



**SAN ANTONIO WATER SYSTEM
C_13 – BROADWAY CORRIDOR PROJECT
PACKAGE 1.C AND 3.C
SAWS JOB NO. 15-4510 & 15-4512
SOLICITATION NO. CO-00033**

**ADDENDUM NO. 1
NOVEMBER 04, 2015**

TO BIDDER OF RECORD:

The following changes, additions, and/or deletions are hereby made a part of the Contract Documents for the construction of the C_13 – Broadway Corridor Project, Packages 1.C and 3.C for the San Antonio Water System, San Antonio, Texas, dated November 2015, as fully and completely as if the same were full set forth therein.

GENERAL

The pre-bid meeting held on October 29, 2015 was mandatory. Only bids submitted by firms in attendance at the pre-bid meeting will be considered. The list of attendees is posted on the SAWS Contract Solicitations website.

BIDDING AND CONTRACT REQUIREMENTS

1. Instructions to Bidders: INSERT the following text “with the exception of the Record of Performance which shall be submitted with the Bid Proposal” on IB-7, paragraph 24 after “the apparent low bidder will submit the following items within one (1) day of the bid opening”.
2. Workers’ Compensation Insurance Coverage: DELETE Workers’ Compensation Insurance Coverage in its entirety and REPLACE with attached Workers’ Compensation Insurance Coverage.
3. BID PROPOSAL: DELETE BID PROPOSAL in its entirety and REPLACE with attached BID PROPOSAL.

4. CONTRACTOR'S BID PACKET CHECKLIST:

- a. For "Bidder Experience", DELETE "Page BP-6" and INSERT in its place "Page BP-2"
- b. After "Record of Performance/Similar Projects" INSERT the following text "
Please note that this information shall be submitted with Bid Proposal"

5. SUPPLEMENTARY CONDITIONS

- a. INSERT the following paragraph under "**Article V - Contractor Responsibility**":

"Section 5.7 of the General Conditions shall be supplemented as follows:

.4 Installation Floater:

Physical Damage Insurance which insures SAWS and the City for damages to all Property Purchased for, or Assigned to, the Project commencing on the start date through completion. Policy limits shall be in an amount equal to the total contract cost contracted herewith. The policy form shall be an All Risk form and shall include coverage for both during transit and while stored at the work site."

6. SPECIAL CONDITIONS:

- a. DELETE ITEM 6.C.5 and REPLACE with the following text:
5) Work shall be completed as follows:
 - a. No construction activities shall commence on Package 3.C until Package 1.C is complete.
- b. In Section 3, DELETE "75 percent" and INSERT "60 percent" in its place.

TECHNICAL SPECIFICATIONS

1. SHEET TS-1

- a. DELETE sheet in its entirety and REPLACE with attached sheet.

2. SECTION 01 29 00 MEASUREMENT PROCEDURES

- a. DELETE specification in its entirety and REPLACE with attached specification.

3. INSERT SPECIAL PROVISIONS TO SAWS SPECIFICATION 100 MOBILIZATION

4. INSERT SPECIAL PROVISIONS TO SAWS SPECIFICATION 850 SANITARY SEWER STRUCTURES.

5. ITEM NO. 905
 - a. SECTION 905.4 INSTALLER QUALIFICATION REQUIREMENTS: DELETE this section in its entirety and REPLACE with the following text:

“SECTION 905.4 INSTALLER EXPERIENCE REQUIREMENTS

Installation of the UV light CIPP products shall be performed by a work force that is experienced and certified in installation of the products. The installer shall be certified by the UV light CIPP product manufacturer to have been trained and approved in the installation of their UV light CIPP products. The Contractor shall submit such certification of UV light CIPP Installer to Owner. Contractor shall also submit to Owner at least five (5) recent references of the UV light cured CIPP installer, indicating successful installation of proposed UV light CIPP on projects of similar size and scope. The Contractor shall have installed a minimum of three (3) similar projects involving a total of at least 30,000 feet of UV Cured-In-Place Pipe, regardless of diameter, of which a minimum of 5,000 feet shall be 27-inches or larger pipe over the last 3 years for each project. The Contractor’s Superintendent shall have a minimum of 3 years CIPP experience on projects of similar size and scope to this project.”

DRAWINGS

1. DWG C-G-01 (PACKAGE 1.C), DELETE the following words “WORK ON THIS PACKAGE SHALL BE SUBSTANTIALLY COMPLETE BY 31-MARCH-2016”
2. DWG C-TC-01 (PACKAGE 1.C), under COSA ROW MANAGEMENT GENERAL NOTES, Note 4, DELETE this note in its entirety.
3. DWG C-TC-01 (PACKAGE 1.C), under COSA ROW MANAGEMENT GENERAL NOTES, Note 5, DELETE “MONDAY THROUGH FRIDAY 8:00 A.M. 5:00 P.M.” and INSERT “MONDAY THROUGH SATURDAY 7:00 A.M. - 10:00 P.M.”
4. DWG C-TC-02 (PACKAGE 1.C), DELETE “ROAD CLOSED” sign and insert the following note: “CONTRACTOR SHALL KEEP ONE LANE OF TRAVEL OPEN ON S. ST. MARY’S AND S. ALAMO AT ALL TIMES.”
5. DWG C-G-01 (PACKAGE 3.C), DELETE the following words “1-APRIL-2016 AND SHALL BE SUBSTANTIALLY COMPLETE BY 30-JUNE-2016” and INSERT “PACKAGE 1.C IS COMPLETE” in its place.

