

VILLAGE OF LA GRANGE
Department of Public Works

BOARD REPORT

TO: Village President, Village Clerk, Board of Trustees, and Village Attorney

FROM: Robert J. Pilipiszyn, Village Manager
Ryan Gillingham, Director of Public Works

DATE: October 13, 2014

RE: **AWARD OF CONTRACT AND ENGINEERING SERVICES
AGREEMENT- 2014 SEWER TELEVISIONING PROGRAM**

The Village owns and maintains approximately 360,000 lineal feet of sanitary, storm and combined sewers. Their proper operation is critically important to maintaining public health and for purposes of storm water management. The Village has budgeted a total of \$60,000 annually (\$25,000 within the Capital Projects Fund and \$35,000 within the Sewer Fund) to conduct the cleaning and televising of our sewer system infrastructure. The purpose of the sewer televising and cleaning program is to maintain the Village's sewer system by removing debris from within the sewers, assessing the condition of the pipes, and identifying areas that require immediate repair. The information collected from the televising is then used to aid in future infrastructure planning and mapping objectives. Generally, this program focuses on televising sewers on streets in advance of resurfacing or other reconstruction projects.

On June 24, 2014, June 30, 2014, and August 22, 2014 the Village experienced high intensity rain events. The volume of water from these rain events exceeded the limited capacity of the Village's combined sewer system resulting in flooded basements and streets. In response to these flooding events the Village identified several immediate action items including the cleaning and televising of the Village's main line sewers. In addition to planning for the televising of the main line sewers, a sewer televising company was also hired on an emergency basis to televise several smaller diameter sewers to confirm operation and condition. Baxter and Woodman reviewed these videos and provided a summary report with recommendations to the Village. The recommendations from this report will be included in the proposed Capital Projects budget. The costs for emergency sewer televising are reflected in the total budget later in this report.

The purpose of prioritizing the assessment of the Village's main line sewers is to (1) confirm they are operating properly as they serve as the backbone for all other sewers within the Village, (2) remove any debris within the sewers to re-establish optimal performance and capacity, (3) identify any required repairs to the sewers, (4) estimate remaining useful life, and (5) identify long-term repair alternatives.

If a major problem or system defect is encountered, we will work with Baxter & Woodman to determine the best course of action. Emerging problems/non-urgent repairs will be captured in the engineering report prepared by Baxter & Woodman and incorporated into the Capital Projects budget development process.

To obtain competitive proposals for the televising of the main line sewers, the Village contracted with Baxter & Woodman, Inc. to prepare bidding documents and provide bidding assistance. The sewers to be included in the program are as follows:

Sewers To Be Televised
East Avenue from Ogden Avenue to 49 th Street
49 th Street from East Avenue to Kensington Avenue
50 th Street from Kensington Avenue to Brainard
Brainard Avenue from 48 th Street to 51 st Street
Cossitt Avenue from East Avenue to Gilbert Avenue
Ogden Avenue from East Avenue to Anna Avenue (Lyons, IL)
Hillgrove Avenue from Brainard to East Avenue
50 th Street from Willow Springs Road to Hillberry Court
Blackstone from Linklater Court to Goodman Avenue
Spring Avenue from 47 th Street to Burlington
Park Road from Ogden Avenue to 41 st Street

A map of the proposed sewer televising program is attached for reference.

The televised inspection work is performed from manhole to manhole. There is no excavation and no direct impact on the public. The only impact on Village residents will be reduced speed through work zones and, on a very small scale, limited and temporary individual access should a manhole be located in front of a driveway.

