

**SAN ANTONIO WATER SYSTEM  
2013 SMALL DIAMETER REHAB PROGRAM – PROJECT 3  
SAWS JOB NO. 13-4809  
SAWS SOLICITATION NO. B-13-CD-031-MF**

ADDENDUM NO. 2  
October 16, 2013

This addendum, applicable to work designed above, is an amendment to the bidding and specification documents and as such shall be a part of and included in the Contract Documents. Acknowledge receipt of this addendum by entering the addendum number and issue date in the spaces provided on all submitted copies of the proposal.

**Addenda Purpose:**

**1.0 MODIFICATION TO TABLE OF CONTENTS, PROPOSAL CHECKLIST, AND SPEC ITEM 865:**

See attached revised Table of Contents, Proposal Checklist, and Spec Item 865.

**2.0 RESPONSES TO BIDDERS QUESTIONS:**

Question 1: Is it acceptable to use a directional drilling machine, instead of the actual Pipe Bursting Equipment as you all have specified?

Answer 1: No. Plans and specifications were assembled for a pipe bursting project. Creating plans and specifications for directional drilling would delay project and funding would be lost.

**3.0 TO PROVIDE NOTES FROM PRE-BID MEETING:**

Meeting Notes are attached for information only. The pre-bid meeting sign-in sheet has been posted previously on the SAWS website.

**ACKNOWLEDGEMENT BY BIDDER**

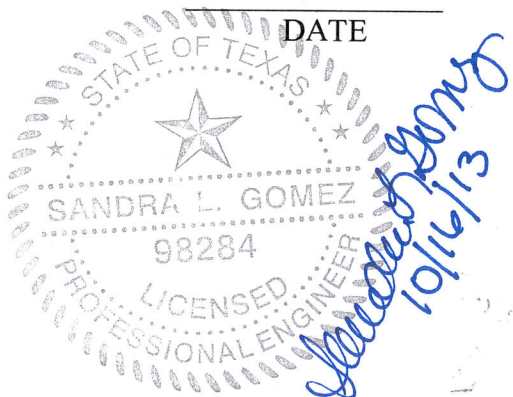
Each bidder is requested to acknowledge receipt of this Addendum No. 2 by his/her signature affixed hereto and to file same and attach with his/her bid.

The undersigned acknowledges receipt of this Addendum No. 2 and the bid submitted herewith is in accordance with the information and stipulations set forth.

DATE

SIGNATURE

END OF ADDENDUM NO. 2



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    Special Provision to COSA Item No. 530 Barricades, Signs, and Traffic Handling .....  
    ..... SP530-1

    Special Provision to SAWS Item No. 852 Sanitary Sewer Manhole .....SP852-1

Details:

TxDOT Trench Replacement Detail and Barricades and Construction Standards

(Separate Documents)

COSA STANDARD SPECIFICATIONS FOR CONSTRUCTION (LATEST EDITION)

TEXAS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR  
CONSTRUCTION AND MAINTENANCE OF HIGHWAYS, STREETS AND BRIDGES  
(LATEST EDITION)

SAWS SPECIFICATIONS FOR WATER AND SANITARY SEWER CONSTRUCTION  
(LATEST EDITION)

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(LATEST EDITION)

**BID PACKET CHECKLIST**  
**2013 Small Diameter Rehab Program – Project 3**  
**Job No.: 13-4809**  
**Solicitation No.: B-13-CD-031-MF**

**Items to be included for Submittal with Bid:**

- Bid Proposal
- Proposal Certification, page PC-1
- Bid Bond(s) or Cashier's Check
- Signed page(s) of Addendum(s)
- Good Faith Effort Plan
- Conflict of Interest Questionnaire - Form CIQ
- Letter of Insurance Verification and/or sample Certificate of Insurance verifying insurance coverage
- Signed W-9
- Financial Statement prepared within the last 12 months by independent CPA (SC-1. #1)
- Company Information Packet (SC-1. #1)
- Statement regarding ability to complete the work (SC-1. #1)
- Record of performance on three (3) similar projects with verifiable references (SC-1. #1)
- WRD-255
- TWDB-0459

**Items to Submit with Awarded Contract:**

1. ED-103
2. ED-104

**ITEM 865**  
**SEWER MAIN PRE-TELEVISION INSPECTION**

**866.1**      **DESCRIPTION:**

The Contractor shall furnish all labor, materials, equipment, and incidentals to provide the televising and NASSCO-(PACP) standard video, recorded in MPEG-1 format and written to DVD/CD video of sewer lines and manholes utilizing a color, closed-circuit television inspection unit to determine their condition.

