



**SAN ANTONIO WATER SYSTEM
C_13 BROADWAY CORRIDOR
PROJECT SEWER REHABILITATION
PACKAGE B
SAWS JOB NO. 16-4508
SOLICITATION NO. CO- 00103**

ADDENDUM NO. 2
June 6, 2017

TO RESPONDENT OF RECORD:

This addendum, applicable to work referenced above, is an amendment to the bid proposal, plans and specifications and as such will be a part of and included in the Contract Documents. Acknowledge receipt of this addendum by entering the Addendum number and issue date on the space provided in submitted copies of the bid proposal.

This addendum consists of 4 pages and 17 pages of attachments.

PROCUREMENT REQUIREMENTS

1. BID FORM: DELETE previous document in its entirety and REPLACE with attached document. Changes include grammatical updates, replacement of "SP 852" with "852", and additional mobilization/demobilization and preparation of right-of-way requirements.

BIDDING AND CONTRACT REQUIREMENTS

1. INVITATION TO BIDDERS: In the first paragraph:
 - a. DELETE the words "open cut approximately" in the first sentence.
 - b. DELETE the word "3,700" and REPLACE with "3,800".
 - c. INSERT the word "Place" before the word "Pipe"

2. CONTRACTOR'S BID PACKET CHECKLIST: DELETE document in its entirety and REPLACE with attached document.
3. RECORD OF PERFORMANCE: INSERT attached document at the end of the Bid Proposal.
4. SPECIAL PROVISION TO SAWS ITEM NO. 856 JACKING, BORING, OR TUNNELING PIPE: DELETE document in its entirety and REPLACE with attached document.
5. SUPPLEMENTAL CONDITIONS: INSERT the following paragraph prior to Article IV – Contract Administration:

“Instruction to Bidders

- a. Section 24, DELETE first paragraph and REPLACE with the following:
“To assist the San Antonio Water System Contracting Office in performing the bidder evaluation and subsequent recommendation of award, all bidders will submit the following items with their bids. Failure to provide the required information within the specific time, may result in determining a non-responsive bidder.”
- b. Remove Section 24(c) in its entirety and replace with the following:
“A completed summary of experience, as required in “Statement of Bidder’s Experience Form (Attachment A).”
- c. Add Section 24(f) as follows:
“A baseline schedule showing ability to meet milestone completion dates for each location.”
- d. The remaining portions of Section 24 shall remain the same.”

TECHNICAL SPECIFICATIONS

1. CONTRACT DOCUMENTS TABLE OF CONTENTS: DELETE document in its entirety and INSERT attached document. Changes include removing the word “Contingency” from document, added Item 401, and added dates of March 2017 to revised specifications.
2. SECTION 01 01 10 TECHNICAL SPECIFICATIONS TABLE OF CONTENTS:
INSERT “01 20 00 Allowances” under Division 01 heading.
3. SECTION 01 11 00 SUMMARY OF WORK:
 - a. Article 1.01.3 DELETE “2,500 linear feet” and INSERT “2,000 linear feet” in its place and DELETE “Specification Item 812” and INSERT “Specification Item 818” in its place.

- b. Article 1.01.4 DELETE the first sentence of this paragraph in its entirety and REPLACE with the following:

“Approximately 800 linear feet of 8-inch and 10-inch sewer lines per SAWS Specification 848 and Special Provision. Manhole adjustments to be completed per SAWS Items 862 and 855. Approximately 20 linear feet of asbestos pipe to be removed per SAWS Item 3000”

- c. Article 1.01.5 DELETE words “or Item 905”
- d. Article 1.01.6 DELETE “Item 864” and INSERT “Items 864-S1 and 864-S2” in its place. INSERT the following sentence: “Sanitary sewer manholes to be constructed per SAWS Item 852.”
- e. 1.04 DELETE this section in its entirety.