6. DWG C-G-06 (PACKAGE 3.C), in Note 120, REPLACE "901" with "905"
7. DWG C-TC-01 (PACKAGE 3.C), under COSA ROW MANAGEMENT GENERAL NOTES, Note 4, DELETE this note in its entirety.
8. DWG C-TC-01 (PACKAGE 3.C), under COSA ROW MANAGEMENT GENERAL NOTES, Note 5, DELETE "MONDAY THROUGH FRIDAY 8:00 A.M. 5:00 P.M." and INSERT "MONDAY THROUGH SATURDAY 7:00 A.M. - 10:00 P.M."
9. DWG C-C-16 (PACKAGE 3.C), INSERT "REHAB MH 15.4 V.F." for MH 31708

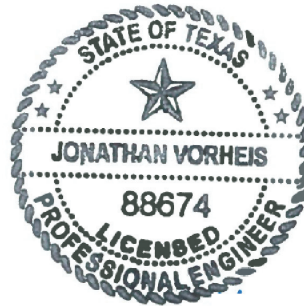
ALL BIDDERS SHALL ACKNOWLEDGE RECEIPT OF ADDENDUM NO. 1 IN THE BID FORM AND BY HIS/HER SIGNATURE AFFIXED HERETO AND TO FILE SAME AS AN ATTACHMENT TO HIS/HER BID. BID FORMS SUBMITTED WITHOUT THIS ACKNOWLEDGEMENT WILL BE CONSIDERED INFORMAL.

CH2M HILL

TBPE Firm No. 3699



Jonathan Vorheis, P.E.



11-4-2015

ACKNOWLEDGEMENT BY BIDDER

THE UNDERSIGNED ACKNOWLEDGES RECEIPT OF THIS ADDENDUM NO. 1 AND THE BID SUBMITTED HERewith IS IN ACCORDANCE WITH THE INFORMATION AND STIPULATION SET FORTH.

Date

Signature of Bidder

Appended hereto and part of Addendum No. 1 are:

1. Workers' Compensation Insurance Coverage
2. QUOTES sheet
3. BID PROPOSAL (including BIDDER EXPERIENCE)
4. Sheet TS-1 and TS-2
5. 01 29 00 Measurement Procedures

6. SPECIAL PROVISIONS TO SAWS SPECIFICATION ITEM 100
7. SPECIAL PROVISIONS TO SAWS SPECIFICATION ITEM 850
8. Contractor Questions and Responses
9. Mandatory Pre-Bid Sign-In Sheet

Workers' Compensation Insurance Coverage

A. Definitions:

Certificate of coverage ("certificate")- A copy of a certificate of insurance, a certificate of authority to self-insure issued by the division [or a coverage agreement (DWC Form-81, DWC Form-82, DWC Form-83, or DWC Form-84.) showing statutory workers' compensation insurance coverage for the person's or entity's employees providing services on a project, for the duration of the project.

Duration of the project - includes the time from the beginning of the work on the project until the contractor's/person's work on the project has been completed and accepted by the governmental entity.

Persons providing services on the project ("subcontractor" in §406.096) - includes all persons or entities performing all or part of the services the contractor has undertaken to perform on the project, regardless of whether that person contracted directly with the contractor and regardless of whether that person has employees. This includes, without limitation, independent contractors, subcontractors, leasing companies, motor carriers, owner-operators, employees of any such entity, or employees of any entity which furnishes persons to provide services on the project. "Services" include, without limitation, providing, hauling, or delivering equipment or materials, or providing labor, transportation, or other service related to a project. "Services" does not include activities unrelated to the project, such as food/beverage vendors, office supply deliveries, and delivery of portable toilets.

B. The contractor shall provide coverage, based on proper reporting of classification codes and payroll amounts and filing of any coverage agreements, which meets the statutory requirements of Texas Labor Code, Section 401.011(44) for all employees of the contractor providing services on the project, for the duration of the project.

C. The Contractor must provide a certificate of coverage to the governmental entity prior to being awarded the contract.

D. If the coverage period shown on the contractor's current certificate of coverage ends during the duration of the project, the contractor must, prior to the end of the coverage period, file a new certificate of coverage with the governmental entity showing that coverage has been extended.

E. The contractor shall obtain from each person providing services on a project, and provide to the governmental entity:

Workers' Compensation Insurance Coverage

(1) a certificate of coverage, prior to that person beginning work on the project, so the governmental entity will have on file certificates of coverage showing coverage for all persons providing services on the project; and

(2) no later than seven days after receipt by the contractor, a new certificate of coverage showing extension of coverage, if the coverage period shown on the current certificate of coverage ends during the duration of the project.

F. The contractor shall retain all required certificates of coverage for the duration of the project and for one year thereafter.

G. The contractor shall notify the governmental entity in writing by certified mail or personal delivery, within 10 days after the contractor knew or should have known, of any change that materially affects the provision of coverage of any person providing services on the project.

H. The contractor shall post on each project site a notice, in the text, form and manner prescribed by the Division of Workers' Compensation, informing all persons providing services on the project that they are required to be covered, and stating how a person may verify coverage and report lack of coverage.

I. The contractor shall contractually require each person with whom it contracts to provide services on a project, to:

(1) provide coverage, based on proper reporting of classification codes and payroll amounts and filing of any coverage agreements, which meets the statutory requirements of Texas Labor Code, Section 401.011(44) for all of its employees providing services on the project, for the duration of the project;

(2) provide to the contractor, prior to that person beginning work on the project, a certificate of coverage showing that coverage is being provided for all employees of the person providing services on the project, for the duration of the project;

(3) provide the contractor, prior to the end of the coverage period, a new certificate of coverage showing extension of coverage, if the coverage period shown on the current certificate of coverage ends during the duration of the project;

(4) obtain from each other person with whom it contracts, and provide to the contractor:

Workers' Compensation Insurance Coverage

(a) a certificate of coverage, prior to the other person beginning work on the project; and

(b) a new certificate of coverage showing extension of coverage, prior to the end of the coverage period, if the coverage period shown on the current certificate of coverage ends during the duration of the project;

(5) retain all required certificates of coverage on file for the duration of the project and for one year thereafter;

(6) notify the governmental entity in writing by certified mail or personal delivery, within 10 days after the person knew or should have known, of any change that materially affects the provision of coverage of any person providing services on the project; and

(7) contractually require each person with whom it contracts, to perform as required by paragraphs (1) - (7), with the certificates of coverage to be provided to the person for whom they are providing services.

J. By signing this contract or providing or causing to be provided a certificate of coverage, the contractor is representing to the governmental entity that all employees of the contractor who will provide services on the project will be covered by workers' compensation coverage for the duration of the project, that the coverage will be based on proper reporting of classification codes and payroll amounts, and that all coverage agreements will be filed with the appropriate insurance carrier or, in the case of a self-insured, with the division. Providing false or misleading information may subject the contractor to administrative penalties, criminal penalties, civil penalties, or other civil actions.