On Thursday, August 7, 2014 the Village advertised that proposals would be received for the 2014 Sewer Televising Program. Bids were requested from 18 contractors known to be capable of performing this type of work. The proposal opening was held on Tuesday, August 12, 2014 with the following results:

Summary of Bids		
	Contractor	Bid Amount
1	Sheridan Plumbing & Sewer, Inc. / Bedford Park IL	\$173,614
2	National Power Rodding Corp. / Chicago IL	\$192,413
3	Hydro-Vision Technology LLC / Romeoville IL	\$209,148
	Engineer's Estimate	\$275,000

The low bid was submitted by Sheridan Plumbing & Sewer, Inc. in the amount of \$173,614. A detailed breakdown of the bids is attached to this report for reference. In their attached analysis, Baxter & Woodman recommends Sheridan Plumbing & Sewer, Inc. based on their past performance and low unit prices. Staff recommends awarding the contract to Sheridan Plumbing & Sewer, Inc. based on the engineer's assessment and that the Village appears to gain significant economies of scale and value based on the proposals received compared to the engineers estimate. If approved, work is expected to begin in October and should be completed within 60 calendar days.

Attached for your consideration and review is a task order agreement with Baxter & Woodman to provide construction engineering services for the main line sewer televising program. These services are important to control costs and for quality control of the cleaning and televising process. When roots or heavy cleaning is encountered on any individual sewer segment a determination on the cleaning process and quantity needs to be communicated with the contractor. Staff recommends executing a task order contract with Baxter & Woodman for these services in an amount not to exceed \$16,500.

Also attached for your consideration and approval is a task order agreement with Baxter & Woodman to review and provide recommendations on any identified sewer repairs. Once the sewer televising work is completed, Baxter & Woodman proposes to review each video tape and provide recommendations for sewer repairs, anticipated costs, and a prioritization of improvements for an amount not to exceed \$19,540. The information and analysis provided by Baxter & Woodman will be used to develop and provide recommendations to the Village Board as part of the Capital Projects budget process.

If approved, task orders with Baxter & Woodman will be executed for this work in accordance with their task order contract. These documents are attached for your consideration. Staff recommends approval of both agreements.

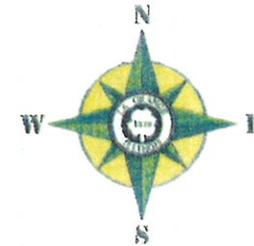
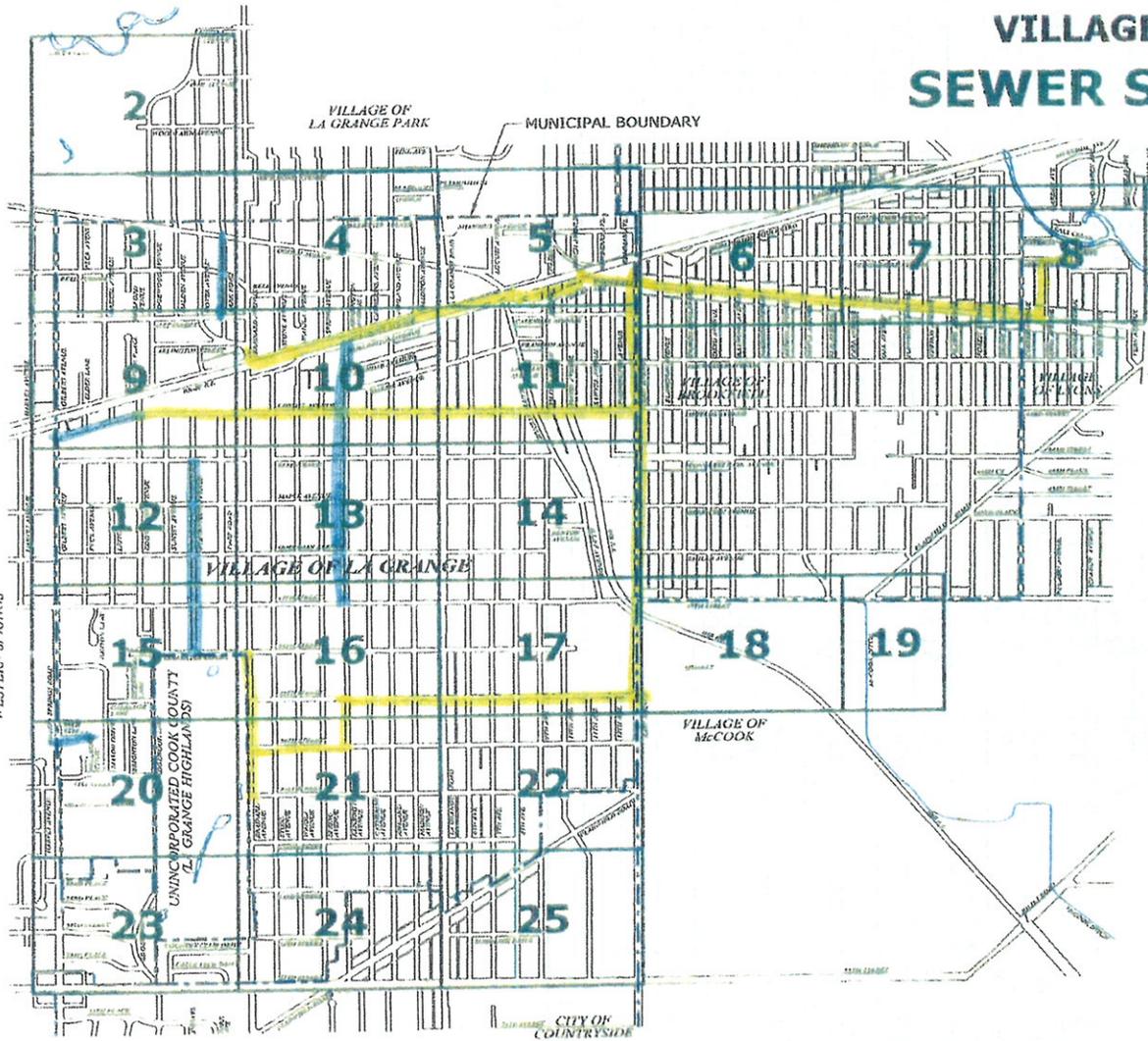
The project budget for the 2014 Sewer Televising Program is as follows:

