

VILLAGE OF PALOS PARK
Public Works Department

REQUEST FOR PROPOSAL:
2016 SEWER CLEANING AND TELEVISION PROJECT



VILLAGE OF

PALOS PARK

Responsible Officer:
Michael D Sibrava, P.E., Public Works Director
Village of Palos Park
Kaptur Administration Center
8999 West 123rd Street
Palos Park, IL 60464
Tel: (708) 671-3720

Date: February 2016

VILLAGE OF PALOS PARK

REQUEST FOR PROPOSAL

**for
2016 Sewer Cleaning and Televising Project**

TO THE VILLAGE OF PALOS PARK
8999 W. 123rd Street
Palos Park, IL 60464

Date: 3/17/16

Sealed proposals for the improvement described below will be received at the Village of Palos Park, Kaptur Administration Center, 8999 W. 123rd Street, Palos Park, IL 60464 until 10:00 a.m. on March 18, 2016.

1. Proposal of VISA-SEWER OF ILLINOIS, LLC
(Name)
9014 S. THOMAS AVE, BRIDGEVIEW, IL 60455
(Address, City, State, Zip)
708-237-0340 (Telephone) 708-237-0360 (FAX Number)

for the improvements generally described in the Specifications and all appurtenances thereto for a complete and operating project.

2. The specifications and bidding proposal are those prepared by the Village of Palos Park, 8999 W. 123rd Street, Palos Park, Illinois 60464, telephone 708-671-3700, which cover the work generally described in the Specifications.
3. The undersigned agrees that the Village reserves the right in receiving these bids to waive any technicalities and reject any or all bids, and to select and accept such proposal as may be for the best interest of the Village, and yet be in conformity with the law.
4. In submitting this proposal, the undersigned declares that the only persons or parties interested in the Proposal as principals are those named herein; and that the Proposal is made without collusion with any other person, firm, or corporation.
5. The undersigned further declares that he has carefully examined the Proposal and Specifications and that he has inspected in detail the site of the proposed work, and that he has familiarized himself with all of the local conditions affecting the Contract and the detailed requirements of construction, and understands that in making this Proposal he waives all right to plead misunderstanding regarding the same.
6. The undersigned further understands and agrees that if this Proposal is accepted, he is to furnish and provide all necessary machinery, tools, apparatus, and other means of construction, and to do all of the work, and to furnish all of the materials specified in the Contract, in the manner and at the time therein prescribed, and in accordance with the requirements set forth.

7. The undersigned declares that he understands that the quantities mentioned are approximate only and that they are subject to increase or decrease; that he will take in full payment therefore the amount and the summation of the actual quantities, as finally determined, multiplied by the unit prices shown in the schedule or prices contained herein.
8. The undersigned further agrees that the unit prices submitted herewith are for the purpose of obtaining a gross sum, and for use in computing the value of extras and deductions; that if there is a discrepancy between the gross sum bid and that resulting from the summation of the quantities multiplied by their respective unit prices, the latter shall apply.
9. The undersigned further agrees that if the Village decides to extend or shorten the improvement, or otherwise alter it by extras or deductions, including the elimination of any one or more of the items, he will perform the work as altered, increase or decreased at the Contract unit prices.
10. The undersigned further agrees that the Village may, at any time during the progress of the work covered by this Contract, order other work or materials incidental thereto and that all such work and materials as do not appear in the Proposal or Contract as a specific item accompanied by a unit price, and which are not included under the bid price for other items in this Contract, shall be performed as extra work. The actual cost for such extra work shall be based on a unit price agreed upon by the Owner and the Contractor.
11. The undersigned further agrees to execute a Contract for this work and present the same to the Village ten (10) days after the date of notice of the award of the Contract to him.
12. The undersigned further agrees to carry the necessary Public Liability and Worker's Compensation Insurance to protect the Village, its Trustees, Officers, Agents and Employees, from any claims that may arise in connection with the construction of said work.
13. The undersigned further agrees to begin work not later than Ten (10) Days after the execution and approval of the Contract and Contract Bond, unless otherwise provided, and to prosecute the work in such manner and with sufficient materials, equipment, and labor and will insure its completion within forty-five (45) calendar days from the Notice of Award.
14. The undersigned further agrees that preference shall be given to the employment of Illinois laborers for all work under this Contract in compliance with State law 30 ILCS 560/1-7.
15. The undersigned is aware that Prevailing Wage Rates apply to all work performed on this Contract. It is the Contractor's responsibility to comply with these requirements and to assure compliance by his subcontractors and/or any lower tier subcontracts required by this Contract.

