2015 UV CIPP Sanitary Sewer Construction Package VII
Solicitation Number: CO-00023
Job No.: 15-4801

ADDENDUM 4
11/05/15

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.

MODIFICATIONS TO THE SPECIFICATIONS

1. Replace Bid Proposal with revised Bid Proposal attached.
2. Replace Special Conditions with revised Special Conditions attached.
3. Replace Special Provisions with revised Special Provisions attached.
4. Cost estimate has been revised and new cost estimate is $2,788,982.60.

RESPONSES TO QUESTIONS

1. **What is the backfill material requirement for this project? Native soil? Flowfill? Please clarify.**

   For backfill material requirement please refer to SAWS Standard Specifications for Construction Item No 804 – Excavation, Trenching and Backfill.

   If flowable fill is required for a project SAWS will pay for it. Please see flowable fill line item in bid proposal.

2. **What compaction tests are required on asphalt and trenched areas?**

   Refer to COSA specifications 205 Hot Mix Asphaltic Concrete Pavement in regards to asphalt requirements.

   For trench areas requirements please refer to SAWS Standard Specifications for Construction Item No 804 – Excavation Trenching and Backfill.

3. **Is smoke testing required for spot repairs?**

   No smoke testing will be required for spot repairs for this project.

4. **Variances in bypass pumping requirements for the same size pipes can be significant. It is difficult to estimate bypass pumping costs without knowing more about the specific job order locations. How are these variables supposed to be addressed on the bid form?**

   Please see revised Special Provisions to Technical Specifications and revised Bid Proposal and bid accordingly.

Will SAWS provide allowances for flow management conditions unknown to the contractor that exceed what was quoted on the bid form? Please clarify.

SAWS will not provide allowances for flow management.

5. **Please provide clarification of Item i, Payment for Paving Restoration (Page SPTS-5). As written, this item is unclear.**

Payment for paving restoration for each point repair located in Hot Mix Asphalt Concrete paving shall be measured as follows:
Width= Rehab pipe diameter+4 feet
Length=20 feet
Paving restoration will be paid for on a square yard basis. (Item#205 and #206)

6. **We respectfully request that SAWS add appropriately defined pay items to address each of the cost conditions listed below. The detail being requested in the form of a pay item would provide reasonable protection for both SAWS and the contractor on this unknown scope contract.**

    1. **Mobilization payment item per each work order.**

        No pay item will be added, Mobilization is incidental. Please refer to Item No. 2000 for Urgent Mobilization payment.

    2. **Bypass Pumping**

        a. **Pump Set Up (per Each Site – This is an Undefined Scope Contract)**
            i. **12-15" Diameter host pipe**
            ii. **18-21"**
        b. **Bypass Piping (per Each 1000 LF piping)**
            i. **12-15" Diameter host pipe**
            ii. **18-21"**
        c. **Bypass Pump Operation (per Pump Per Day)**
            i. **12-15" Diameter host pipe**
            ii. **18-21"**

    The following line items for estimated lengths of bypass were added to the Bid Proposal.

    - *Bypass Pumping (8"-15") per each set up (0 – 1500 LF bypass piping)*
    - *Bypass Pumping (8"-15") per each set up (1501 – 2000 LF bypass piping)*
    - *Bypass Pumping (8"-15") per each set up (2001 – 2500 LF bypass piping)*
    - *Bypass Pumping (8"-15") per each set up (2501 – 5000 LF bypass piping)*
    - *Bypass Pumping (18"-21") per each set up (0 – 1500 LF bypass piping)*
    - *Bypass Pumping (18"-21") per each set up (1501 – 2000LF bypass piping)*
    - *Bypass Pumping (18"-21") per each set up (2001 – 2500LF bypass piping)*
    - *Bypass Pumping (18"-21") per each set up (2501 – 5000 LF bypass piping)*

    Please see revised Special Provisions.

    If a P.E. Stamped Bypass Plan is required, then there should be a pay item for it.