FY2014-15 Sewer Televising Program	FY2014-15 BUDGET
Expenses	
Emergency Sewer Televising	
Sewer Televising (Emergency) - Visu-Sewer (Completed)	11,730
Engineering – Review of Tapes (Emergency Televising) – Baxter & Woodman (Completed)	5,500
Total Emergency Sewer Televising	17,230
Main Line Sewer Televising	
Engineering & Contract Administration – Baxter & Woodman (Completed)	9,500
Sewer Televising – Sheridan Plumbing & Sewer, Inc.	173,614
Construction Engineering – Baxter & Woodman	16,500
Engineering – Review of Tapes and Recommendations – Baxter & Woodman	19,540
Total Main Line Sewer Televising	219,154
Total	236,384
Funding Sources	
Capital Projects Fund – FY2014-15 Budget	25,000
Sewer Fund – FY2014-15 Budget	35,000
General Fund - Reserves	176,384
Total	236,384

The cleaning and televising of the main sewers in the Village exceeds the budgeted amount by \$176,384. As presented at the sewer workshop on September 22, staff recommends using General fund reserves to fund the additional sewer televising work. The expenditure of these additional funds beyond the current budget allotment will require a budget amendment.

In summary, we recommend that the Village Board waive the formal bidding requirements and award the contract for the 2014 Sewer Televising Program, which provides for the televising and cleaning of approximately 43,300 lineal feet of sewers within the Village, to Sheridan Plumbing & Sewer, Inc. in the amount of \$173,614. The final amount of the contract will be based on the actual work performed by the contractor at the unit prices listed in the contract. We also recommend approval of the task order contracts with Baxter & Woodman in the amount of \$16,500 for construction engineering services and \$19,540 for the review and analysis of the sewer televising inspection reports.