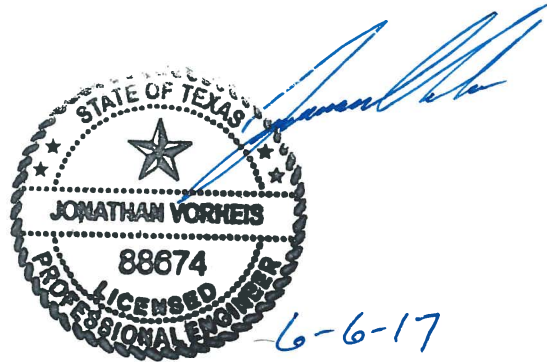
4. SECTION 01 20 00 ALLOWANCES: INSERT attached document.

5. SECTION 33 05 01.08 FIBERGLASS REINFORCED PIPE AND FITTINGS:

- a. Article 1.05.A INSERT “installed by open cut” after the words “All sewer pipes”.
- b. Article 1.06.A INSERT “installed by open cut” after the words “Sewer pipe”.

CH2M HILL

TBPE Firm No. 3699



Jonathan Vorheis, P.E.

Appended hereto and part of Addendum No. 2 are:

1. Contractor's Bid Packet Checklist (1 page)
2. Bid Form (3 pages)
3. Record of Performance (8 pages)
4. Special Provisions to SAWS Item No. 856 Jacking, Boring, or Tunneling Pipe (1 page)
5. Contract Documents Table of Contents (2 pages)
6. Section 01 20 00 Allowances (2 pages)

CONTRACTOR'S BID PACKET CHECKLIST:
C_13 Broadway Corridor Pkg. B Project
SAWS Job No. 16-4508
SAWS Solicitation No. CO-00103

Items to be included for Submittal with Bid:

- Bid proposal and Acknowledgement of All Addendums
- Proposal Certification; page PC-1
- Bid Bond/Cashier's Check
- Statement on President's Executive Orders – Page IB 6 or 7
- Good Faith Effort Plan
- Conflict of Interest Questionnaire - Form CIQ (*Rev. 11/30/2015*)
- Proof of Insurability (Letter from Insurer or Sample Certificate of Insurance)
- Financial Statement
- Company Information Packet
- Statement regarding ability to complete the project
- Record of Performance Attachment A (Per Addendum 2)
- Baseline Schedule
- W-9