**866.2**      **GENERAL:**

Pre and Post televising of sanitary sewer mains shall be done immediately after cleaning sewer main. Televising shall be observed by SAWS Inspector and Contractor as the camera is run through the system. Any abnormalities such as, but not limited to, misaligned joints, cracked/defected pipe, rolled gaskets, shall be identified and logged by the Contractor. Sections requiring repair shall be re-televised to verify condition of repair. No additional compensation shall be provided for re-televising.

**866.3**      **EXECUTION:**

The Contractor shall provide DVD/ CD and logs of the televised inspection for review. If the Contractor provided DVD/CD of such poor quality that it cannot be properly evaluated, the Contractor shall re-televising as necessary and provide a DVD/CD of good quality at no additional cost to SAWS. If the Contractor cannot provide a DVD/CD of such good quality that can be reviewed by SAWS, SAWS may elect to televise the line at the Contractor's expense.

The television unit shall also have the capability of displaying in color, on DVD/CD, pipe inspection observations such as pipe defects, sags, points of root intrusion, offset joints, service connection locations, and any other relevant physical attributes. Each tape shall be permanently labeled with the following:

Project name  
Date of television inspection  
Station to station location and size of sanitary sewer  
Street/easement location  
Name of Contractor  
Date DVD/CD submitted  
DVD/CD number

The Contractor shall provide a line diagram area sketch and written log for each completed segment of DVD/CD sewer main describing the section being televised, flow and camera direction, position of service connections, descriptions and

location of failures, pipe condition, weather conditions, and other significant observations.

The television inspection equipment shall have an accurate footage counter that displays on the monitor the exact distance of the camera from the center of the starting manhole. A camera with rotating and panning lens capabilities is required. The camera height shall be centered in the conduit being televised. The speed of the camera through the conduit shall not exceed 40 feet per minute.

The Contractor shall be required to have all materials, equipment, and labor force necessary to complete all video on the job site prior to isolating the sewer manhole segment and beginning video operations.

Television inspection shall be done one manhole section at a time and the flow in the section being televised shall be bypassed if the line is in service and the flow exceeds twenty-five (25%) of the internal pipe diameter. When the depth of flow at the upstream manhole of the manhole section being worked is above the maximum allowable for television inspection, the flow shall be reduced to allowable levels by temporarily plugging or blocking the flow or bypass pumping, as approved by SAWS.

The Contractor shall not be allowed to float the camera. There may be occasions during the televised inspection of a manhole section when the camera will be unable to pass an obstruction. At that time, and prior to proceeding, the Contractor shall contact SAWS Inspector. If the length of sewer line cannot be televised because of obstruction, the Contractor shall clean the system as is necessary. If, in the opinion of SAWS Inspector, the obstruction is attributed to a collapsed main or pipe deflection, televising shall be suspended, payment shall be made based on the actual televised length, and the remaining televising of the sewer line shall be continued upon successful correction of the blockage by the Contractor. No additional payment shall be made for additional setups required due to obstructions encountered during televising.

The Contractor is solely responsible for any damage of sewer mains as direct result of televising operations. Any repair shall also be the responsibility of the Contractor. The method(s) used for securing passage of the camera are at the discretion of the Contractor, as approved by SAWS.

No separate and/or additional payment will be made for any excavation, man entry, or any other method that may be required to retrieve video equipment that may have been hung up, destroyed, and/or lost during the operation.

866.4 **SEWER MAIN BYPASS PUMPING:**

The Contractor shall perform flow management operations in accordance with Item No. 1001 and as outlined below.

The Contractor shall furnish all labor, supervision, tools, equipment, appliances, and materials to perform all operations in connection with bypass pumping of sewage flow for the purpose of preventing interference with the televising of the sanitary sewer manholes and mainlines as well as providing reliable sewer service to the occupants of the buildings being served.

The Contractor will be required to provide adequate pumping equipment and force mains in order to maintain reliable sanitary sewer service in all sanitary sewer lines involved in this project. The Contractor shall notify the Inspector should a surcharge occur during the televising process that results in overflows of sewage. In case of bypass equipment failure, the Contractor shall discontinue work and release sewer flows until such time as equipment failure is corrected. SAWS shall approve the location of the pump(s), force main(s), and discharge points. Under no circumstances shall the flow be interrupted or stopped, such that damage is done to either private or public property or sewage flows or overflows into a storm sewer or natural waterway.