VILLAGE OF LA GRANGE SEWER SYSTEM ATLAS



INDEX OF SHEETS

- 1 COVER SHEET, LOCATION MAP, AND INDEX OF SHEETS
- 2-25 SEWER SYSTEM ATLAS SHEETS

SEWER SYSTEM ATLAS COMPONENTS			
COMPONENT	PRIVATE	PUBLIC	TOTAL
CONCRETE MANHOLE	0	600	600
LANDFILL TANK	62	146	208
STORM CATCH BASIN	64	1,411	1,475
STORM TANK	17	136	153
STORM PUMP OUT	149	22	171
EXPANDED TRENCH	0	201,000	201,000
PIPELINE REPAIR	6,400	17,500	23,900
STORM SEWER CLEANING	0	16,000	16,000
STORM SEWER TELEVISION	21,000	80,000	101,000
STORM SEWER CLEANING	20,000	2,571,000	2,591,000
TOTAL PROJECT COST	\$1,270,000	\$1,320,000	\$2,590,000

 = SEWER TELEVISION IN ADVANCE OF ROADWAY RESURFACING

 = MAIN LINE SEWER CLEANING AND TELEVISION

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VILLAGE OF LA GRANGE, ILL. - SEWER SYSTEM ATLAS SHEET 1 OF 25 - 2/15/07

HEUER AND ASSOCIATES
Consulting Engineers

VILLAGE OF LA GRANGE

COVER SHEET, LOCATION MAP,
AND INDEX OF SHEETS

REVISION: FEBRUARY 2007 dep	FULL SIZE SCALE: Not to Scale	SHEET 1 OF 25
REVISION: MARCH 2008 dep	TABULAR SCALE: Not to Scale	
REVISION: AUGUST 2007	PROJECT NO: 2007-005	
	DATE: 2/15/07	

Village of La Grange
 Department of Public Works
 2014 Sewer Televising Program
 Bid Tabulations

				Sheridan Plumbing & Sewer, Inc.	National Power Rodding	Hydro-Vision Technology			
1.	Sewer Televising with Preparatory Light Cleaning								
	Size	Unit	Approximate Number of Units	Unit Price	Total	Unit Price	Total	Unit Price	Total
	8" - 12"	Lin. Ft.	11,440	\$2.95	\$33,748.00	\$4.00	\$45,760.00	\$1.20	\$13,728.00
	15" - 24"	Lin. Ft.	3,880	\$2.95	\$11,446.00	\$4.00	\$15,520.00	\$1.50	\$5,820.00
	27" - 39"	Lin. Ft.	4,600	\$2.95	\$13,570.00	\$3.00	\$13,800.00	\$3.50	\$16,100.00
	42" -48"	Lin. Ft.	10,000	\$2.95	\$29,500.00	\$3.00	\$30,000.00	\$4.00	\$40,000.00
	54" - 60"	Lin. Ft.	4,460	\$2.95	\$13,157.00	\$3.00	\$13,380.00	\$4.00	\$17,840.00
	66"	Lin. Ft.	1,600	\$2.95	\$4,720.00	\$3.00	\$4,800.00	\$4.00	\$6,400.00
	72"	Lin. Ft.	7,830	\$2.95	\$23,098.50	\$3.00	\$23,490.00	\$4.00	\$31,320.00
2.	Preparatory Root Removal								
	8" - 12"	Lin. Ft.	1,100	\$1.50	\$1,650.00	\$1.25	\$1,375.00	\$0.25	\$275.00
	15" - 24"	Lin. Ft.	390	\$1.50	\$585.00	\$1.25	\$487.50	\$0.50	\$195.00
	27" - 39"	Lin. Ft.	460	\$1.50	\$690.00	\$1.25	\$575.00	\$5.00	\$2,300.00
	42" -48"	Lin. Ft.	1,000	\$5.00	\$5,000.00	\$1.25	\$1,250.00	\$5.00	\$5,000.00
	54" - 60"	Lin. Ft.	450	\$5.00	\$2,250.00	\$2.50	\$1,125.00	\$7.00	\$3,150.00
	66"	Lin. Ft.	160	\$5.00	\$800.00	\$2.50	\$400.00	\$8.00	\$1,280.00
	72"	Lin. Ft.	780	\$5.00	\$3,900.00	\$2.50	\$1,950.00	\$8.00	\$6,240.00
3.	Preparatory Heavy Cleaning								
		Hour	100	\$295.00	\$29,500.00	385	\$38,500.00	\$595.00	\$59,500.00
	Total Contract Price				\$173,614.50		\$192,412.50		\$209,148.00