Solicitation		C_13 - Broadway Corridor Project - Package B								
CO-00103		Line No.	Item No.	SOV Item	Item Description	Unit	Quantity	Unit Bid Price	Total Price	
		1	101		Tree Protection to Include Placement and Removal	LS	1			
		2	CoSA 103.1		Remove Concrete Curb	LF	105			
		3	CoSA 103.3		Remove Concrete Sidewalks and Driveways	SF	1,962			
		4	CoSA 202.1		Prime Coat Application	GAL	5,199			
		5	CoSA 203.1		Tack Coat Application	GAL	2,600			
		6	CoSA 205.2		Sanitary Sewer: Cut and Replace with Flexible Base and Hot Mix Asphaltic Concrete Pavement (Trench Repair) – Type "B"	SY	6,886			
		7	CoSA 205.2		Waterline: Cut and Replace with Flexible Base and Hot Mix Asphaltic Concrete Pavement (Trench Repair) – Type "B"	SY	2,276			
		8	CoSA 205.4		3" Pavement Type D	SY	25,995			
		9	CoSA 208.1		Salvaging, Hauling and Stockpiling Reclaimable Asphaltic Pavement	SY	25,995			
		10	CoSA 230.1		Full Depth Pavement Restoration	SY	568			
		11	CoSA 401.1A		Reinforced Concrete Pipe - per linear foot less than 24" in diameter	LF	572			
		12	CoSA 401.1B		Reinforced Concrete Pipe - per linear foot equal to or greater than 24" in diameter	LF	320			
		13	CoSA 500.1		Concrete Curb	LF	105			
		14	CoSA 500.4		Concrete Curb and Gutter	LF	624			
		15	CoSA 500.1		Concrete Sidewalks	SY	125			
		16	CoSA 500.1		Concrete Driveway	SY	148			
		17	CoSA 530.1		Traffic Control, Barricades, Signs and Traffic Handling	LS	1			
		18	CoSA 530.2		Portable Changeable Message Sign	MD	60			
		19	CoSA 535.1		4" Yellow Line	LF	11,380			
		20	CoSA 535.2		4" White Line	LF	255			
		21	CoSA 535.5		12" White Line	LF	365			
		22	CoSA 535.7		24" White Line	LF	685			
		23	CoSA 535.8		Right White Arrow	EA	1			
		24	CoSA 535.12		Word "ONLY"	EA	1			
		25	CoSA 535.13		Straight White Arrow	EA	1			
		26	CoSA 535.18		Solid White Yield	EA	3			
		27	CoSA 535.19		Word "STOP"	EA	1			
		28	CoSA 540.11		SW3P Plan and Execution	LS	1			
		29	CoSA 540.8		Sandbags for Erosion Control	FT	220			
		30	CoSA 540.1		Curb Inlet Gravel Fill	EA	22			
		31	CoSA 550.1		Trench Excavation Safety Protection	LF	7,061			
		32	812		Additional Casing Pipe for TCEQ Separation Requirements	LF	120			
		33	818		8" PVC Water Line, All Restrained	LF	2,095			
		34	824		Reconnect 1/2" Unknown, Short	EA	1			
		35	824		Reconnect 3/4" Unknown, Short	EA	1			
		36	824		Reconnect 3/4" Copper, Short	EA	11			
		37	824		Reconnect 1" Copper, Short	EA	4			
		38	824		Reconnect 2" Copper, Short	EA	5			
		39	824		Reconnect 1" PVC, Short	EA	1			
		40	824		Reconnect 3/4" GI, Short	EA	1			
		41	824		Reconnect 6" DI, Short	EA	1			
		42	824		Reconnect 1/2" Unkown, Long	EA	2			
		43	824		Reconnect 3/4" Copper, Long	EA	1			
		44	824		Reconnect 1" Copper, Long	EA	1			
		45	828		6" Gate Valve Complete with Box	EA	3			
		46	828		8" Gate Valve Complete with Box	EA	6			
		47	834.1		New Fire Hydrant with Valve and Box	EA	1			
		48	836		Grey-Iron and Ductile-Iron Fittings	TON	3			
		49	840		8" Water Tie-in	EA	15			
		50	840		10" Water Tie-in	EA	2			
		51	841		Hydrostatic Testing 8" Water Line	EA	6			
		52	844		Blow-off Assemblies	EA	6			
		53	844		4" Blow-off, Temporary	EA	1			