K. The contractor's failure to comply with any of these provisions is a breach of contract by the contractor which entitles the governmental entity to declare the contract void if the contractor does not remedy the breach within ten days after receipt of notice of breach from the governmental entity.

Quotes

Quotes								
Line No.	Item No.	Quote Category	SOV Item	Item Description	Unit	Quantity	Unit Bid Price	Total Price
1	202.1	General Sanitary Sewer Bid Items		Prime Coat Application. Complete and In-Place	GAL	1016		
2	203.1	General Sanitary Sewer Bid Items		Tack Coat Application. Complete and In-Place	GAL	508		
3	205.4	General Sanitary Sewer Bid Items		Cutting and Replacing with Flexible Base and Hot Mix Asphaltic Concrete Pavement (Trench Repair) – Type “C” Modified or Type “D” – 3 inches min. compacted depth. Complete and In-Place	SY	5076		
4	208.1	General Sanitary Sewer Bid Items		Salvaging, Hauling and Stockpiling Reclaimable Asphaltic Pavement	SY	5076		
5	530	General Sanitary Sewer Bid Items		Traffic Control, Barricades, Signs and Traffic Handling	LS	1		
6	540	General Sanitary Sewer Bid Items		SW3P Plan and Execution	LS	1		
7	540.8	General Sanitary Sewer Bid Items		Sandbags for Erosion Control	FT	112		
8	801	General Sanitary Sewer Bid Items		Tree Protection to include placement and removal after project is complete and in place	LS	1		
9	851	General Sanitary Sewer Bid Items		Manhole Adjustment	EA	20		
10	850	General Sanitary Sewer Bid Items		Replacement of Existing/New Manholes	EA	9		
11	854	General Sanitary Sewer Bid Items		Lateral Replacement and Cleanout Installation	EA	12		
12	864	General Sanitary Sewer Bid Items		Flow Management and Bypass Pumping	LS	1		
13	864	General Sanitary Sewer Bid Items		Daily Fuel (Intermediate Mob/Demob)	MD	20		
14	864	General Sanitary Sewer Bid Items		Daily Bypass Rental Equipment (Intermediate Mob/Demob)	MD	20		
15	864	General Sanitary Sewer Bid Items		Daily Manning of the Bypass Pumps (Intermediate Mob/Demob)	MD	20		
16	866	General Sanitary Sewer Bid Items		39-inch Sanitary Sewer Cleaning and Televising Before Rehabilitation	LF	1049		
17	866	General Sanitary Sewer Bid Items		36-inch Sanitary Sewer Cleaning and Televising Before Rehabilitation	LF	206		
18	866	General Sanitary Sewer Bid Items		36-inch Sanitary Sewer Cleaning and Televising	LF	342.7		
19	866	General Sanitary Sewer Bid Items		33-inch Sanitary Sewer Cleaning and Televising Before Rehabilitation	LF	3895		
20	866	General Sanitary Sewer Bid Items		27-inch Sanitary Sewer Cleaning and Televising Before Rehabilitation	LF	1213		
21	866	General Sanitary Sewer Bid Items		26-inch Sanitary Sewer Cleaning and Televising Before Rehabilitation	LF	1583		
22	866	General Sanitary Sewer Bid Items		24-inch Sanitary Sewer Cleaning and Televising Before Rehabilitation	LF	885		
23	905	General Sanitary Sewer Bid Items		39-inch CIPP Sewer Main Rehabilitation (UV-cured)	LF	1049		
24	905	General Sanitary Sewer Bid Items		36-inch CIPP Sewer Main Rehabilitation (UV-cured)	LF	206		
25	905	General Sanitary Sewer Bid Items		33-inch CIPP Sewer Main Rehabilitation (UV-cured)	LF	3895		
26	905	General Sanitary Sewer Bid Items		27-inch CIPP Sewer Main Rehabilitation (UV-cured)	LF	1213		
27	905	General Sanitary Sewer Bid Items		26-inch CIPP Sewer Main Rehabilitation (UV-cured)	LF	1583		
28	905	General Sanitary Sewer Bid Items		24-inch CIPP Sewer Main Rehabilitation (UV-cured)	LF	885		
29	910	General Sanitary Sewer Bid Items		Manhole Rehabilitation	VF	287		
30	1103	General Sanitary Sewer Bid Items		Point Repair for 39-inch Pipe, all depths	EA	1		

31	1103	General Sanitary Sewer Bid Items		Point Repair for 36-inch Pipe, all depths	EA	1		
32	1103	General Sanitary Sewer Bid Items		Point Repair for 33-inch Pipe, all depths	EA	1		
33	1103	General Sanitary Sewer Bid Items		Point Repair for 27-inch Pipe, all depths	EA	1		
34	1103	General Sanitary Sewer Bid Items		Point Repair for 26-inch Pipe, all depths	EA	1		
35	1103	General Sanitary Sewer Bid Items		Point Repair for 24-inch Pipe, all depths	EA	1		
36	1109	General Sanitary Sewer Bid Items		Lateral Reconnection	EA	95		
				Mobilization /Demobilization - This item includes project move-in and move-out of personnel and equipment, and shall include furnishing all labor, materials, tools and equipment and incidentals required to mobilize, demobilize, bond and insure the Work for the Project in accordance with the contract documents, complete in place. Maximum of 10% of Items 1-36.				
37	100	General Sanitary Sewer Bid Items			LS	1		
38	100	General Sanitary Sewer Bid Items		Intermediate Mob/Demob	EA	5		
39	101	General Sanitary Sewer Bid Items		Preparation of Right-of-Way. Maximum of 5% of Items 1-36	LS	1		

ADDENDUM 1

BID PROPOSAL

PROPOSAL OF _____, a corporation
a partnership consisting of _____
an individual doing business as _____

THE SAN ANTONIO WATER SYSTEM:

Pursuant to Instructions and Invitation to Bidders, the undersigned proposes to furnish all labor and materials as specified and perform the work required for the project as specified, in accordance with the Plans and Specifications for the following prices to wit:

(PLEASE SEE ATTACHED PDF LIST OF BID ITEMS)

TOTAL BID PRICE

\$ _____

Mobilization and Prep of ROW shall be limited to the maximum percentage shown. **If the percentage exceeds the allowable maximum stated for mobilization and or preparation of ROW, SAWS reserves the right to cap the amount at the percentages shown and adjust the extensions of the bid items accordingly.**

BIDDER'S SIGNATURE & TITLE

FIRM'S NAME (TYPE OR PRINT)

FIRM'S ADDRESS

FIRM'S PHONE NO. /FAX NO.