5-B.5

August 13, 2014

Board of Trustees
Village of La Grange
P.O. Box 668
53 South La Grange Road
La Grange, Illinois 60525-0668

RECOMMENDATION TO AWARD

Subject: Village of LaGrange - 2014 Sewer Televising

Dear Board of Trustees:

The following proposals were received for the 2014 Sewer Televising project on August 12, 2014:

<u>Bidder</u>	<u>Amount of Bid</u>
Sheridan Plumbing & Sewer, Inc. Bedford Park, IL	\$173,614.50
National Power Rodding Corp. Chicago, IL	\$192,412.50
Hydro-Vision Technology LLC Romeoville, IL	\$209,148.00

Our pre-proposal opinion of probable cost for this Project was \$275,000. We believe the lower proposal prices are indicative of the contractors' due diligence to visit the project location, and minimize potential risk from unknown site conditions. We are familiar with the work of all three bidders, and they have met or exceeded our expectations on previous projects. These contractors do not have a history of "low-balling" bids and sacrificing performance.

We have analyzed each of the bids and find Sheridan Plumbing & Sewer, Inc. to be the lowest, responsible and responsive Bidder.

Based upon our familiarity and past working relationships with this Bidder, we believe that Sheridan Plumbing & Sewer, Inc. is qualified to complete the Project.

We recommend the award of the Contract to Sheridan Plumbing & Sewer, Inc. in the amount of \$173,614.50.

Please advise us of your decision.

Sincerely,

BAXTER & WOODMAN, INC.
CONSULTING ENGINEERS


Sean E. O'Dell, P.E.

C: Ryan Gillingham, Director of Public Works, Village of LaGrange

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VILLAGE OF LA GRANGE, ILLINOIS
2014 SEWER TELEVISION PROGRAM – GCA / RPR

TASK ORDER NO. 68

In accordance with Section 1.2 of the Master Contract dated May 13, 2013 between the Village of La Grange (the "Village") and Baxter & Woodman, Inc. (the "Consultant"), the Parties agree to the following Task Number 68:

1. Contracted Services:

Baxter & Woodman, Inc. shall provide the Village with construction engineering services for the 2014 Sewer Televising Program. All terms and conditions of the master task order contract dated May 13, 2013 with the Village of La Grange shall apply.

2. Project Schedule:

The following schedule is anticipated:

September 5, 2014	Construction Start
November 4, 2014	Substantial Completion

3. Project Completion Date:

November 15, 2014

4. Project Specific Pricing (if applicable):

Baxter & Woodman, Inc. shall be compensated on a cost plus fixed fee basis in an amount not to exceed \$16,500.

5. Additional Changes to the Master Contract (if applicable): N/A

All other terms and conditions remain unchanged.

[signature page follows]

5-B.7

VILLAGE

Ryan Gillingham
Signature

Ryan Gillingham

Director of Public Works

8/14/14
Date

CONSULTANT

John V. Ambrose
Signature

John V. Ambrose

Vice President/Secretary

8/14/2014
Date

If greater than, \$2,000, the Village Manager's signature is required.

Signature

Village Manager

Date

If greater than \$10,000, the Village Board must approve the Task Order in advance and the Village President's signature is required.

Signature

Thomas E. Livingston

Village President

Date

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VILLAGE OF LA GRANGE, ILLINOIS
2014 SEWER TELEVISION PROGRAM - GCA / RPR

EXHIBIT A

PROJECT DESCRIPTION

This Project consists of providing construction engineering services for approximately 44,000 feet of cleaning and CCTV inspections of sanitary sewers within the 2014 Program. The Program includes critical trunk sewers, 2015 MFT project locations, and planned portions of the separate sewer area.