Solicitation		C_13 - Broadway Corridor Project - Package B							
CO-00103		Line No.	Item No.	SOV Item	Item Description	Unit	Quantity	Unit Bid Price	Total Price
		54	SP 848		10" PVC Sewer Line	LF	789		
		55	SP 850		Elm Street Terminus Structure (MH-B-1)	EA	1		
		56	SP 850		Josephine Equalization Structure (MH B-OF-06)	EA	1		
		57	SP 850		Casa Blanca Flow Splitting Structure with Stop Logs (MH B-OF-05)(Precast Polymer)	EA	1		
		58	SP 850		Existing Manhole MH-101 Connection - Modifications - Add SST Stop Log Gate and New Cover	EA	1		
		59	SP 850		Sanitary Sewer Structure (Larger than 24" Manholes)	EA	2		
		60	SP 850		Replace Existing/New Manholes > 6 VF	EA	8		
		61	852		Sanitary Sewer Manholes > 6 VF	EA	2		
		62	SP 853		60" Tee-Base Manholes	EA	4		
		63	SP 853		42" Tee-Base Branch Drop Manhole B-OF-05, B-OF-04	EA	2		
		64	SP 853		42" Tee-Base Manholes	EA	8		
		65	SP 853		36" Tee-Base Manholes	EA	13		
		66	855		Manhole Adjustment	EA	15		
		67	SP 856		Jacking and Boring FRP without Casing for 36"	LF	265		
		68	SP 856		Jacking and Boring FRP without Casing for 42"	LF	1,240		
		69	SP 856		Tunneling with 52" Steel Casing Pipe (not including carrier pipe)	LF	286		
		70	SP 856		Tunneling with 60" Steel Casing Pipe (not including carrier pipe)	LF	120		
		71	858		Additional Sand-Cement Fill for TCEQ Separation Requirements	CY	100		
		72	862		Manhole Demolition	EA	5		
		73	862		Sanitary Sewer Manholes to be Abandoned and Grouted	EA	2		
		74	862		60" Sewer Abandon in Place with CLSM	LF	50		
		75	862		10" Sewer Abandon in Place	LF	174		
		76	862		18" Sewer Abandon in Place	LF	55		
		77	862		24" Sewer Abandon in Place	LF	55		
		78	862		8" Sewer Remove	LF	141		
		79	862		10" Sewer Remove	LF	689		
		80	862		18" Sewer Remove for Broadway Tunnel	LF	5		
		81	862		24" Sewer Remove for Broadway Tunnel	LF	5		
		82	862		60" Sewer Remove	LF	75		
		83	864-S1		Bypass Pumping (Less than 24" diameter)	LS	1		
		84	864-S2		Bypass Pumping (24" and greater diameter)	LS	1		
		85	SP 866		CCTV of Josephine 60" RCP with no Flow (Bypass Pumping Required)	LF	300		
		86	SP 866		18" Sanitary Sewer Cleaning and Televising Before Rehabilitation	LF	295		
		87	SP 866		24" Sanitary Sewer Cleaning and Televising Before Rehabilitation	LF	294		
		88	SP 866		60" Sanitary Sewer Cleaning and Televising Before Rehabilitation	LF	6,910		
		89	901.1		18" CIPP Sewer Main Rehabilitation (Steam/Water-cured) Including Post-CCTV	LF	295		
		90	901.1		24" CIPP Sewer Main Rehabilitation (Steam/Water-cured) Including Post-CCTV	LF	294		
		91	901.1		60" CIPP Sewer Main Rehabilitation (Steam/Water-cured) Including Post-CCTV	LF	6,910		
		92	910.1		Manhole Rehabilitation	VF	317		
		93	910.2		Structure Rehabilitation	SF	647		
		94	1103		Point Repair for 60" Pipe, All Depths	EA	1		
		95	1103		Point Repair for 18" Pipe, All depths	EA	1		
		96	1103		Point Repair for 24" Pipe, All Depths	EA	1		
		97	1109		Lateral Reconnection	EA	33		
		98	3000.9		8" AC Waterline Removal	LF	20		
		99	330501.08		Remove 60" RCP and Replace with 60" FRP (if Owner Authorizes)	LF	73		
		100	330501.08		24" FRP (open cut) including Post-CCTV	LF	358		
		101	330501.08		36" FRP (open cut) including Post-CCTV	LF	3,762		
		102	330501.08		42" FRP (open cut) including Post-CCTV	LF	1,498		
		103	330501.08		60" FRP (open cut) including Post-CCTV	LF	84		
		104	330501.08		36" FRP installed in 52" Casing Pipe	LF	286		
		105	330501.08		42" FRP installed in 60" Casing Pipe	LF	120		
		106	330501.04		Expose Existing 36" CSC Recycled Water Line Joint and Confirm if Restrained	EA	3		