FIRM'S EMAIL ADDRESS

The Contractor herein acknowledges receipt of the following:
Addendum Nos. _____

OWNER RESERVES THE RIGHT TO ACCEPT THE OVERALL MOST RESPONSIBLE BID.

The bidder offers to construct the Project in accordance with the Contract Documents for the contract price, and to complete the Project within **180** calendar days after the start date, as set forth in the Authorization to Proceed. **The bidder understands and accepts the provisions of the contract Documents relating to liquidated damages of the project if not completed on time.**

Complete the additional requirements of the Bid Proposal which are included on the following pages.

ADDENDUM 1

Job No. 15-4510 and 15-4512
C_13 Broadway Corridor
Packages 1.C and 3.C
SOLICITATION NO. CO-00033

BIDDER EXPERIENCE

BIDDER'S EXPERIENCE

In order to make a responsive Bid, the Bidder, or the Bidder's subcontractor, must provide evidence of a minimum of three (3) successful projects, completed in the last three (3) years, for **each** of the criteria listed below:

- Installation of UV cured-in-place piping
- Installation of wastewater flow management/bypass pumping systems

As provided in the space below, indicate the project name, owner contact name and telephone number, date completed, and attributes of the project. All questions must be answered comprehensively. Attach additional sheets as necessary.

A minimum of three (3) similar projects involving a total of at least 30,000 feet of UV Cured-In-Place Pipe, regardless of diameter, of which a minimum of 5,000 feet shall be 27-inches or larger pipe, within the last 3 years for each project (refer to SAWS Item 905).

Project Name/ Owner (Contact and Phone No.)/ Completion Date/ Pipe Diameter and Linear Feet

1) _____

2) _____

3) _____

ADDENDUM 1

Job No. 15-4510 and 15-4512
C_13 Broadway Corridor
Packages 1.C and 3.C
SOLICITATION NO. CO-00033

A minimum of three (3) similar projects involving a flow management/bypass pumping system within the last 3 years with similar flows for each project.

Project Name/Owner (Contact and Phone No.)/ Completion Date/ Bypass Flow Rate/ Length of Bypass Pipeline

1) _____

2) _____

3) _____

END OF FORM

TECHNICAL SPECIFICATIONS

DIVISION 01—GENERAL REQUIREMENTS

01 11 00	Summary of Work.....	1-	5
01 29 00	Measurement Procedures	1-	5
01 31 19	Project Meetings	1-	4
01 32 00	Construction Progress Documentation	1-	14
01 42 13	Abbreviations and Acronyms	1-	5
01 43 33	Manufacturer’s Field Services	1-	3
	Manufacturer’s Certificate of Compliance		
	Manufacturer’s Certificate of Proper Installation		
01 50 00	Temporary Facilities and Controls.....	1-	22

DIVISION 02—EXISTING CONDITIONS

02 61 00	Removal and Disposal of Contaminated Soil	1-	13
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DIVISIONS 03 THROUGH 49 (NOT USED)

SPECIAL PROVISIONS TO SANS SPECIFICATIONS FOR WATER AND SANITARY SEWER CONSTRUCTION.....	9-9
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SAN ANTONIO WATER SYSTEM STANDARD SPECIFICATIONS INCLUDED

Item No.	Title	Amended
100	Special Provisions to SAWS Item 100 Mobilization	
850	Special Provisions to SAWS Item 850 Sanitary Sewer Structures	
852	Special Provisions to SAWS Item 852 Sanitary Sewer Manholes	
854	Special Provisions to SAWS Item 854 Sanitary Sewer Laterals	
855	Special Provisions to SAWS Item 855 Reconstruction of Existing Manholes	
864	Special Provisions to SAWS Item 864 Bypass Pumping	
866	Special Provisions to SAWS Item 866 Sewer Main Television Inspection	
868	Special Provisions to SAWS Item 868 Sewer Main Cleaning	
902	Special Provisions to SAWS Item 902 Safety and Health Program	
903	Special Provisions to SAWS Item 903 Construction QC/QA Program	
904	Special Provisions to SAWS Item 904 Construction Phase Procedures	
905	Reconstruction of Sanitary Sewer by UV Cured-In-Place Pipe	Amended Herein
906	Special Provisions to SAWS Item 906 Water Use Accountability	
910	Manhole Rehabilitation Specification	Amended Herein

END OF SECTION

SECTION 01 29 00
MEASUREMENT PROCEDURES

PART 1 GENERAL

1.01 MEASUREMENT—GENERAL

- A. Weighing, measuring, and metering devices used to measure quantity of materials for Work shall be suitable for purpose intended and conform to tolerances and specifications as specified in National Institute of Standards and Technology, Handbook 44.
- B. Whenever pay quantities of material are determined by weight, material shall be weighed on scales furnished by Contractor and certified accurate by state agency responsible. Weight or load slip shall be obtained from weigher and delivered to Owner's representative at point of delivery of material.
- C. If material is shipped by rail, car weights will be accepted provided that actual weight of material only will be paid for and not minimum car weight used for assessing freight tariff, and provided further that car weights will not be acceptable for material to be passed through mixing plants.
- D. Vehicles used to haul material being paid for by weight shall be weighed empty daily and at such additional times as required by Owner/Consultant. Each vehicle shall bear a plainly legible identification mark.
- E. Materials that are specified for measurement by the cubic yard measured in the vehicle shall be hauled in vehicles of such type and size that actual contents may be readily and accurately determined. Unless all vehicles are of uniform capacity, each vehicle must bear a plainly legible identification mark indicating its water level capacity. Vehicles shall be loaded to at least their water level capacity. Loads hauled in vehicles not meeting above requirements or loads of a quantity less than the capacity of the vehicle, measured after being leveled off as above provided, will be subject to rejection, and no compensation will be allowed for such material.
- F. Quantities will be based on ground profiles shown.
- G. Where measurement of quantities depends on elevation of existing ground, elevations obtained during construction will be compared with those shown on Drawings. Variations of 1 foot or less will be ignored, and profiles shown on Drawings will be used for determining quantities.