SCHEDULE OF PRICES

SECTION A

NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1.	Basic Cleaning of 6" Diameter Sewers	245	Foot	.85	208.25
2.	Basic Cleaning of 8" Diameter Sewers	2646	Foot	.85	2249.10
3.	Basic Cleaning of 12" Diameter Sewers	1589	Foot	.85	1350.65
4.	Televising of 6" Diameter Sewers	245	Foot	1.00	245
5.	Televising of 8" Diameter Sewers	2646	Foot	1.00	2,646
6.	Televising of 12" Diameter Sewers	1589	Foot	1.00	1,589
7.	Removal and Disposal of Waste Materials	1	LS	\$250	250

SECTION B

NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1.	Basic Cleaning of 8" Diameter Sewers	1518	Foot	1.25	1,897.50
2.	Basic Cleaning of 10" Diameter Sewers Eliminated	1268	Foot	1.25	1,585
3.	Basic Cleaning of 16" Diameter Sewers	1050	Foot	1.25	1,312.50
4.	Televising of 8" Diameter Sewers	1518	Foot	2.00	3,036
5.	Televising of 10" Diameter Sewers Eliminated	1268	Foot	2.00	2,536
6.	Televising of 16" Diameter Sewers	1050 1518	Foot	2.00	2,100
7.	Removal and Disposal of Waste Materials	1	LS	\$250	250

TOTAL COST:

\$ ~~21,255~~

\$ -4,121.00

\$17,134.00

SIGNATURES

VISHU-SEWER OP ILLINOIS, LLC
Corporate Name

Thomas W. Wood
Signed by President *DIVISION MANAGER*

9014 S. THOMAS AVE.

BRIDGEVIEW, IL 60455
Business Address

708-237-0340 / 708-237-0360
Telephone Number and FAX Number

(INSERT NAMES OF OFFICERS)

KEITH ALEXANDER
President

ATTEST:

JAMES SERKITICH
Secretary

KEITH ALEXANDER
Treasurer

Mary Cys
Secretary

(SEAL)



James F. Mahony
MAYOR

Marie Anyon
Village Clerk

SPECIFICATIONS

GENERAL

The CONTRACTOR shall provide all labor, materials, and equipment necessary to visually inspect sewers by means of a closed-circuit television inspection of the sewers being cleaned. Operation of the equipment is to be controlled from above ground with a skilled technician at the control panel in the television studio controlling the movements of the television camera through the sewer in either direction.

EQUIPMENT

The television camera used for the inspection shall be a radial-view camera which is specifically designed and constructed for such inspection. Lighting for the camera shall be suitable to allow a clear picture for the entire periphery of the pipe. The camera shall be operative in 100% humidity conditions. The camera, television monitor, and other components of the video system shall be capable of producing a minimum 500-line resolution color video picture. Picture quality and definition shall be to the satisfaction of the ENGINEER and if unsatisfactory, equipment shall be replaced with satisfactory equipment and no payment made for any unsatisfactory inspection.

Focal distance shall be adjustable through a range of 1 inch to infinity. The purpose of the rotating head camera is to view all service connections, and to locate all defects, as well as any questionable problem areas. **The camera shall stop and look "up" each service connection.** The speed of the camera shall be no greater than 30 feet per minute.

For manholes that may be difficult to access, the Contractor shall have available a self-propelled crawler transporter on which to mount the color television camera so as to be able to inspect the sewer as required.