Solicitation		C_13 - Broadway Corridor Project - Package B							
CO-00103		Line No.	Item No.	SOV Item	Item Description	Unit	Quantity	Unit Bid Price	Total Price
	107	330501.04			Field Weld Existing 36" CSC Recycled Water Line Joint (if Owner Authorizes)	EA	3		
	108	SP 100			Mobilization/Demobilization (Maximum 10% of Items 4-107)	LS	1		
	109	SP 100			Intermediate Demob/Remob	EA	5		
	110	864			Daily Bypass Rental Equipment (Intermediate Demob/Remob)	MD	20		
	111	864			Daily Fuel (Intermediate Demob/Remob)	MD	20		
	112	864			Daily Manning of the Bypass Pumps (Intermediate Demob/Remob)	MD	20		
	113	101			Preparation of Right-of-Way (Maximum 5% of Items 4-107)	LS	1		
	114	1201			Allowance: Electric MH and Ducts to be Relocated by Others	LS	1	\$ 250,000.00	\$ 250,000.00
	115	1202			Allowance: 2" Gas Line to be Relocated by Others	LS	1	\$ 25,000.00	\$ 25,000.00

ATTACHMENT A

RECORD OF PERFORMANCE

Rev. 11/11/16

**C_13 Broadway Corridor Project Sewer Rehabilitation Package B
SAWS Job No. 16-4508
SAWS Solicitation No. CO-00103**

A. Please check the applicable boxes, and complete **all** the fields, below. In addition, please provide the supplemental information requested for each submitted project.

If all fields are not completed and boxes are not checked, the Bid is at risk for being rejected due to non-responsiveness. It is not acceptable to indicate "See attached."

Project A-1 is to have been completed by the Bidder and/or their subcontractor

- Project A-1 contains water/steam Cured-In-Place Pipe that is 48-inch diameter or greater.
- Project A-1 was completed within the last 5 years.

Project A-1 Description

Name of Project: _____ Location: _____

Type of Work: _____

Pipe Size(s): _____ Pipe Lengths: _____

Reference Name: _____ Reference Title: _____

Reference Phone Number: _____ Construction Cost: _____

Project Start Date: _____ Project End Date: _____

Project Description: _____

Additional Information: _____

Project A-2 is to have been completed by the Bidder and/or their subcontractor

- Project A-2 is a similar project to the scope of Package B using Water/Steam Cured-In-Place Pipe, regardless of diameter.
- Project A-2 was completed within the last 5 years.

Project A-2 Description

Name of Project: _____ Location: _____

Type of Work: _____

Pipe Size(s): _____ Pipe Lengths: _____

Reference Name: _____ Reference Title: _____

Reference Phone Number: _____ Construction Cost: _____

Project Start Date: _____ Project End Date: _____

Project Description: _____

Additional Information: _____

Project A-3 is to have been completed by the Bidder and/or their subcontractor

- Project A-3 is a similar project to the scope of Package B using Water/Steam Cured-In-Place Pipe, regardless of diameter.
- Project A-3 was completed within the last 5 years.

Project A-3 Description

Name of Project: _____ Location: _____

Type of Work: _____

Pipe Size(s): _____ Pipe Lengths: _____

Reference Name: _____ Reference Title: _____

Reference Phone Number: _____ Construction Cost: _____

Project Start Date: _____ Project End Date: _____

Project Description: _____

Additional Information: _____

- B.** Please check the applicable boxes, and complete **all** the fields, below. In addition, please provide the supplemental information requested for each submitted project.

If all fields are not completed and boxes are not checked, the Bid is at risk for being rejected due to non-responsiveness. It is not acceptable to indicate "See attached."

Project B-1 is to have been completed by the Bidder and/or their subcontractor

- Project B-1 contains microtunneling, open face rotary wheel TBM tunneling, or pipe jacking.
- Project B-1 consists of lengths 800 feet or greater of the three tunneling methods listed above.
- Project B-1 has been completed within the last 5 years.
- Project B-1 shall have an individual drive equal to or greater in length than the longest planned drive on this project.
- Project B-1 tunneling method for the identified project shall match Contractor's proposed method for the C_13 Broadway Package B construction.