    A P.E. Stamped Bypass Plan is not required.

If a SAWS approved Bypass Plan is mandatory, then restoration should always be paid for any required street cuts.

If the COSA/Bexar County/TXDoT requires the bypass line to be buried, SAWS will pay for restoration using existing contract bid line items.

3. Point Repair and Obstruction Removal by Excavation

a. Pay separately for backfill other than native soil.

iii. SAWS can fill in a fair market price (i.e.)

1. **Flow Fill**
2. **Concrete Encasement**
3. **Limestone**
4. **Gravel**
5. **Etc.**

SAWS will not pay separately for backfill except for soil deemed unstable. See answer below to question 3b.

b. Pay separately for surface cover items other than native soil.

iv. SAWS can fill in a fair market price (i.e.)

1. **Asphalt**
2. **Concrete Driveway**
3. **Concrete Street**
4. **Sidewalk**
5. **TxDOT Surface Cover Asphalt**
6. **TxDOT Surface Cover Concrete**
7. **Etc.**

SAWS will not pay separately for backfill except for soil deemed unstable. SAWS will pay for either select backfill or flowable fill if existing soil is unstable according to SAWS Specifications Item No. 804 – Excavation Trenching and Backfill. Please see Embankment line item in the revised Bid Proposal.
SAWS will pay for HMAC, asphalt restoration, for any point repairs done by excavation as detailed in the Special Provisions to Technical Specifications. SAWS will not pay for other surface cover items.

4. Traffic Control (per Day)

a. TxDOT lane closure
b. Commercial street lane closure
c. Residential street detour cones/barrels/signage
d. Arrow Boar
e. Flagman (per hour –SAWS can provide a fair rate)
f. Uniformed Officer (per hour – SAWS can provide a fair rate)

SAWS will pay for electronic message boards, barricades, signs and traffic handling.
Please see revised Special Conditions, revised Bid Proposal and revised Special Provisions to Technical Specifications.

If a P.E. Stamped Traffic Control Plan is required, then there should be a pay item for it.

SAWS will not pay for any required P.E. Stamped Traffic Control Plan.

It is imperative that more detailed pay items be provided to address each of the above listed (potential) cost circumstance. Pay items included on the bid form addressing the above cost is essential for any CIPP undefined scope contract. A quantity of 1 with a fair price filled in by SAWS would be far better than having no pay item at all.

7. **Will the contract time being established by each WO involve the Contractor suggestions prior to the WO being given?**

   The overall contract duration is fixed however, each individual work order will have its own duration. SAWS will estimate a work order duration and send out a scoping letter with a draft of the design plans. The contractor will then provide the required submittals for the work order, namely a by-pass plan, traffic control plan and a schedule. Significant differences between SAWS estimated duration and the contractor's duration will have to be reconciled. SAWS will make final approval of construction schedule.

8. **Considering UV liners are designed and built "line specific" from manhole to manhole will the contract time for each WO also include the time required to:**
   - **i. Determine the actual line length, depth, and inside diameter.**
   - **ii. Design and submit sealed calculations for each line segment, per specifications.**
   - **iii. SAWS review of each line segment submittal.**
   - **iv. Liner manufacturing once submittal has been approved by SAWS. (possibly weeks)**

   Duration for each WO includes the time identified above. Contractor is required to submit the WO schedule with detailed tasks and obtain SAWS approval.

9. **How long does SAWS have to review and provide comments on WO specific submittals?**

   Please refer to SAWS General Conditions, Article V section 5.12.2, sub section 3.

10. **How will liquidated damages be calculated for each WO?**

    Please see SAWS General Conditions, Article VIII, section 8.3, 8.6, Exhibit "C" Security Procedures.

    At what point will the WO be considered "Complete" since there does not seem to be a difference between substantial and final completion on the WO contracts.

    The Work Order will be considered "Complete" when SAWS Final Field Acceptance Checklist is executed.