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- H. Units of measure shown on Bid Form shall be as follows, unless specified otherwise.

Item	Method of Measurement
AC	Acre—Field Measure by Owner/Consultant
CY	Cubic Yard—Field Measure by Owner/Consultant within limits specified or shown
CY-VM	Cubic Yard—Measured in Vehicle by Volume
EA	Each—Field Count by Owner/Consultant
GAL	Gallon—Field Measure by Owner/Consultant
HR	Hour
LB	Pound(s)—Weight Measure by Scale
LF	Linear Foot—Field Measure by Owner/Consultant Consultant
SF	Square Foot
SY	Square Yard
TON	Ton—Weight Measure by Scale (2,000 pounds)

1.02 MEASUREMENT STANDARDS

- A. Unless otherwise specified for the particular items involved, all measurements of distance shall be taken horizontally or vertically.

1.03 AREA MEASUREMENTS

- A. In the measurement of items to be paid for on the basis of area of finished work, the lengths and/or widths to be used in the calculations shall be the final dimensions measured along the surface of the completed work within the neat lines shown or designated.

1.04 LUMP SUM ITEMS

- A. Where payment for items is shown to be paid for on a lump sum basis, no separate payment will be made for any item of work required to complete the lump sum items. Lump sum contracts shall be complete, tested and fully operable prior to request for final payment.

1.05 MEASUREMENT FOR PAYMENT

- A. Reference Article VII Contract Payment of the General Conditions.
- B. The following table lists the measurement for payment requirements of the items contained within the Bid Proposal.

Line No.	Spec No.	Item	Description
1	CoSA 202.1	Prime Coat Application	Refer to CoSA Item No. 202.1. Measurement for payment shall be made per CoSA Item No. 202.1.
2	CoSA 203.1	Tack Coat Application	Refer to CoSA Item No. 203.1. Measurement for payment shall be made per CoSA Item No. 203.1.
3	CoSA 205.4	Cutting and Replacing with Flexible Base and Hot Mix Asphaltic Concrete Pavement (Trench Repair) – Type “C” Modified or Type “D” – 3 inches min. compacted depth. Complete and In-Place	Refer to CoSA Item No. 205.1. Measurement for payment shall be made per CoSA Item No. 205.4.
4	CoSA 208.1	Salvaging, Hauling and Stockpiling Reclaimable Asphaltic Pavement	Refer to CoSA Item No. 208.1. Measurement for payment shall be made per CoSA Item No. 208.1.
5	CoSA 530	Traffic Control, Barricades, Signs and Traffic Handling	Refer to CoSA Item No. 530. Measurement for payment shall be made per CoSA Item No. 530.
6	CoSA 540	SWPPP Plan and Execution	Refer to CoSA Item No. 540. Measurement for payment shall be made per CoSA Item No. 540.
7	CoSA 540.8	Sandbags for Erosion Control	Refer to CoSA Item No. 540.8. Measurement for payment shall be made per CoSA Item No. 540.8.
8	CoSA 801	Tree Protection	Refer to CoSA Item No. 801. Measurement for payment shall be made per CoSA Item No. 801.
9	SAWS 851, 855	Manhole Adjustment	Refer to SAWS Item No. 851 and 855. Measurement for payment shall be made per SAWS Item No. 851.

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Line No.	Spec No.	Item	Description
10	SAWS 850	Replacement of Existing Manholes/New Manholes, Complete and In-Place	Refer to SAWS Item No. 850. Measurement for payment shall be made per SAWS Item No. 850, regardless of manhole type.
11	SAWS 854, 1109	Lateral Replacement and Cleanout Installation	Refer to SAWS Item No. 854 and 1109. Measurement for payment shall be made on a per lateral/cleanout replaced/installed regardless of length or depth as shown on the plans.
12	SAWS 864	Flow Management and Bypass Pumping	Refer to SAWS Item No. 864. Measurement for payment shall be made per SAWS Item No. 864.
13	SAWS 864	Daily Bypass Rental Equipment (Intermediate Mob/Demob only)	Refer to SAWS Item No. 100 and 864. Measurement for payment shall be made on a per day basis as directed by Owner.
14	SAWS 864	Daily Fuel (Intermediate Mob/Demob only)	Refer to SAWS Item No. 100 and 864. Measurement for payment shall be made on a per day basis as directed by Owner.
15	SAWS 864	Daily Manning of the Bypass Pumps (Intermediate Mob/Demob only)	Refer to SAWS Item No. 100 and 864. Measurement for payment shall be made on a per day basis as directed by Owner.
16	SAWS 866, 868	39-inch Sanitary Sewer Cleaning and Televising Before Rehabilitation	Refer to SAWS Item No. 866 and 868. Measurement for payment shall be made on a per linear foot basis.
17	SAWS 866, 868	36-inch Sanitary Sewer Cleaning and Televising Before Rehabilitation	Refer to SAWS Item No. 866 and 868. Measurement for payment shall be made on a per linear foot basis.
18	SAWS 866, 868	36-inch Sanitary Sewer Cleaning and Televising	Refer to SAWS Item No. 866 and 868. Measurement for payment shall be made on a per linear foot basis.
19	SAWS 866, 868	33-inch Sanitary Sewer Cleaning and Televising Before Rehabilitation	Refer to SAWS Item No. 866 and 868. Measurement for payment shall be made on a per linear foot basis.
20	SAWS 866, 868	27-inch Sanitary Sewer Cleaning and Televising Before Rehabilitation	Refer to SAWS Item No. 866 and 868. Measurement for payment shall be made on a per linear foot basis.