INSPECTION PROCEDURE

The inspection shall involve the visual observation by closed circuit television. The television camera shall be moved through the sewer at a rate of speed which will allow examination of all points of infiltration, cracked or crushed pipe, defective joints, misalignment in line or grade, location of all service connections and any service defects which may appear, but in no case at a speed greater than 30 feet per minute. The inspection procedure shall require inspecting a sewer line continuously from one manhole to the next until the end of the proposed line to be inspected is reached. This is to allow for one entire sewer line to be inspected continuously without having to search for various segments of the same line on different recordings. Inspecting sewer lines in various segments rather than all at once will not be allowed. Where obstructions within the sewer line prevent the passage of televising equipment, the Contractor shall reset his equipment to pass through the sewer line section from the other end and thereby complete the inspection.

In sewers that, in the opinion of the Owner, are flowing too full to obtain an accurate video record, the CONTRACTOR shall be required to install a device in the upstream manhole to partially or fully restrict the upstream sewage from flowing through the section of pipe being

inspected. The length of time that the upstream flow can be partially or fully restricted shall be coordinated with the Owner. **In any case, sewer flows shall not exceed 25% of the pipe diameter, as measured in the manhole involved in televising.**

In sewers found to have sag sections which in the opinion of the ENGINEER significantly obstruct the view of the internal surfaces of the pipe, the pipes shall be jetted so as to remove a sufficient amount of water to complete a satisfactory inspection. Similar procedures to that used in those sections found to have high flows shall be applied in this circumstance.

Self-propelled cameras, TV cable and powered rewinds or other devices that do not obstruct the camera view or interfere with proper documentation of the sewer conditions shall be used to move the camera through the sewer line. If, during the inspection operation the camera will not pass through the entire sewer section, the CONTRACTOR shall re-set his equipment in a manner so the inspection can be performed from the opposite manhole. If, again, the camera fails to pass through the entire sewer section, the inspection shall be considered complete and no additional inspection work will be required.

ACCURACY OF DISTANCE AND SIZE RECORD

The measurements made during the course of the internal inspection must be reasonably accurate for future use in making sewer repairs and adjustments. Measurement meter records shall be accurate to within one half of a foot (0.5') over the length of the section being inspected. Accuracy of the measurements shall be checked daily with a steel or fiberglass tape. The distance between centerline of manhole structures shall be determined for each section inspected, and noted in the record.

Additionally, the pipe dimension shall be verified at each end of a televised section of sewer. This may be done by physically entering the manholes or by using an acceptable measuring device viewable by the recording device. Each verification of pipe should be noted on the inspection logs. These dimensions will be used for ordering pipe materials for any potential point repairs and are considered critical.

TELEVISION RECORD FORMAT

The television record shall be recorded on standard DVD's of quality approved by the ENGINEER, or as video files on a device capable of being viewed on a computer through a USB connection. The videos shall become the property of the OWNER upon completion. The recording shall be carefully stored within a case so that the medium does not become damaged. The recording shall contain both video and audio record of the observed pipe conditions. Playback shall be at the same speed as it was recorded and provide a clear distortion free image for visual analysis. Each disc or device shall be clearly numbered and indexed for later review. Specific references to the sections of the sewer system shall reflect the manhole/pipe numbering system provided by the ENGINEER.

The visual portion of the video shall show the true picture of the inside of the sewer, with a meter image on the screen visually recording the precise locations of wyes, break-in connections, defective joints, cracked or crushed pipe and all other points of actual or potential infiltration.

The screen image shall also provide data relative to the manhole section being viewed and the date of the recording.

The audio portion of the recording shall be the audio record in which the CONTRACTOR shall state the location of the pipe being viewed, condition of pipe, estimated infiltration at designated and recorded points, footage so that location can be established, and any other pertinent information.

WRITTEN REPORTS

The Contractor shall submit a typewritten log containing a commentary on his finds in the process of sewer cleaning and televising noting where sewers and manholes are leaking or otherwise in need of repair, defective sewer segments which should be further investigated and/or repaired and approximate locations of such defects. All defects shall be reported using the NAASCO Standards for pipeline assessment. All observed pipe connections (whether live or dead) shall be stationed and notated on these forms. Any discrepancies between the sewer atlas information provided to the Contractor and actual field conditions should also be noted. Daily reports shall be submitted to the Owner including any emergency repair work needed.