11. **What is the process for acquiring permits from the City of San Antonio for each WO?**

    Please refer to City of San Antonio link [http://rowpermits.sanantonio.gov/ for the process of acquiring COSA ROW permits.](http://rowpermits.sanantonio.gov/)

    What is the Contractor responsible for and what is SAWS responsible for?

    SAWS issues Notice to Proceed to Contractor and copies City of San Antonio ROW point of contact. Contractor will then be responsible for applying and obtaining COSA ROW street cut permits and paying all fees associated with permits. SAWS is to coordinate with Historic Review prior to issuance of the WO.

12. **What "Cut Sheets" are required as part of the submittal for the WO's?**

    No cut sheets are required for CIPP. However construction "submittals" are required.

13. **Are traffic control plans typically included in the WO's?**

    Traffic control plans are NOT typically included in WO's. Please see Special Conditions, SC 2.4.

14. **Bid item 42, 864.0, "Bypass pumping (8"-12") per each work order" is vague and without further information a proposed bid price is very hard to determine. There needs to be a basis for establishing cost. What are the lengths of the proposed WO's (i.e. this could be 100 LF or 5,000 LF)?**

    Lengths are undefined. Please see revised Bid Proposal and revised Special Provisions to Technical Specifications to establish the cost of length.

Where are the locations of the proposed WO's (i.e. this could be easement area or TXDOT right of way)?

Locations/scope is undefined.

What are the flow rates of the proposed WO's?

No flow data will be provided.

15. **Bid item 43, 864.0, "Bypass pumping (15"-21") per each work order" is vague and without further information a proposed bid price is very hard to determine. There needs to be a basis for establishing cost. What are the lengths of the proposed WO's (i.e. this could be 100 LF or 5,000 LF)?**

    Lengths are undefined. Please see revised Bid Proposal and revised Special Provisions to Technical Specifications to establish the cost of length.

    Where are the locations of the proposed WO's (i.e. this could be easement area or TXDOT right of way)?

    Locations/scope is undefined.

    What are the flow rates of the proposed WO's?

    No flow data will be provided.

16. **Does the Contractor have the right to refuse a WO being proposed on the Contract?**

    By accepting the contract, Contractor is obligated to perform all work orders issued under the contract. SAWS will evaluate refusal of WO on case by case basis.

17. **Will WO's be billed separately and will retainage be withheld per WO?**

    Yes, work orders are billed separately, and yes, retainage is withheld per work order.

    Once a specific WO is complete, does SAWS release retainage on a WO by WO basis?

    Retainage is not released per WO completion.

    Or, does SAWS hold retainage for the entire Contract amount and release retainage once the entire Contract value is expended?

    SAWS will release retainage held on the contract, once the SAWS Contracting Department has been informed and accepted that no additional work orders will be issued, all issued work orders are completed and accepted, Surety forms have been signed and returned, and Payroll Records are complete.

18. **The Special Conditions state that, "It is the Contractor's responsibility for the submittal and layout of the Storm Water Pollution Prevention Plan, Traffic Control Plan, the Bypass Pumping Plan, Cut Sheets, and its approvals at no costs to SAWS. There will be no measurement or payment for the Storm Water Pollution Prevention Plan or Work, Tree Preservation Protection, Traffic Barriers such as CTB and LPCB, Warning Signage, Temporary Pavement Markings or Traffic Coordination." These items could be very costly to the Contract. Without further information a proposed cost for these items are very hard to determine. There needs to be a basis for establishing cost. What are the lengths of the proposed WO's (i.e. this could be 100 LF or 5,000 LF)?**

    Lengths are undefined. Please see revised Bid Proposal and revised Special Provisions to Technical Specifications to establish the cost of length.

Where are the locations of the proposed WO's (i.e. this could be easement area or TXDOT right of way)?

Locations/scope is undefined.

What are the flow rates of the proposed WO's?

No flow data will be provided.

