McMAHON
ENGINEERS ARCHITECTS

To: **The Village President and Board of Trustees**

From: **Chris Dopkins, P.E., Village Engineer**

Re: **Phase II Clean and Televise Sanitary Sewer**

Date: **September 10, 2020**

The second phase of the cleaning and televising program will take place in the oldest sections of the Village as there have been sanitary sewer failures and service failures in the past few years. The scope of contractor's work is to:

1. Clean the sanitary sewers and televise the same. Cleaning is divided into categories by pipe diameter and by heavy or light duty cleaning.
2. Inspect the manholes using either a "Level I" or "Level II" inspection method. Both were bid, with a Level II Inspection being an alternate bid item. A Level I inspection means that the manhole is inspected *without* physical entrance. A Level II inspection requires a physical entrance meaning that either a person is physically entering the manhole, or high definition camera is inserted into the manhole to complete the inspection. The Level II inspection also requires a higher level of deliverables with more detail than a Level I inspection. We are recommending award of the Bid with the Level II Inspection Alternate since there is only a $1,800.00 increase in price for the Level II Inspection.
3. If there are service laterals protruding into the sanitary sewer main, they will be removed via grinding. Note that this is very likely given the fact that the sanitary sewer is constructed of clay pipe materials.
4. Provide deliverables of the inspections. Deliverables are written reports and video reports.

The deliverables are then reviewed by our office, and we will generate a short report that summarizes the findings, recommends improvements, and provides an opinion of probable cost for the improvements.

Bids for the project were opened this morning. Bid documents were procured by a total of six (6) general contractors and one (1) plan room. Two (2) general contractors submitted a bid for the project. A detailed breakdown of the bid results is attached, and the following is a summary of the bid results:

Contractor	Base Bid	Base Bid + Alternates
Visu-Sewer of Illinois	$51,743.72	$53,557.50
National Power Rodding	$124,447.50	$149,966.50
Engineer's OPCC	$69,305.50	$73,055.50

At this time, I find that Visu-Sewer of Illinois is the lowest responsive, responsible bidder for the Phase II Clean & Televise Project, and recommend award of the contract to Visu-Sewer of Illinois. I further recommend awarding the contract with the alternate bid for the Level II Manhole Inspection as there is only a $1,800 difference between the base bid and alternate bid, and the Level II Inspection will provide a more detailed result for the Village. Attached to this memo a resolution that will award the contract to Visu-Sewer and note that the dollar figures contained in the resolution includes the alternate bid. Finally, in the event that items such as heavy cleaning, grinding taps, etc. are not needed which would result in a cost savings, Staff recommends that the section of sewer along State Street between Edson and Park, and Summit between Main and IL 173 be televised, and the resolution authorizes the same.

Please do not hesitate to contact me at (815) 636-9590 with any questions. Thank you.

Phase II Sanitary Sewer Cleaning & Televising
Village of Poplar Grove, Boone County, Illinois
Contract No.: P0013-7-20-00131
Bid Opening: September 9, 2020 at 2:00 PM
Project Manager: Christopher Dopkins, P.E.

McMahon Associates, Inc.
1700 Hutchins Road, Machesney Park IL 61115
Phone: (815) 636-9590
Fax: (815) 636-9591