INSPECTION AND ACCEPTANCE

Upon inspection by the Owner's representative, the Owner shall have the right to reject workmanship which is defective or not in conformity with the contract requirements and to require correction. If the contractor does not correct defective workmanship within a reasonable time, the Owner may do so and charge the expense thereof to the Contractor. Acceptance shall be final and conclusive except as regards latent defects, fraud, or such gross mistakes as may amount to fraud, or as regards the Village's rights under any warranty or guaranty.

RECORD KEEPING

With respect to all written communications and record keeping, the Contractor shall identify each and every manhole and sewer run with the same nomenclature shown on a drawing provided by the Owner.

Each and every billing shall be accompanied by a suitable Daily Work Report record verifying all work covered by the invoice. Separate forms will be submitted for each date of contract service and each function of service provided. No Payments will be made to the Contractor for any invoiced amount not supported by such written work report forms properly completed and attached to the invoice.

Within 14 days of the project's commencement, the Contractor will be required to submit weekly logs and videos to the Engineer for review. These documents will become the property of the Owner at this time. These documents will not be considered part of the "final Submittal" to the Owner upon completion of Contract.

FINAL SUBMITTAL

Upon completion of the Contract, the Contractor will be required to furnish three (3) sets of DVD's of the televised recordings. Additionally, three (3) sets of both electronic and paper copies of the sewer data logs shall be furnished to the Owner. These shall be bound, or inserted into a high-quality three-ring binder. The organization of these documents shall be logically arranged so that all consecutive sewer runs are located under a specific "tab."

REMOVAL AND DISPOSAL OF WASTE MATERIALS

The Contractor shall remove and dispose of all waste materials, including tree roots that are encountered within the sewers during the sewer cleaning operations. These waste materials shall be disposed of by delivery to a governmentally approved disposal facility. The Contractor shall comply with all regulations of the Illinois Environmental Protection Agency and other regulating agencies in disposing of these waste materials.

All waste materials accumulated during the cleaning operations shall be removed from the sewer section being cleaned at its first manhole downstream from the equipment location at the upper end of the sewer section. A mesh screen having openings no larger than 1/2" shall be installed over the downstream pipe at the downstream manhole during all cleaning operations. Moving waste materials downstream through the sewers, from one section to the next, could cause sewer service line blockages and otherwise interfere with the operation of the sewer system and shall not be permitted.

PAY ITEMS

This shall be a unit price contract and shall include all work mentioned on the project plans and specifications, and any work not specifically mentioned that is necessary for the completion the project in a good workmanship like manner. Any conflicts or omissions in these specifications are to be brought to the attention of the Engineer, and his decisions in resolving these matters shall be final. The Contractor shall in no way take advantage of any conflicts or omissions on the plans and in these specifications and it shall be his sole responsibility to bring any and all to the attention of the Engineer. The quantities bid upon are estimated quantities, and the Contractor shall verify this to his own satisfaction.

ITEM 1, 2, 3 – BASIC CLEANING OF 6”, 8”, 10”, 12”, 16” DIAMETER SEWERS

This item will include basic cleaning of all 6”, 8”, 10”, 12”, 16” diameter sanitary sewers on this project. **All sewers on the project shall receive, and will be paid for under, BASIC CLEANING.**

Work to be done under this item consists of the removal of all sludge, dirt, sand, rocks, bricks, greases, moderate root infestations, and other solid and semi-solid materials that are considered removable by the use of hydraulic, high-pressure water jetting equipment. The removal of this material from the sewer pipe shall all be considered part of the basic cleaning of the sewer pipe.

A minimum of two (2) passes shall be made through the sewer section using the high pressure water jetting equipment to perform the basic cleaning requirements to make televising possible.