What are the requirements for the City of San Antonio for opening streets back up to traffic nightly?

Refer to City of San Antonio web site https://www.sanantonio.gov/TCI/Services/RightofWayandPermits.aspx for requirements. The COSA ROW permit obtained by the Contractor, per Work Order (if applicable), will state any site specific requirements/limitations.

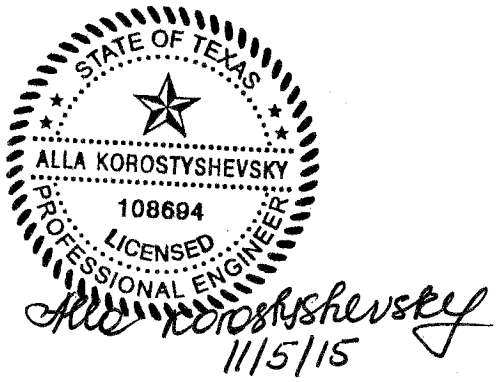
Will discharge piping need to be trenched in and covered when working in streets and intersections?

This will vary by WO and will need to comply and be coordinated with COSA ROW.

19. **Specification 905.10.10(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.**

Follow SAWS specifications.

Alla Korostyshevsky, P. E.
San Antonio Water System



ACKNOWLEDGEMENT BY RESPONDENT

Each Respondent shall acknowledge receipt of this Addendum No. 4 by noting such and signing the Bid Proposal.

This undersigned acknowledges receipt of this Addendum No. 4 and the bid proposal submitted herewith is in accordance with the information and stipulations set forth.

Date

Signature of Respondent

END OF ADDENDUM

2015 UV CIPP SANITARY SEWER CONSTRUCTION PACKAGE VII

Item No.	Spec. No.	Item Description	Unit of Measure	Qty.	Unit Price	Total Price
1	103.1	Remove Concrete Curb (COSA Spec)	LF	50	$_____	$_____
2	103.3	Remove Sidewalks and Driveways (COSA Spec)	SF	50	$_____	$_____
3	103.4	Remove Miscellaneous Concrete (COSA Spec)	SF	50	$_____	$_____
4	107.1	Embankment	CY	50	$_____	$_____
5	203.1	Tack Coat (COSA Spec)	GAL	187	$_____	$_____
6	205.3	Hot Mix Asphaltic Concrete Pavement, Type C (3" Compacted Depth) (COSA Spec)	SY	543	$_____	$_____
7	205.4	Hot Mix Asphaltic Concrete Pavement, Type D (2” Compacted Depth) (COSA Spec)	SY	1330	$_____	$_____
8	206.1	Asphalt Treated Base (ATB) (10” Compacted Depth) (COSA Spec)	SY	530	$_____	$_____
9	206.1	Asphalt Treated Base (ATB) (12” Compacted Depth) (COSA Spec)	SY	163	$_____	$_____
10	208.1	Salvaging, Hauling, and Stockpiling Reclaimable Asphaltic Pavement (2" Depth) (COSA Spec)	SY	1330	$_____	$_____
11	208.1	Salvaging, Hauling, and Stockpiling Reclaimable Asphaltic Pavement (3" Depth) (COSA Spec)	SY	543	$_____	$_____
12	247	Flexible Base-Type A, Grade I with 2% Cement (TxDOT Spec.)	CY	50	$_____	$_____
13	500.1	Concrete Curb (COSA Spec)	LF	90	$_____	$_____
14	500.4	Concrete Curb and Gutter (COSA Spec)	LF	85	$_____	$_____
15	502.1	Concrete Sidewalks (COSA Spec)	SY	80	$_____	$_____
16	503.1	Portland Cement Concrete Driveway (COSA Spec)	SY	40	$_____	$_____
17	503.2	Portland Cement Concrete Driveway - Commercial (COSA Spec)	SY	40	$_____	$_____
18	503.4	Asphaltic Concrete Driveway (COSA Spec)	SY	25	$_____	$_____
19	505.1	Concrete Riprap (5" Thick) (COSA Spec)	SY	40	$_____	$_____
20	507.1	New Residential Chain Link Wire Fence (4 ft. High) (COSA Spec)	LF	25	$_____	$_____
21	507.6	New Residential Wooden Privacy Fence (6 ft. High)	LF	40	$_____	$_____
22	515.1	Topsoil (COSA Spec)	CY	15	$_____	$_____
23	516.1	Bermuda Sodding (COSA Spec)	SY	20	$_____	$_____