Project B-1 Description

Name of Project: _____ Location: _____

Type of Work: _____

Pipe Sizes: _____ Pipe Lengths: _____

Reference Name: _____ Reference Title: _____

Reference Phone Number: _____ Construction Cost: _____

Project Start Date: _____ Project End Date: _____

Project Description: _____

Additional Information: _____

Project B-2 is to have been completed by the Bidder and/or their subcontractor

- Project B-2 contains microtunneling, open face rotary wheel TBM tunneling, or pipe jacking.
- Project B-2 consists of lengths 800 feet or greater of the three tunneling methods listed above.
- Project B-2 has been completed within the last 5 years.
- Project B-2 tunneling method for the identified project shall match Contractor's proposed method for the C_13 Broadway Package B construction.

Project B-2 Description

Name of Project: _____ Location: _____

Type of Work: _____

Pipe Sizes: _____ Pipe Lengths: _____

Reference Name: _____ Reference Title: _____

Reference Phone Number: _____ Construction Cost: _____

Project Start Date: _____ Project End Date: _____

Project Description: _____

Additional Information: _____

Project B-3 is to have been completed by the Bidder and/or their subcontractor

- Project B-3 contains microtunneling, open face rotary wheel TBM tunneling, or pipe jacking.
- Project B-3 consists of lengths 800 feet or greater of the three tunneling methods listed above.
- Project B-3 has been completed within the last 5 years.
- Project B-3 tunneling method for the identified project shall match Contractor's proposed method for the C_13 Broadway Package B construction.

Project B-3 Description

Name of Project: _____ Location: _____

Type of Work: _____

Pipe Sizes: _____ Pipe Lengths: _____

Reference Name: _____ Reference Title: _____

Reference Phone Number: _____ Construction Cost: _____

Project Start Date: _____ Project End Date: _____

Project Description: _____

Additional Information: _____

C. Please check the applicable boxes, and complete **all** the fields, below. In addition, please provide the supplemental information requested for each submitted project.

If all fields are not completed and boxes are not checked, the Bid is at risk for being rejected due to non-responsiveness. It is not acceptable to indicate "See attached."

Project C-1 is to have been completed by the Bidder and/or their subcontractor

- Project C-1 contains open-cut installation of Fiberglass Sewer Pipelines.
- Project C-1 has a minimum of 1,000 feet of 36-inch or larger FRP installed.
- Project C-1 has been completed within the last 5 years.

Project C-1 Description

Name of Project: _____ Location: _____

Type of Work: _____

Pipe Sizes: _____ Pipe Lengths: _____

Reference Name: _____ Reference Title: _____

Reference Phone Number: _____ Construction Cost: _____

Project Start Date: _____ Project End Date: _____

Project Description: _____

Additional Information: _____

Project C-2 is to have been completed by the Bidder and/or their subcontractor

- Project C-2 contains open-cut installation of Fiberglass Sewer Pipelines.
- Project C-2 has a minimum of 1,000 feet of 36-inch or larger FRP installed.
- Project C-2 has been completed within the last 5 years.

Project C-2 Description

Name of Project: _____ Location: _____

Type of Work: _____

Pipe Sizes: _____ Pipe Lengths: _____

Reference Name: _____ Reference Title: _____

Reference Phone Number: _____ Construction Cost: _____

Project Start Date: _____ Project End Date: _____

Project Description: _____

Additional Information: _____

Project C-3 is to have been completed by the Bidder and/or their subcontractor

- Project C-3 contains open-cut installation of Fiberglass Sewer Pipelines.
- Project C-3 has a minimum of 1,000 feet of 36-inch or larger FRP installed.
- Project C-3 has been completed within the last 5 years.

Project C-3 Description

Name of Project: _____ Location: _____

Type of Work: _____

Pipe Sizes: _____ Pipe Lengths: _____

Reference Name: _____ Reference Title: _____

Reference Phone Number: _____ Construction Cost: _____

Project Start Date: _____ Project End Date: _____

Project Description: _____

Additional Information: _____

Project Superintendent

- Project Superintendent proposed for this project, has at least five (5) years' experience supervising microtunneling, open face rotary wheel TBM tunneling construction, or jack and boring.
- Tunneling machine operator(s) shall have technical training in the operation of the proposed tunneling equipment and shall have completed, as a primary operator, at least three similar tunneling projects, involving at least 800 feet of microtunneling on each project, and at least one of the projects shall have an individual drive equal to or greater in length than the longest drive on this Project.