Line No.	Spec No.	Item	Description
21	SAWS 866, 868	26-inch Sanitary Sewer Cleaning and Televising Before Rehabilitation	Refer to SAWS Item No. 866 and 868. Measurement for payment shall be made on a per linear foot basis.
22	SAWS 866, 868	24-inch Sanitary Sewer Cleaning and Televising Before Rehabilitation	Refer to SAWS Item No. 866 and 868. Measurement for payment shall be made on a per linear foot basis.
23	SAWS 905	39-inch CIPP Sewer Main Rehabilitation	Refer to SAWS Item No. 905. Measurement for payment shall be made per SAWS Item No. 905.
24	SAWS 905	36-inch CIPP Sewer Main Rehabilitation	Refer to SAWS Item No. 905. Measurement for payment shall be made per SAWS Item No. 905.
25	SAWS 905	33-inch CIPP Sewer Main Rehabilitation	Refer to SAWS Item No. 905. Measurement for payment shall be made per SAWS Item No. 905.
26	SAWS 905	27-inch CIPP Sewer Main Rehabilitation	Refer to SAWS Item No. 905. Measurement for payment shall be made per SAWS Item No. 905.
27	SAWS 905	26-inch CIPP Sewer Main Rehabilitation	Refer to SAWS Item No. 905. Measurement for payment shall be made per SAWS Item No. 905.
28	SAWS 905	24-inch CIPP Sewer Main Rehabilitation	Refer to SAWS Item No. 905. Measurement for payment shall be made per SAWS Item No. 905.
29	SAWS 910	Manhole Rehabilitation	Refer to SAWS Item No. 910. Measurement for payment shall be made on a per vertical foot basis.
30	SAWS 1103	Point Repair for 39-inch Pipe, all depths	Refer to SAWS Item No. 1109. Measurement for payment shall be made per SAWS Item No. 1103.
31	SAWS 1103	Point Repair for 36-inch Pipe, all depths	Refer to SAWS Item No. 1109. Measurement for payment shall be made per SAWS Item No. 1103.
32	SAWS 1103	Point Repair for 33-inch Pipe, all depths	Refer to SAWS Item No. 1109. Measurement for payment shall be made per SAWS Item No. 1103.

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Line No.	Spec No.	Item	Description
33	SAWS 1103	Point Repair for 27-inch Pipe, all depths	Refer to SAWS Item No. 1109. Measurement for payment shall be made per SAWS Item No. 1103.
34	SAWS 1103	Point Repair for 26-inch Pipe, all depths	Refer to SAWS Item No. 1109. Measurement for payment shall be made per SAWS Item No. 1103.
35	SAWS 1103	Point Repair for 24-inch Pipe, all depths	Refer to SAWS Item No. 1109. Measurement for payment shall be made per SAWS Item No. 1103.
36	SAWS 1109	Lateral Reconnection	Refer to SAWS Item No. 1109. Measurement for payment shall be made per SAWS Item No. 1109.
37	SAWS 100	Mobilization and Demobilization	This item includes project move-in and move-out of personnel and equipment, for work; shall include furnishing all labor, materials, tools, equipment and incidentals required to mobilize, demobilize, bond and insure the Work, and obtain and pay for permits except SWPPP. Measurement for payment shall be made on a lump sum basis.
38	SAWS 100	Intermediate Mob/Demob	Refer to SAWS Item No. 100. Measurement for payment shall be made per SAWS Item No. 100.
39	SAWS 101	Preparing Right-of-Way	This item includes removal and disposing of obstructions from the right-of-way and from designated easements where removal of such obstructions is not otherwise provided for in the Drawings and Specifications. Work shall include furnishing labor, materials, tools, equipment, incidentals required. Measurement for payment shall be made on a lump sum basis.

PART 2 PRODUCTS (NOT USED)**PART 3 EXECUTION (NOT USED)****END OF SECTION**

**SPECIAL PROVISION TO SAWS ITEM 100
MOBILIZATION**

The following information is supplemental to SAWS ITEM NO. 100.

100.1 DESCRIPTION: Add the following section:

1. Intermediate Demobilization and Remobilization: This item includes all the Contractor's expenses for an Owner-directed intermediate project demobilization of personnel and equipment that occurs after the contract Notice to Proceed has been given and work has commenced, and the subsequent remobilization of personnel and equipment to complete the Project. These demobilization and remobilizations shall only be authorized upon a written directive from the Owner. Work shall include furnishing all labor, materials, tools, equipment and incidentals required to demobilize and remobilize for the C_13 Broadway Corridor Project Sewer Rehabilitation Packages 1.C and 3.C, in accordance with the Contract Document, complete in place.

100.2 MEASUREMENT: No change

100.3 PAYMENTS: Add the following section:

7. Intermediate Demobilization and Remobilization: This bid item will only be paid if prior authorized in writing by Owner. This bid item is limited to delays outside of the Contractor's control that are not otherwise provided for in the General Conditions. Examples of these types of delays would be Owner easement acquisition, permitting issues (only those permits not controlled by the Contractor), or other Owner activities. Any other provision contained herein notwithstanding Contractor will not be entitled to compensation under this bid item for work suspended during the 10 cumulative days allowed for by the Contract in the General Conditions, Article IV, Paragraph 4.8 Suspension of Work by Owner.

End of Special Provision

**SPECIAL PROVISIONS TO SAWS SPECIFICATION
FOR WATER AND SANITARY SEWER CONSTRUCTION**

San Antonio Water System Technical Specifications

Special Provisions to Item No. 850 Sanitary Sewer Structures

These Special Provisions amend or supplement the Technical Specifications Item No. 850. All provisions which are not so amended or supplemented remain in full force and effect.