2015 UV CIPP SANITARY SEWER CONSTRUCTION PACKAGE VII

Item No.	Spec. No.	Item Description	Unit of Measure	Qty.	Unit Price	Total Price
24	516.2	St. Augustine Sodding (COSA Spec)	SY	18	$_____	$_____
25	520.1	Hydromulching (Residential or Commercial) (COSA Spec)	SY	15	$_____	$_____
26	530.1	Barricades, Signs, and Traffic Handling, per each work order (COSA Spec)	EA	24	$_____	$_____
27	535.1	4 Inch Wide Yellow Line (COSA Spec)	LF	50	$_____	$_____
28	535.2	4 Inch Wide White Line (COSA Spec)	LF	50	$_____	$_____
29	535.7	24 Inch Wide White Line (COSA Spec)	LF	50	$_____	$_____
30	537.6	Pavement Marker (Type I-C) (COSA Spec)	EA	25	$_____	$_____
31	537.8	Pavement Marker (Type II-A-A) (COSA Spec)	EA	20	$_____	$_____
32	851.0	Adjusting Existing Manholes	EA	5	$_____	$_____
33	852.1	Sanitary Sewer Manhole, 4 ft. Diameter (0'-6')	EA	15	$_____	$_____
34	852.1	Sanitary Sewer Manhole, 5 ft. Diameter (0'-6')	EA	2	$_____	$_____
35	852.2	Sanitary Sewer Drop Manhole, 4 ft. Diameter (0'-6')	EA	2	$_____	$_____
36	852.2	Sanitary Sewer Drop Manhole, 5 ft. Diameter (0'-6')	EA	2	$_____	$_____
37	852.3	Extra Depth Manholes, 4 ft. Diameter (>6')	VF	15	$_____	$_____
38	852.3	Extra Depth Manholes, 5 ft. Diameter (>6')	VF	10	$_____	$_____
39	854.1	Sanitary Sewer Laterals	LF	50	$_____	$_____
40	854.2	Two-Way Sanitary Sewer Clean-out	EA	10	$_____	$_____
41	855.1	Reconstruction of Existing Manhole	EA	10	$_____	$_____
42	858.0	Concrete Encasement, Cradles, Saddles and Collars	CY	20	$_____	$_____
43	860.0	Vertical Stacks	VF	20	$_____	$_____
44	864.0	Bypass Pumping (8"-15") per each set up (0 - 1,500 LF of bypass piping)	EA	12	$_____	$_____
45	864.0	Bypass Pumping (8"-15") per each set up (1,501 - 2,000 LF of bypass piping)	EA	6	$_____	$_____
46	864.0	Bypass Pumping (8"-15") per each set up (2,001 - 2,500 LF of bypass piping)	EA	4	$_____	$_____