Payment for basic cleaning of these sections of sewer will be at the Contract unit price per Foot of BASIC CLEANING OF 6” 8”, 10”, 12”, 16” DIAMETER SEWERS in accordance with these Specifications.

ITEM 4 – TELEVISIONING 6”, 8”, 10”, 12”, 16” SEWERS

This item shall include televising the existing Sanitary sewers as shown on the Project Location Maps and as directed by the Engineer, in the manner and procedure as described in these Specifications.

All sewer sections shall be televised after basic cleaning has been performed. However, in those sewer sections that have been basic cleaned and it is agreed upon by the Engineer and/or the Public Works Director that the entire sewer section will require heavy cleaning, televising of the sewer section shall be performed only after the completion of the heavy cleaning. Heavy cleaning would be paid for at a unit price agreed upon by the Contractor and Owner.

The maximum quantity of feet to be paid will not exceed the actual length in feet of the sewer section televised. Any additional televising of sewer sections necessary to assure that the required degree of cleaning has been performed in that sewer section shall be at the Contractor's expense.

Each section of sewer shall be continuously televised from one manhole to the next manhole. It will not be acceptable to televise certain sections of sewer and then re-start from where the first section of televised sewer ended.

Payment for televising these sections of sewer will be at the Contract unit price per Foot of TELEVISIONING SEWERS in accordance with these Specifications.

ITEM 5 – REMOVAL AND DISPOSAL OF WASTE MATERIALS

This item will include removing and disposing of all waste materials, including tree roots that are encountered within the sewers during the sewer cleaning operations. These waste materials shall be disposed of in compliance with Public Act 90-761 and Article 202.03 of the Standard Specifications for Road and Bridge Construction, and all regulations of the Illinois Environmental Protection Agency and other regulating agencies in disposing of these waste materials. All costs associated with this process shall be included under this item. No additional compensation will be granted.

All waste materials accumulating during the cleaning operations shall be removed from the sewer section being cleaned at its first manhole downstream from the equipment location at the upper end of the sewer section. A mesh screen having openings no larger than ½” shall be installed over the downstream pipe at the downstream manhole during all cleaning operations. Moving waste materials downstream through the sewers, from one section to the next, could cause sewer service line blockages and otherwise interfere with the operation of the sewer system and will not be permitted.

The Contractor will be required to dump the materials into a dumpster that shall be hauled away at intervals not exceeding one (1) week in duration. The Village will provide a location in the Public Works yard for the Contractor to place this dumpster. The Village will inspect the debris to verify that it has been sufficiently de-watered prior to being hauled away.

The Contractor will be allowed to dispose of the material in different methods other than outlined above (dumpster in Public Works yard) if he can provide a manner for verifying that the debris has been de-watered sufficiently prior to dumping that is agreeable both to the Village and the Engineer.

The Contractor will be required to provide the Engineer with documentation recording the weight of the material that has been disposed within twenty-four (24) hours of disposing of the material. All documentation shall be maintained by the Contractor for 3 years. An example of the Illinois Department of Transportation “Construction Debris Manifest” form is enclosed for the Contractor’s use. The Village will not monitor the Contractor to see if this form or a facsimile is being used and documented. The use and documentation is solely the responsibility of the Contractor. If contacted by the Environmental Protection Agency, the Village will direct the agency to the Contractor. There will not be a separate pay item for the documentation of the Construction Debris.

Payment for removing and disposing of this material will be at the Contract Lump Sum Price for REMOVAL AND DISPOSAL OF WASTE MATERIALS. This lump sum price shall include all costs for furnishing labor, materials, and equipment necessary to remove and dispose of the waste materials in accordance with these Specifications.



(EXAMPLE)

CONSTRUCTION DEBRIS MANIFEST

Ticket No. _____
Contract No. _____

Generator _____

Hauler _____

Truck No. _____

Description of Material _____

Approximate Weight of Material _____

Approximate Volume of Material _____

Disposition of Material: _____
Location: _____
Date: _____
Time: _____
Owner: _____
Operator: _____

(EXAMPLE)