VILLAGE OF LA GRANGE, ILLINOIS
2014 SEWER TELEVISION PROGRAM – GCA / RPR

EXHIBIT B

SCOPE OF SERVICES

1. Act as the Village's representative with duties, responsibilities, and limitations of authority as assigned in the construction contract documents.
2. PROJECT INITIATION
 - Attend and prepare minutes for the preconstruction conference, and review the Contractor's proposed construction schedule and list of subcontractors.
 - Prepare Award Letter, Agreement, Contract Documents, Performance/ Payment Bonds, and Notice to Proceed. Review Contractor insurance documents.
3. CONSTRUCTION ADMINISTRATION
 - Attend periodic construction progress meetings.
 - Check, review, and approve submittals by the Contractor, but only for compliance with the drawings and specifications as to quality of materials and performance of equipment. Such review shall not be construed as relieving the Contractor of the responsibility to meet requirements of the construction contract documents. Submittal review by Engineer shall apply only to the items in the submissions and only for the purpose of assessing, if upon installation or incorporation in the Project, they are generally consistent with the construction documents. Owner agrees that the contractor is solely responsible for the submissions (regardless of the format in which provided, i.e. hard copy or electronic transmission) and for compliance with the contract documents. Owner further agrees that the Engineer's review and action in relation to these submissions shall not constitute the provision of means, methods, techniques, sequencing or procedures of construction or extend to safety programs of precautions. Engineer's consideration of a component does not constitute acceptance of the assembled item.
 - Review format/completeness of inspection logs and CCTV inspections before payment.
 - Prepare construction contract change orders and work directives when authorized by the Village.

5-B.10

- Review the Contractor's requests for payments as construction work progresses, and advise the Village of amounts due and payable to the Contractor in accordance with the terms of the construction contract documents.
- Research and prepare written response by Engineer to requests for information from the Village and Contractor.
- Visit site as needed by Project Manager or other office staff.

4. FIELD OBSERVATION

- Engineer's site observation shall be at the times agreed upon with the Owner. Engineer will provide Resident Project Representatives at the construction site on a periodic part-time basis from the Engineer's office for eight (8) weeks, of not more than eight (8) hours per regular weekday, not including legal holidays (for up to 72 hours) as deemed necessary by the Engineer, to assist the Contractor with interpretation of the Drawings and Specifications, to observe in general if the Contractor's work is in conformity with the Final Design Documents, and to monitor the Contractor's progress as related to the Construction Contract date of completion. Through standard, reasonable means, Engineer will become generally familiar with observable completed work. If Engineer observes completed work that is inconsistent with the construction documents, that information shall be communicated to the contractor and Owner to address. Engineer shall not supervise, direct, control, or have charge or authority over any contractor's work, nor shall the Engineer have authority over or be responsible for the means, methods, techniques, sequences, or procedures of construction selected or used by any contractor, or the safety precautions and programs incident thereto, for security or safety at the site, nor for any failure of any contractor to comply with laws and regulations applicable to such contractor's furnishing and performing of its work. Engineer neither guarantees the performance of any contractor nor assumes responsibility for any contractor's failure to furnish and perform the work in accordance with the contract documents, which contractor is solely responsible for its errors, omissions, and failure to carry out the work. Engineer shall not be responsible for the acts of omissions of any contractor, subcontractor, or supplier, or of any of their agents or employees or any other person, (except Engineer's own agents, employees, and consultants) at the site or otherwise furnishing or performing any work; or for any decision made regarding the contract documents, or any application, interpretation, or clarification, of the contract documents, other than those made by the Engineer.
- Provide the necessary base lines, benchmarks, and reference points to enable the Contractor to proceed with the work.

5-B.11

- Keep a daily record of the Contractor's work on those days that the Engineers are at the construction site including notations on the nature and cost of any extra work, and provide weekly reports to the Owner of the construction progress and working days charged against the Contractor's time for completion.

5. COMPLETION OF PROJECT

- Provide construction inspection services when notified by the Contractor that the Project is complete. Prepare written punch lists during final completion inspections.
- Review the Contractor's written guarantees and issue a Notice of Acceptability for the Project by the Village.
- Review the Contractor's requests for final payment, and advise the Village of the amounts due and payable to the Contractor in accordance with the terms of the construction contract documents.