2015 UV CIPP SANITARY SEWER CONSTRUCTION PACKAGE VII

Item No.	Spec. No.	Item Description	Unit of Measure	Qty.	Unit Price	Total Price
47	864.0	Bypass Pumping (8"-15") per each set up (2501 - 5000 LF of bypass piping)	EA	2	$_____	$_____
48	864.0	Bypass Pumping (18"-21") per each set up (0 - 1,500 LF of bypass piping)	EA	4	$_____	$_____
49	864.0	Bypass Pumping (18"-21") per each set up (1,501 - 2,000 LF of bypass piping)	EA	4	$_____	$_____
50	864.0	Bypass Pumping (18"-21") per each set up (2,001 - 2,500 LF of bypass piping)	EA	2	$_____	$_____
51	864.0	Bypass Pumping (18-21") per each set up (2,501 - 5000 LF of bypass piping)	EA	2	$_____	$_____
52	866.0	Sewer Main Pre-Television Inspection (8” through 15” Diameter)	LF	7800	$_____	$_____
53	866.0	Sewer Main Post-Television Inspection (8” through 15” Diameter)	LF	7800	$_____	$_____
54	866.0	Sewer Main Pre-Television Inspection (18” through 21” Diameter)	LF	800	$_____	$_____
55	866.0	Sewer Main Post-Television Inspection (18” through 21” Diameter)	LF	800	$_____	$_____
56	905.0	UV CIPP 8" Sanitary Sewer Pipe, all depths	LF	6000	$_____	$_____
57	905.0	UV CIPP 10" Sanitary Sewer Pipe, all depths	LF	1000	$_____	$_____
58	905.0	UV CIPP 12" Sanitary Sewer Pipe, all depths	LF	500	$_____	$_____
59	905.0	UV CIPP 15" Sanitary Sewer Pipe, all depths	LF	300	$_____	$_____
60	905.0	UV CIPP 18" Sanitary Sewer Pipe, all depths	LF	300	$_____	$_____
61	905.0	UV CIPP 21" Sanitary Sewer Pipe, all depths	LF	500	$_____	$_____
62	910.0	Manhole Rehabilitation	VF	500	$_____	$_____
63	1103.1	Point repairs for 8" or 10" Diameter, (0'-10' depth) including up to 20 LF of piping	EA	15	$_____	$_____
64	1103.1	Point repairs for 8" or 10" Diameter, (10'-15' depth) including up to 20 LF of piping	EA	8	$_____	$_____
65	1103.1	Point repairs for 8" or 10" Diameter, (>15' depth) including up to 20 LF of piping	EA	3	$_____	$_____
66	1103.1	Point repairs for 12" or 15" Diameter, (0'-10' depth) including up to 20 LF of piping	EA	5	$_____	$_____
67	1103.1	Point repairs for 12" or 15" Diameter, (10'-15' depth) including up to 20 LF of piping	EA	5	$_____	$_____
68	1103.1	Point repairs for 12" or 15" Diameter, (>15' depth) including up to 20 LF of piping	EA	2	$_____	$_____
69	1103.1	Point repairs for 18" or 21" Diameter, (0'-10' depth) including up to 20 LF of piping	EA	5	$_____	$_____

2015 UV CIPP SANITARY SEWER CONSTRUCTION PACKAGE VII

Item No.	Spec. No.	Item Description	Unit of Measure	Qty.	Unit Price	Total Price
70	1103.1	Point repairs for 18" or 21" Diameter, (10'-15' depth) including up to 20 LF of piping	EA	5	$_____	$_____
71	1103.1	Point repairs for 18" or 21" Diameter, (>15' depth) including up to 20 LF of piping	EA	2	$_____	$_____
72	1103.2	Extra length point repair, 8" or 10" Diameter, all depths	LF	100	$_____	$_____
73	1103.2	Extra length point repair, 12" or 15" Diameter, all depths	LF	45	$_____	$_____
74	1103.2	Extra length point repair, 18" or 21" Diameter, all depths	LF	35	$_____	$_____
75	1103.3	Obstruction Removal by Excavation, 8" or 10" Diameter, all depths	EA	10	$_____	$_____
76	1103.3	Obstruction Removal by Excavation, 12" or 15" Diameter, all depths	EA	5	$_____	$_____
77	1103.3	Obstruction Removal by Excavation, 18" or 21" Diameter, all depths	EA	1	$_____	$_____
78	1103.4	Obstruction Removal by Remote Device, 8" or 10" Diameter, all depths	EA	5	$_____	$_____
79	1103.4	Obstruction Removal by Remote Device, 12" or 15" Diameter, all depths	EA	1	$_____	$_____
80	1103.4	Obstruction Removal by Remote Device, 18" or 21" Diameter, all depths	EA	1	$_____	$_____
81	1109.0	Service Reconnection, all depths (w/ remote control cut device)	EA	200	$_____	$_____
82	1109.0	Service Reconnection, (w/ open cut excavation, 0'-10' depth, including up to 10 LF of lateral)	EA	10	$_____	$_____
83	1109.0	Service Reconnection, (w/ open cut excavation, 10'-15' depth, including up to 10 LF of lateral)	EA	5	$_____	$_____
84	1109.0	Service Reconnection, (w/ open cut excavation, >15' depth, including up to 10 LF of lateral)	EA	5	$_____	$_____
85	2000.0	Urgent Mobilization	LS	5	$_____	$_____
86	4438.0	Flowable Fill	CY	50	$_____	$_____
87	SS6001	Portable Changeable Message Sign, two per work order (TXDOT Spec)	Day	68	$_____	$_____

