilitation scope of the project. See Table 2 below for adjusted bid results.

Table 2 – Adjusted Bid Summary

Bidder	Bid Cost
Inliner Solutions LLC	\$1,498,048
Visu-Sewer	\$1,741,863
Hoerr Construction	\$1,782,660
Benchmark Construction	\$1,821,250
Insituform Technologies	\$1,858,297
National Power Rodding	\$2,556,300

Inliner Solutions submitted the lowest qualified initial bid of \$1,706,268 as well as the lowest qualified adjusted bid of \$1,498,048. The cost reduction from the initial low bid amount is \$208,220. It is estimated that completion of the removed work under separate contract will cost less than \$50,000.

Inliner Solutions is a well-established contractor specializing in trenchless technologies. After verifying recent project references staff has no concerns with awarding the contract to Inliner Solutions.

The CIPP installation process can occur in variable temperatures allowing for work throughout most of the year, including winter. While we expect work to begin this year, the completion date for construction is April 30, 2024.

FINANCIAL IMPACT:

See Table 3 below for summary of 2023 Stormwater Utility Fund expenses.

Table 3 – 2023 Stormwater Expense Summary

	Budget	Low Bid Costs	(Over)/Under
Drainage Improvement Project ¹	\$125,000	\$97,268	\$27,732
Storm Sewer Replacement - Street Revitalization Project		\$262,341	(\$262,341)
2023 Storm Sewer Rehabilitation Project	\$1,240,000	\$1,498,048	(\$258,048)
Total			(\$492,657)
¹ - Included in 2023 Street Revitalization low bid			

FINANCIAL IMPACT: (Continued)

The Drainage Improvement Project and three locations of CMP storm sewer replacement were included in the 2023 Street Revitalization Project bid to coordinate with adjacent street work. The low bid costs related to the previously bid items are summarized in the above table. With the addition of the 2023 Storm Sewer Rehabilitation Project low bid amount the total costs of stormwater improvements is \$492,657 over the 2023 budgeted amount. General Fund Reserves are available to cover the over budget amount.

While over budget, staff recommends moving forward with the all planned improvements. The CMP is severely deteriorated and is quite inaccessible to removal and replacement operations within side yard and rear yard easements. If work is deferred there is potential that further deterioration of the pipe will not allow for trenchless rehabilitation. When compared to removal and replacement, the trenchless rehabilitation provides similar long term results for approximately half the cost.

RECOMMENDATION:

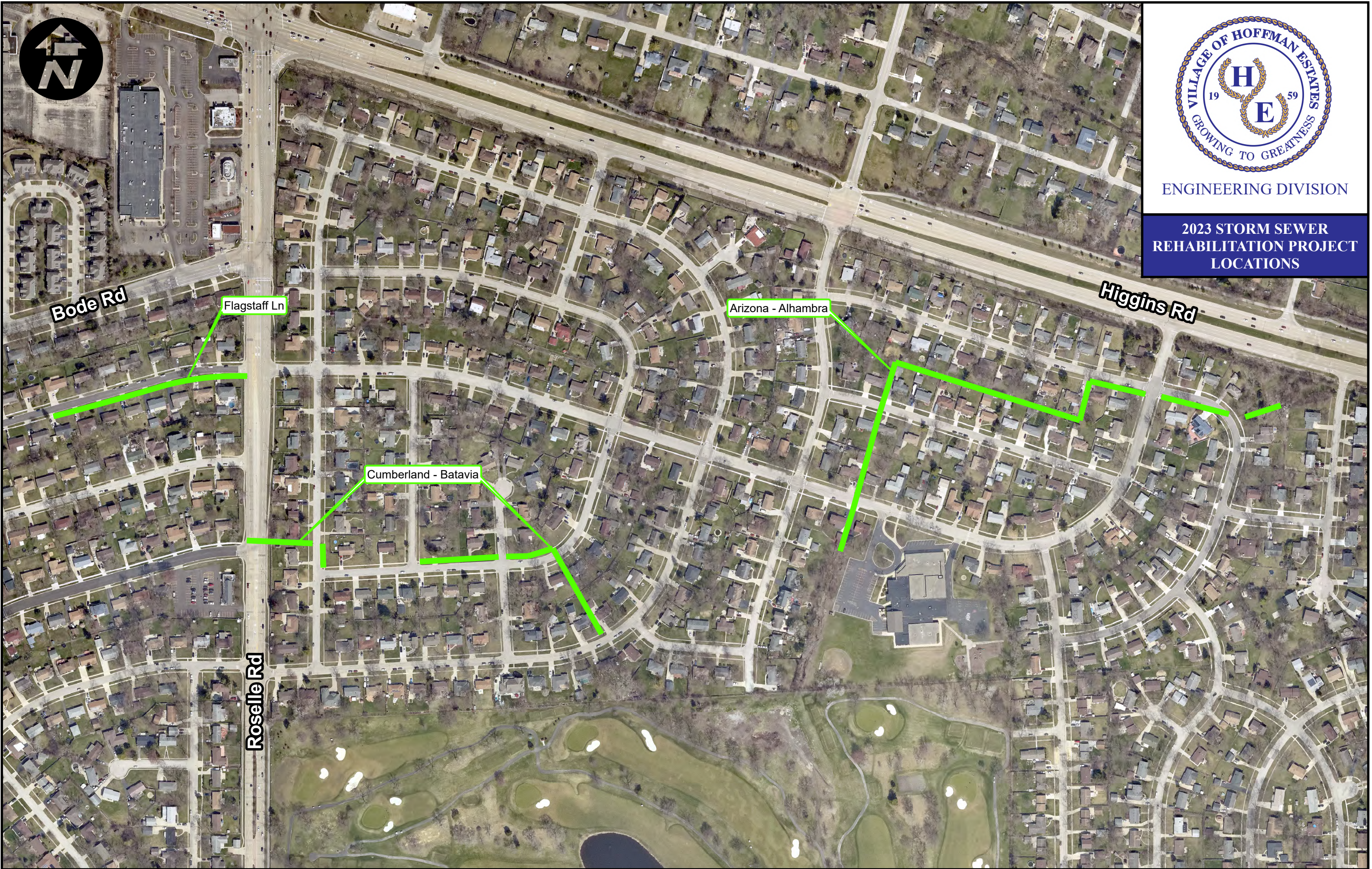
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Attachments



ENGINEERING DIVISION

2023 STORM SEWER
REHABILITATION PROJECT
LOCATIONS



Bode Rd

Flagstaff Ln

Arizona - Alhambra

Higgins Rd

Cumberland - Batavia

Roselle Rd