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

**San Antonio Water System Technical Specifications
Special Provision to SAWS Item No. 856
Jacking, Boring, or Tunneling Pipe**

These Special Provisions amend or supplement the Technical Specifications Item No. 856. All provisions which are not so amended or supplemented remain in full force and effect.

1. Delete Sections 856.1 through 856.4 including tables and standard details. The technical aspects of jacking, boring, and tunneling will be covered by Technical Specifications in Divisions 02, 31, 33 and 40. Allowable jacking, boring, or tunneling methods are defined in Section 02 40 00, Tunneler Crossings.
2. Section 856.5 Measurement remains unchanged, except that casing or liners installed for the Contractor's convenience and not specifically shown on the plans shall not be measured and shall be paid for under jacking, boring, or tunneling per 856.6.
3. 856.6 Payment:
 - a. Add the following table for clarification:

**Summary of Measurement and Payment (Bid Items) for
Jacking/Boring/Tunnels and Open Cut**

Condition	Jacking, boring, or tunneling	Casing Pipe	Carrier Pipe	Carrier Pipe by Open Cut
Jacking, boring, or tunneling FRP carrier pipe (No Casing Pipe)	856.5 and 856.6	NA	856.5 and 856.6	NA
Jacking, boring or tunneling Steel Casing and FRP carrier pipe	856.5 and 856.6			NA
FRP Pipe by Open Cut	NA	NA	NA	330501.08 1.05 and 1.06

End of Special Provision

Contract Documents Table of Contents

CoSA STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (Latest Edition)

<u>Item</u>	<u>Construction Specification</u>
103	Remove Concrete
200	Flexible Base
202	Prime Coat
203	Tack Coat
205	Hot Mix Asphaltic Concrete Pavement
206	Asphalt Treated Base
208	Salvaging, Hauling & Stockpiling Reclaimable Asphaltic Pavement
209	Concrete Pavement
230	Base and Pavement Replacement
400	Excavation, Trenching and Backfilling
500	Concrete Curb, Gutter, And Concrete Curb and Gutter
530	Barricades, Signs, and Traffic Handling
535	Hot Applied Thermoplastic Pavement Markings
540	Temporary Erosion, Sedimentation and Water Pollution Prevention and Control
550	Trench Excavation Safety Protection

SAWS SPECIFICATIONS FOR WATER & SANITARY SEWER CONSTRUCTION (Latest Edition)

<u>Item</u>	<u>Construction Specification</u>
100	Mobilization
101	Preparation of Right-of-Way
401	
550	Trench Excavation Safety Protection
804	Excavation, Trenching and Backfill
812	Water Main Installation
818	PVC (C-900, C-905 and C-909) Pipe Installation
824	Water Service Supply Lines
826	Valve Box Adjustments
828	Gate Valves
831	Cut-In-Tee
832	Tapping Sleeves and Valves
834	Fire Hydrants
836	Grey-Iron and Ductile-Iron Fittings
839	Anchorage/Thrust Blocking and Joint Restraint
840	Water Tie-Ins
841	Hydrostatic Testing Operations
844	Blow-off Assemblies
846	Air Release Assemblies
847	Disinfection
848	Sanitary Sewers
849	Sanitary Sewer Pipe Air and Deflection Testing
850	Sanitary Sewer Structures
851	Adjusting Existing Manholes – Feb. 2017
852	Sanitary Sewer Manholes – Feb. 2017
853	Glass-Fiber Reinforced Polyester (FRP) Manholes – Feb. 2017
854	Sanitary Sewer Laterals
855	Reconstruction of Existing Manholes – Feb. 2017
856	Jacking, Boring or Tunneling Pipe
858	Concrete Encasement, Cradles, Saddles, and Collars