The Contractor shall provide bypass pumping of sewage around each segment(s) of pipe that is to be televised and shall be responsible for all required bulkheads, pumps, equipment, piping, and other related appurtenances to accomplish the sequence of pumping. A qualified person shall man the pumps, on-site, at all times during the bypassing procedure.

All piping, joints, and accessories shall be designed to withstand the maximum bypass system pressure, or a minimum of 50 psi, whichever is greater. During bypass pumping, no sewage shall be leaked, dumped, or spilled into or onto any area outside of the existing sanitary sewer system. When bypass-pumping operations are complete, all piping shall be drained into the sanitary sewer prior to disassembly. The Contractor shall demonstrate that the pumping system is in good working order and can successfully handle flows during cleaning and televising operations, prior to commencing with the cleaning and televising of the system.

866.5 **MATERIALS REQUIRED FOR BYPASS OPERATION:**

The Contractor shall be required to have all materials, equipment, and labor necessary to complete the repair or replacement on the jobsite prior to isolating the sewer manhole or line segment and beginning bypass pumping operations.



866.6 **TRAFFIC CONSIDERATIONS:**

The Contractor shall locate bypass pumping suction and discharge lines so as to not cause undue interference with the use of streets, private driveways, and alleys to include the possible temporary trenching of force mains at critical intersections. Traffic management shall be done under the approval of respective City, County, or State Traffic, Barricade, and Signalization Departments. The Contractor shall not open cut existing streets to accommodate bypass-pumping piping unless specific written approval is given.

866.7 **PUMP OPERATIONS:**

The Contractor shall plug off and pump down the sewer manhole and/or line segment in the immediate work area and shall maintain the sanitary sewer system so that surcharging does not occur. The Contractor shall coordinate with all property owners to ensure that no damage will be caused to their property during any and all sewer rehabilitation work. The Contractor shall complete the televising as quickly as possible and shall satisfactorily meet all requirements prior to discontinuing bypass pumping operations and returning flow to the sewer manhole or line segment. The Contractor shall ensure that no damage will be caused to private property as a result of bypass pumping operations. Ingress and egress to adjacent properties shall be maintained at all times. Ramps, steel plates, or other methods shall be employed by the Contractor to facilitate traffic over surface piping. There will be no separate pay item for this work.

In the event that sewage accidentally drains into the drainage system or is spilled within the project, the Contractor shall immediately stop the overflow, notify SAWS Inspector, and take the necessary action to clean up and disinfect the spillage using an HTH or equal chemical at no additional cost to SAWS.

866.8 **MEASUREMENT AND PAYMENT:**

Measurement and payment for pre-television inspection will be made for the work to be done on the basis of the unit bid price per **linear foot** of the pipe diameters specified. Payment shall be considered full compensation for all labor, materials, equipment, tools, logging, by pass pumping and incidentals necessary to complete the work.

Payment per linear foot shall include pre-television inspection of the pipe segment being rehabilitated. Post-television inspection will not be measured or paid for separately, but shall be considered subsidiary to other rehabilitation bid items.

**NON-MANDATORY PRE-BID MEETING NOTES  
SAN ANTONIO WATER SYSTEM  
2013 SMALL DIAMETER REHAB PROGRAM – PROJECT 3  
SAWS JOB NO. 13-4809  
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**I. MEETING TIME/PLACE**

- Wednesday, October 9, 2013, 10:00 a.m.
- SAWS, Tower II, Conference Room CR-C339

**II. PROJECT DISCUSSION**

1. This contract is part of the consent decree.
2. This is an emergency type contract so 48-hour response is expected on all work orders. 48- Hour mobilization will not be paid separately and shall be considered subsidiary to other bid items.
3. The intent of this contract is to rehabilitate sanitary sewer lines using trenchless methods.
4. All work orders shall be designed trenchless and the contractor that wins this work order contract is expected to perform a majority of the work.
5. The contractor is expected to maintain work on each work order until it's complete and multiple work orders may be issued at one time.
6. Please be familiar with SAWS standard specs and the specs for this contract.
7. Flow Management such as bypass pumping is subsidiary to other bid items.
8. Contract duration for these work orders will have a short time frame.
9. The contractor will be responsible for applying and obtaining CoSA ROW street cut permits and all fees associated with permits.
10. Please be sure to read the supplemental conditions and the special conditions.