Item		Quantity	Unit	Engineer's OPC UNIT PRICE	Engineer's OPC TOTAL	Visu-Sewer of Illinois, LLC UNIT PRICE	Visu-Sewer of Illinois, LLC TOTAL	National Power Rodding Corp. UNIT PRICE	National Power Rodding Corp. TOTAL
1	18-Inch Diameter Sanitary: Clean & Televise	561	LF	$3.00	$1,683.00	$2.14	$1,200.54	$7.50	$4,207.50
2	15-Inch Diameter Sanitary: Clean & Televise	2,073	LF	$2.75	$5,700.75	$2.14	$4,436.22	$7.00	$14,511.00
3	12-Inch Diameter Sanitary: Clean & Televise	1,942	LF	$2.75	$5,340.50	$2.14	$4,155.88	$6.50	$12,623.00
4	10-Inch Diameter Sanitary: Clean & Televise	3,231	LF	$2.75	$8,885.25	$2.14	$6,914.34	$6.00	$19,386.00
5	8-Inch Diameter Sanitary: Clean & Televise	3,040	LF	$2.50	$7,600.00	$2.14	$6,505.60	$5.00	$15,200.00
6	6-Inch Diameter Sanitary: Clean & Televise	876	LF	$2.50	$2,190.00	$2.14	$1,874.64	$5.00	$4,380.00
7	Sanitary Manhole Inspection	50	EA	$100.00	$5,000.00	$75.00	$3,750.00	$275.00	$13,750.00
8	Heavy Cleaning / Root Cutting	2,354	LF	$1.50	$3,531.00	$2.25	$5,296.50	$5.00	$11,770.00
9	Grind Protruding Tap	41	EA	$375.00	$15,375.00	$10.00	$410.00	$150.00	$6,150.00
10	Cleaning & Televising Deliverables (Reports, DVD's, etc.)	1	LS	$1,500.00	$1,500.00	$3,500.00	$3,500.00	$2,500.00	$2,500.00
11	Manhole Inspection Deliverables (Reports, DVD's, etc.)	50	EA	$50.00	$2,500.00	$10.00	$500.00	$200.00	$10,000.00
12	Televise Sanitary Lateral (Main to House)	2,000	LF	$5.00	$10,000.00	$6.60	$13,200.00	$5.00	$10,000.00
13					$0.00		$0.00		$0.00
Total Base Bid (Items 1 - 12 Inclusive)			**Bid Total**		**$69,305.50**		**$51,743.72**		**$124,477.50**
			Addenda				Yes		Yes
			Bid Bond				Yes		Yes

Alternate Bids

1	Sanitary Manhole Inspection	50	EA	$150.00	$7,500.00	$125.00	$6,250.00	$800.00	$40,000.00
2	Manhole Inspection Deliverables (Reports, DVD's,etc.)	50	EA	$75.00	$3,750.00	$10.00	$500.00	$500.00	$25,000.00
			Bid Total w/ Alternates:		**$73,055.50**		**$53,557.50**		**$149,966.50**

RESOLUTION 20-____

A RESOLUTION OF THE VILLAGE OF POPLAR GROVE RESOLVING TO AWARD THE CONTRACT FOR PHASE II CLEAN AND TELEVISE SANITARY SEWER

WHEREAS, the Village of Poplar Grove, Illinois ("Village") owns and operates its own sanitary sewer system; and

WHEREAS, the sanitary sewer system in the oldest sections of the Village have never been cleaned and televised; and

WHEREAS, the Village desires to clean and televise said sections of the sanitary sewer system, and further desires to inspect the sanitary sewer manholes; and

WHEREAS, pursuant to State Statute, public works projects in excess of $25,000 are required to be publicly bid, unless such bid requirement is waived via supermajority vote of the Board of Trustees; and

WHEREAS, plans and specifications for the Phase II Sanitary Sewer Cleaning & Televising underwent public bid letting in accordance with the Village's purchasing policies and State Statute; and

WHEREAS, Visu-Sewer of Illinois has been identified as the lowest responsive, responsible bidder; and

WHEREAS, this is a Public Works Project subject to the Illinois Prevailing Wage Act and the Village will comply with said act as required by 820 ILCS Sec. 130/0.01 *et seq*.; and

WHEREAS, the Village has determined that it is in the best interest of its citizens to complete the work as herein described above.

NOW THEREFORE BE IT RESOLVED, by the President and Board of Trustees of the Village of Poplar Grove, Boone County, Illinois that by the adoption of this Resolution:

1. The above recitals are incorporated herein and made part hereof.
2. The Village hereby approves the award of a contract to Visu-Sewer Illinois for Phase II Sanitary Sewer Cleaning and Televising in the amount of $53,557.50.
3. A contingency of $10,000 is hereby authorized by the Board of Trustees for unforeseen/unanticipated circumstances that may arise during the project.
4. In the event that the final cost of the work is below budgeted appropriation, staff is authorized to clean and televise the State Street sanitary sewer between Park and Edson, and/or the Summit Street sewer between IL 173 and Main.
5. The Village President is hereby authorized to execute a contract with Visu-Sewer of Illinois and any document necessary to effectuate the intent set forth in this resolution and the Village Clerk of Poplar Grove shall attest the same after the signature of the Village President.

Adopted this ___ day of _____, 2020.

PASSED UPON MOTION BY _____

SECONDED BY _____

BY ROLL CALL VOTE THIS _____ DAY OF _____, 2020

AS FOLLOWS:

VOTING “AYE”: _____

_____

VOTING “NAY”: _____

_____

ABSENT, ABSTAIN, OTHER _____

_____

APPROVED_____, 2020

_____

VILLAGE PRESIDENT

ATTEST:

_____

VILLAGE CLERK