Contract Documents

Table of Contents

862	Abandonment of Sanitary Sewer Mains and Manholes
864 S-1	Bypass Pumping Small Diameter Sanitary Sewers (Mar. 2017)
864-S2	Bypass Pumping Large Diameter Sanitary Sewers (Mar. 2017)
866	Sewer Main Television Inspection
868	Sanitary Sewer System Cleaning
869	Project Signs
901	Rehabilitation of Sanitary Sewer by Cured-In-Place Pipe (Mar. 2017)
902	Construction Safety and Health Program
903	Construction QA/QC Program
904	Construction Phase Procedures
906	Water Use Accountability
1015	Sewer Line Break/Leak Repairs
1020	Water Main Break/Leak Repairs
1103	Point Repairs and Obstruction Removals
1109	Sanitary Sewer Service Stubs and Reconnections
1110	Progress Schedule
1112	Project Record Documents
1114	Pre-Construction Video
1020	Water Main Break/Leak Repairs
3000	Handling Asbestos Cement Pipe

* All of the SAWS and CoSA standard specs intended for/or potentially used in the Contract have been included in the TOC only.

**SECTION 01 20 00
ALLOWANCES**

PART 1 GENERAL

1.01 RELATED DOCUMENTS

- A. Applicable portions of the Project Manual including but not limited to the Drawings and Specifications.

1.02 SUMMARY

- A. This Section includes administrative and procedural requirements governing allowances.

- 1. Definition

- Allowances. “Allowance’ is defined as "a not-to-be-exceeded amount”, either individually or in the aggregate, which is established between the Owner and the Contractor as part of the bid documents when the precise scope of a particular line item(s) has not been defined to a level which is adequate for the Contractor to provide a definitive line item pricing for that particular scope of Work.

1.03 COORDINATION

- A. At the earliest practical date after award of the Contract, the Contractor shall expose potential conflicts with CPS Energy gas and electric utilities, consult with Owner and CPS Energy and determine if Allowance Work is required. Contractor shall advise Owner of the date when Work described by an Allowance must be completed to avoid delaying the Work.
- B. Coordinate Allowance items with other portions of the Work.

1.04 PROCEDURES

- 1. Contractor to determine with Owner and CPS Energy if work described in Allowance Bid Items is required to complete other Project Work.
- 2. If Allowance Work is determined necessary by Owner, Contractor and CPS Energy, then the Contractor shall submit a cost proposal from CPS Energy to Owner.
- 3. If cost proposal from CPS Energy is within scope and budget of Bid Items, and Owner agrees with proposed work, then Owner shall provide written directive to Contractor to proceed with work associated with Allowance Bid Items.
- 4. If cost proposal from CPS Energy exceeds budget of Bid Items, then Owner has the authority to authorize a portion of the proposed work that is within the budget of the Bid Items, or may authorize none of the work until a Change Order is executed.

PART 2 – PRODUCTS (Not Used)**PART 3 – EXECUTION****3.01 SCHEDULE OF ALLOWANCES**

- A. The Contract Price includes cash allowances for certain materials, equipment and portions of the Work as follows:
1. Utility Relocation of electric ducts and manholes: This item provides an allowance for costs assessed from CPS Energy associated with the need for others to relocate electric utilities in conflict with the Work. Measurement for payment is on a lump sum basis. Contractor to pay for relocation and be reimbursed actual amount by the San Antonio Water System.
 2. Utility Relocation of gas lines: This item provides an allowance for costs assessed from CPS Energy associated with the need for others to relocate gas utilities in conflict with the Work. Measurement for payment is on a lump sum basis. Contractor to pay for relocation and be reimbursed actual amount by the San Antonio Water System.
- B. The Contractor shall use monies in Allowances only on issuance of written directive by the Owner.

3.03 MEASUREMENT AND PAYMENT

Pay Item Numbers shall be as follows:

1. PAY ITEM No. 1201 - Electric MH and Ducts to be Relocated by Others.
2. PAY ITEM No. 1202 - 2" Gas Line to be Relocated by Others.

END OF SECTION