1. Add Submittal Section:

“SUBMITTALS

i. Action Submittals:

1. *Shop Drawings including details of construction, reinforcing and joints, anchors, lifting, [external straps], erection inserts, and other items cast into members.*
2. *Product Data:*
 - a. *Concrete mix design.*
 - b. *Manhole frame to structure seals.*
 - c. *Manhole frame to structure anchor bolt.*
 - d. *Rubber gaskets and sealants.*
 - e. *External joint wrap.*

ii. Informational Submittals:

1. *Experience Record:*
 - a. *Precast concrete production capabilities.*
 - b. *Evidence of current PCI plant certification.*
2. *Certificate of Compliance: Certify admixtures and concrete do not contain calcium chloride.*
3. *Test Reports:*
 - a. *Precast manufacturer’s concrete test cylinders.*
 - b. *Core compression test.*
 - c. *Absorption test.*
4. *Certified load test data for precast manhole steps.*
5. *Manufacturer’s recommended installation instructions.*
6. *Field quality control report.”*

2. Add the following: *“Manholes shall match drawing details to include material and dimensions”.*

QUESTIONS RECEIVED AND RESPONSES

The following questions were asked at the Mandatory Pre-Proposal Meeting, held on 29 October, 2015, and are included herein for informational purposes only and do not modify the bid documents.

1. Is the standard CIPP process, using water or steam inversion, and heat cured allowable on this project?

Response: No – UV CIPP is the only approved CIPP method for this Project.

2. If MH cone is to be replaced on certain manholes, can this be added as a bid item?

Response: For manholes designated as “rehab and adjust”, the Contractor is not expected to replace the cone, unless the cone is damaged by the Contractor. In the event the Contractor damages a cone, the replacement shall be the responsibility of the Contractor and shall be accomplished without additional compensation.

For manholes designated as “replace w/ new manhole” Contractor shall remove and install a new cone.

3. Is flow data available?

Response: No.

4. What flow is required for bypass pumping?

Response: Flow information is not available. Contractor shall confirm bypass pumping flow during submittal of the Bypass Pumping Plan in accordance with ITEM NO. 864 BYPASS PUMPING, Section 864.3, which states, “In the absence of any flow data furnished in the contract documents, the Contractor’s submitted flow data will be the only means to incorporate the to-be submitted BPP for review and acknowledgment.”

5. Will SAWS allow diversion of flow to parallel lines?

Response: No.

6. When will Project be awarded?

Response: SAWS anticipates awarding this project at the December Board Meeting.

ADDENDUM 1

7. What happens if work on Package 1.C does not finish by March 31? Are Liquidated Damages for entire project or for each separate package?

Response: Special Conditions section has been modified in Addendum 1 to eliminate specific calendar dates for Package completion. Liquidated Damages are for the entire project.

8. Are soil borings available?

Response: No

9. What happens if lateral is missed and street has to be dug up?

Response:

If a lateral, not indicated on the Construction Drawings, is discovered by the Contractor prior to installation of CIPP liner, the Contractor shall notify SAWS and Contractor will be paid through extension of quantities or through a change order.

If a lateral, indicated on the Construction Drawings, is missed by the Contractor during the execution of work, the Contractor shall be responsible for connecting the lateral to the mainline sewer with no additional compensation and in accordance with the Contract Documents.

In all cases, existing laterals shall be connected to the mainline sewer.

10. If no intersections can be closed, then does SAWS allow changing requirements of traffic control?

Response: Intersections cannot not be completely closed. Contractor may restrict use and access through the intersection. The Contractor's traffic control plan shall meet the intent of the traffic control notes and details in the Contract Documents.

11. Has SAWS calculated full pipe flow? If so, can this information be provided?

Response: See question 4.

12. Is COSA fixed on Traffic Control, or subject to negotiations?

Response: Awarded Contractor has the right to negotiate with COSA regarding specifics of Traffic Control Plan without additional compensation.

13. Has SAWS reached out to community?

Response: Yes. SAWS plans to have Community Meetings before and during Project.

The following questions were received by SAWS in writing following the Pre-Proposal Meeting, and modify the Bid Documents as designated herein:

1. The "Bidders Experience" requirement states that "A minimum of three (3) similar projects involving at least 50,000 feet of Cured-In-Place Pipe of a minimum diameter of 36-inches within the last 3 years for each project (refer to SAWS Item 905)" is required. Being that UV Cured is a newer technology, these requirements with a minimum of 36-inches cannot be met by most installers. Can the 36" requirement be removed as part of the Bidders Experience requirement?

Response: This requirement is revised as indicated in this Addendum.

2. The Contract time stated in the documents is 180 calendar days. Will time be stopped during the month of April 2016 when work is not allowed?

Response: No.

3. Special Conditions, Item 3, states that "The Contractor shall perform the Work with its own organization on at least 75% of the total original contract price." There is a strong possibility that the bypass pumping and traffic controls will account for more than 25% of the contract value. Bypassing and traffic controls are typically subcontracted out. Will the 75% requirement be reduced to account for the high value of bypassing and traffic controls?

Response: Special Conditions, Item 3 is revised as indicated in this Addendum.

4. The contract requires that the Contractor "Coordinate" with a number of entities including but not limited to SAISD, Fiesta San Antonio, Culinaria Restaurant Week, Diez y Seis Events, San Antonio Rock 'N' Roll Marathon, Ciclovía, First Friday, and COSA. What will the SAWS participation be with coordinating the project? Have these entities already been informed of the impending work and what is involved with the work so contact information can be given to the Contractor? Will time be adjusted once the coordination has taken place since "some of these events require multiple day set up and take down by the event organizers" and Contractor activities may be significantly impacted?

Response: The Contractor shall lead coordination efforts with the event planners. SAWS will also be engaged. Yes – these organizations are aware of the Project. No contract duration changes will be made due to these events.

5. Special Conditions Item 6 (B) states that work hours will be between 7:00 AM and 10:00 PM. There is a strong possibility that the process will go beyond 10:00 PM when installing the liner. What is the approval process or penalties for working past 10:00 PM?

Response: Contractor shall plan to execute the Project according to the Contract Documents. Should execution of the Project require working past 10:00 PM, Contractor shall obtain prior approval from City of San Antonio. Penalties will be levied at the discretion of COSA ROW. Refer to General Conditions 5.3.7.

6. Is a minimum of one uniformed police officer required to be onsite at all times during construction activities when traffic is being impacted?

Response: Yes.