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5-B.12

VILLAGE OF LA GRANGE, ILLINOIS
2014 SEWER TELEVISION PROGRAM – GCA / RPR

EXHIBIT C

CONSTRUCTION ENGINEERING
COST ESTIMATE OF CONSULTANT'S SERVICES IN DOLLARS

Route: Various Streets
Local Agency: Village of La Grange

Section: N/A
Project: N/A
Job No.: N/A

*Firm's approved rates on file with IDOT's Bureau of Accounting and Auditing:	
Overhead Rate	147%
Complexity Factor	0
Calendar Days	45
Anticipated Service from 9/5/2014 to 11/15/2014	

Method of Compensation:
 Cost Plus Fixed Fee 1 14.5%[DL + R(DL) + OH(DL) + IHDC]
 Cost Plus Fixed Fee 2 14.5%[DL + R(DL) + 1.4(DL) + IHDC]
 Cost Plus Fixed Fee 3 14.5%[(2.8 + R)DL] + IHDC
 Direct Labor Multiple
 Specific Rate
 Lump Sum

Element of Work	Employee Classification	Man-Hours	Payroll Rate	Payroll Costs	Overhead*	In-House Direct Costs	Services by Others	Profit	Total
PROJECT INITIATION & MANGEMENT	SR. ENGR. I	12	\$41.74	\$501.00	\$736.00	\$45.00		\$186.00	\$1,468.00
	SR. ENGR. I	8	\$41.74	\$334.00	\$491.00			\$120.00	\$945.00
	CLERICAL I	1	\$25.40	\$25.00	\$37.00			\$9.00	\$71.00
CONSTRUCTION ADMINISTRATION	SR. ENGR. I	28	\$41.74	\$1,169.00	\$1,718.00	\$100.00		\$433.00	\$3,420.00
	CLERICAL I	4	\$25.40	\$102.00	\$150.00	\$25.00		\$40.00	\$317.00
FIELD OBSERVATION & CONSTRUCTION LAYOUT	SR. ENGR. I	72	\$41.74	\$3,005.00	\$4,417.00	\$475.00		\$1,145.00	\$9,042.00
COMPLETION OF PROJECT	SR. ENGR. I	10	\$41.74	\$417.00	\$613.00	\$45.00		\$156.00	\$1,231.00
MATERIAL TESTING									\$0.00
TOTALS		135		\$5,553.00	\$8,162.00	\$690.00	\$0.00	\$2,089.00	\$16,500.00

CONSTRUCTION ENGINEERING TOTAL NOT TO EXCEED **\$16,500.00**

In-House Direct Costs:
 VEHICLE EXPENSES: TRAVEL - 1,280 MI @ CURRENT IRS RATE (\$0.560 FOR ESTIMATING PURPOSES) = \$665.00
 PRODUCTION, ADMINISTRATION, POSTAGE: \$25.00

 Services by Others:
 MATERIAL TESTING: N/A \$0.00

5-8,13

VILLAGE OF LA GRANGE, ILLINOIS
REVIEW OF 2014 SEWER TELEVISIONING PROGRAM

TASK ORDER NO. 6Z

In accordance with Section 1.2 of the Master Contract dated May 13, 2013 between the Village of La Grange (the "Village") and Baxter & Woodman, Inc. (the "Consultant"), the Parties agree to the following Task Number 67:

1. Contracted Services:

Baxter & Woodman, Inc. shall provide the Village with review services as described in the Project Description (Exhibit A) and Scope of Services (Exhibit B), attached hereto. All terms and conditions of the master task order contract dated May 13, 2013 with the Village of La Grange shall apply.

2. Project Schedule:

All services shall be completed 45 days after all inspections are received. The Contractor has 60 days to complete all inspections.

3. Project Completion Date:

All services shall be completed prior to December 15, 2014.

4. Project Specific Pricing (if applicable):

Baxter & Woodman, Inc. shall be compensated on a cost plus fixed fee basis in an amount not to exceed \$19,540.

5. Additional Changes to the Master Contract (if applicable):

All other terms and conditions remain unchanged.