7. Can bypass piping be installed across resident's and business' entrances or do all of the entrances need to remain open and bypass piping buried or ramped?

Response: Contractor shall maintain pedestrian and vehicular access to properties. The use of buried bypass piping or provision of pedestrian and vehicle ramps is at the discretion of the Contractor. Contractor shall submit access plan to SAWS and COSA ROW for review, comment and approval.

8. Why is Section 01 43 33, Manufacturers' Field Services included in the project manual? This specification is typically used for installing equipment. Are you requesting a manufacturers' representative to be onsite for each liners installation, and if so, why if the Contractor meets the experience requirements?

Response: No.

9. Due to the congested nature of this project, the Contractors yard will most likely be offsite. Can the required field office be deleted from the contract since there will most likely be no room for a trailer onsite?

Response: The Contractor's Field Office can be located at the Contractor's storage / laydown yard and does not have to be located in the immediate vicinity of the Work.

10. What is the process for acquiring permits from the City of San Antonio? What is the Contractor responsible for and what is SAWS responsible for?

Response: Contact COSA ROW Management for information regarding acquiring the permit. Contractor is responsible for obtaining and holding all permits.

11. Specification 905.10.9(B) states that, "The UV light train shall be assembled and configured per manufacturers specifications for the liner diameter, and resin system used. The light train shall have at least two cameras, one at the front and one at the back of the light train, to ensure that the liner is fully inspected prior to curing." Some UV manufacturers do not use a camera on the front and back to fully inspect the liner prior to curing. Regarding this specification, do we

follow the manufacturer's specification or this SAWS specification? Can the word "shall" in this specification be changed to the word "may"?

Response: Contractor shall comply with SAWS Specification.

12. Sheet 13 of 28 of the plans, "COSA ROW Management General Notes", Note 4. States that, "All lanes of traffic must be open to public by the end of the day....." This will not be possible along many of the bypass routes. Has COSA been notified of this and will this be removed from the Contract Documents.

Response: This requirement is revised as indicated in this Addendum.

13. Per the Preconstruction conference it is our understanding that SAWS has met with and coordinated with COSA regarding required traffic controls and shut down requirements. Can SAWS provide approved project specific traffic control plans for the project?

Response: The preconstruction conference will be held after the contract has been awarded. Refer to traffic control plans for COSA's intent regarding traffic control.

14. Can the lateral lines to be replaced be rehabilitated or pipe-bursting in lieu of open cut?

Response: Yes. SAWS will consider this pending approval of Contractor's plan and submittal and Contractor will not receive additional compensation for other means and methods.

15. Can the contractor get a copy of the CCTV inspection video or reports performed for each segment proposed to be rehabilitated on this project? If not, why?

Response: No. Contractor is required to CCTV all sewer lines before cleaning and/or rehabilitating.

16. Please provide the type of pipe for each segment of pipe being rehabilitated as part of this project.

Response: This information will not be provided. Contractor is required to CCTV all sewer lines before cleaning and/or rehabilitating.

17. Are there any point repairs expected as part of the project? If so, what are the defects?

Response: None are expected. Contractor is required to CCTV all sewer lines before cleaning and/or rehabilitating.

18. We request that the bid date be postponed for at least one (1) week. Is this possible?

Response: No – due to overall Project schedule.

19. Can you clarify the requirement for “adjust and rehab” for existing manholes? Are the frames and covers to be replaced, new encasements, raised or lowered to grade, etc.

Response: Per Item No. 851 - Contractor shall assume all manholes labeled to be “adjust and rehab” will require replacement of existing manhole covers and rings and elevation to match existing pavement elevation and shall conform with SAWS standard details regarding manhole ring encasement.

20. Please clarify by-pass pumping requirements. It was stated that full pipe flows are required but the specification also state conditional flows.

Answer: Flow information is not available. Contractor shall confirm bypass pumping flow during submittal of the Bypass Pumping Plan in accordance with ITEM NO. 864 BYPASS PUMPING, Section 864.3, which states, “In the absence of any flow data furnished in the contract documents, the Contractor’s submitted flow data will be the only means to incorporate the to-be submitted BPP for review and acknowledgment.”

21. Field observations indicate that there is virtually no flow in the 33” line 1.C. upstream of S. St. Marys St., and the 27” line had approximately 4-6” of flow at Mid-day.

In addition, there is a manhole ~ 1,000’ upstream of MH 25654, and MH 26306 (MH 25684) that is a junction manhole that would easily allow for diverting flows from either target line without above ground by-pass pumping systems. This would dramatically reduce disruption to the public, enhance public safety, and reduce risk and cost to SAWS. Will this be allowed?

Response: No.

22. Can by-pass pumping systems be discharged into opposite lines thus reducing significantly the traffic and safety concerns?

Response: No.

23. It was stated that full pipe flows have been calculated. Can these be disclosed?

Response: No. Refer to Question 20.

24. Can lateral replacement on Project 3.C be accomplished with pipe bursting?

Response: Yes – SAWS will consider this pending approval of Contractor’s plan and submittal.

25. Can lateral reinstatement on CIPP lines be accomplished by manned entry?

Response: Yes – SAWS will consider this pending approval of Contractor's plan and submittal.

26. Please confirm that in the event that COSA ROW (or others) require additional paving in excess of plan quantities, with the variance be addressed by additional quantities or change order.

Response: If during the review of the Contractor's Pavement Restoration Plan, COSA ROW requires additional paving in excess of plan quantities, then this will be paid for through overrun of quantities or through a change order. If, however, during the execution of the Contractor's means and methods, damage to the existing pavement exceeds the Work Plan approved by Owner and COSA ROW, and either Owner or COSA ROW directs the Contractor to repair the pavement, this will be completed at no additional compensation to the Contractor. Similarly, damage to existing pavement caused by the Contractor outside of the work area will be repaired to satisfaction of COSA ROW at no additional compensation to the Contractor.

27. Are manhole inverts to be rehabilitated?

Response: Per SAWS Item No. 910, manhole inverts are to be rehabilitated for manholes designated "adjust and rehab".

28. Are doghouse manholes allowed where new manholes are identified on the plans?

Response: Yes.