[signature page follows]

VILLAGE

Ryan Gillingham
Signature

Ryan Gillingham

Director of Public Works

8/14/14
Date

CONSULTANT

John V. Ambrose
Signature

John V. Ambrose

Vice President/Secretary

August 14, 2014
Date

If greater than, \$2,000, the Village Manager's signature is required.

Signature

Village Manager

Date

If greater than \$10,000, the Village Board must approve the Task Order in advance and the Village President's signature is required.

Signature

Thomas E. Livingston

Village President

Date

VILLAGE OF LA GRANGE, ILLINOIS
REVIEW OF 2014 SEWER TELEVISION PROGRAM

EXHIBIT A

PROJECT DESCRIPTION

This Project consists of reviewing approximately 44,000 feet of CCTV inspections of sanitary sewers within the 2014 Program. The Program includes critical trunk sewers, 2015 MFT project locations, and planned portions of the separate sewer area. The final deliverable will include a memo (recommendations, costs, and action items for the Village) and summary spreadsheet (detailing our analysis).

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5-13.16

VILLAGE OF LA GRANGE, ILLINOIS
REVIEW OF 2014 SEWER TELEVISION PROGRAM

EXHIBIT B

SCOPE OF SERVICES

1. PROJECT MANAGEMENT

- Plan, schedule, and control the activities that must be performed to complete the project including budget, schedule, and scope. Coordinate with the Village and project team to incorporate Village goals into final Project.

2. INTERNAL SEWER TELEVISION INSPECTIONS REVIEW

- Review video and written logs of internal sewer inspections to identify the general condition of the sewer and building lateral connections, location and severity of defects, and existence of I/I sources.

3. RECOMMENDATION MEMO

- Prepare a written memo summarizing the work completed, results of the CCTV inspections, and recommendations for improvements to rehabilitate the defects identified. The recommendations will include cost estimates and prioritizing of the improvements.

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VILLAGE OF LA GRANGE, ILLINOIS
Review 2014 Sewer Televising Program

EXHIBIT C

PRELIMINARY ENGINEERING

Route:
Local Agency: Village of La Grange
(Municipality/Township/County)

Section:
Project:
Job No.:

*Firm's approved rates on file with IDOT's
Bureau of Accounting and Auditing:

Overhead Rate (OH) 147%
Complexity Factor (R) 0
Calendar Days

Method of Compensation:
Cost Plus Fixed Fee 1 14.5%[DL + R(DL) + OH(DL) + IHDC]
Cost Plus Fixed Fee 2 14.5%[DL + R(DL) + 1.4(DL) + IHDC]
Cost Plus Fixed Fee 3 14.5%[(2.8 + R)DL] + IHDC
Direct Labor Multiple
Specific Rate
Lump Sum

Cost Estimate of Consultant's Services in Dollars

Element of Work	Employee Classification	Man-Hours	Payroll Rate	Payroll Costs (DL)	Overhead*	Services by Others	In-House Direct Costs (IHDC)	Profit	Total
REVIEW									
PROJECT MANAGEMENT	SR ENGINEER I	8	\$41.74	\$334	\$491			\$120	\$945
PROJECT MEETING (1)	SR ENGINEER I	6	\$41.74	\$250	\$368		\$55	\$98	\$771
REVIEW	SR ENGINEER I	119	\$41.74	\$4,967	\$7,301			\$1,779	\$14,047
SUMMARY AND RECOMMEDATIONS									
MEMO	SR ENGINEER I	8	\$41.74	\$334	\$491			\$120	\$945
SUMMARY TABLE	SR ENGINEER I	16	\$41.74	\$668	\$982	\$0		\$239	\$1,889
COST ESTIMATE	SR ENGINEER I	8	\$41.74	\$334	\$491			\$120	\$945
TOTALS		165		\$ 6,887	\$ 10,124	\$ -	\$ 55	\$ 2,476	\$ 19,540

In-House Direct Costs:
VEHICLE EXPENSES

\$55

13-Aug-14

5-13.18