Special Conditions

SC-1.0 SCOPE OF WORK

I. GENERAL

The San Antonio Water System is soliciting Bids for the purpose of retaining a Contractor to perform the rehabilitation, replacement and/or adjustment of existing SAWS sanitary sewer facilities using, UV cured-in place pipe (CIPP) method on a work order contract basis. Contractor shall guarantee the unit prices provided for in its proposal during the term of the agreement. SAWS does not guarantee, warrant or represent that it will utilize the amount of quantities estimated in the Bid Proposal. These quantities are estimations only.

The Contractor shall anticipate a period of careful planning in close coordination with SAWS prior to beginning any work to fully develop procedures and standards for the work that will be performed. Employee safety, workmanship standards, and maintaining the integrity of SAWS operations with minimal disruption will be the key areas to be addressed prior to beginning work.

The Work will entail but is not limited to: the rehabilitation, replacement and/or adjustment of sanitary sewer main by UV CIPP method with associated appurtenances all within the City of San Antonio, Bexar County, other governmental agencies and/or small municipalities, throughout SAWS' service area. Some of the work involved in the projects might require sidewalks, driveways, concrete curbs, concrete retaining walls, wheel chair ramps, topsoil, sodding, concrete steps, sign relocations, and asphalt replacement.

II. TERM OF SERVICE AGREEMENT

The construction contract will remain in full force for a period of **730 calendar days** or until funds are exhausted, whichever comes first, from issuance of the Authorization to Proceed and shall not exceed the total contract amount awarded. SAWS does NOT GUARANTEE that the Total Amount awarded will be assigned or expended by the awarded Contractor. The Contractor is to take into account the escalation of material cost when submitting the bid, as the unit price for the bid being submitted for each item is to remain unchanged for the duration of the contract.

SC-2.0 PROJECT REQUIREMENTS

SC-2.1 PERFORMANCE TIME

I. All work orders issued by SAWS, conforming to these Contract Documents, shall commence in accordance with the date specified on the work order

and completed within the calendar days provided under the work order. As time is of the essence in the completion of each work order it is up to the Contractor to provide enough work forces to accomplish the work orders and workload assigned and complete the work in accordance with the calendar days provided in the work order and the project schedule. Work orders not completed within the schedule will be subject to liquidated damages as called out in the General Conditions and/or the Supplemental Conditions. Contractors must have a minimum of **two (2) independent crews** available to start work orders simultaneously. The Bidder shall be required to have at least one crew and one superintendent who is qualified in the method of rehabilitation being performed on each work order job site during rehabilitation activities. Individual work orders issued during the term of this contract that have not been completed prior to the expiration of the term shall survive the termination of the Contract and remain in effect and subject to the term and conditions of the Contract until they are completed.

The Construction Time (Calendar Days) for each individual project site (work order) will be determined by SAWS Engineering staff with potential assistance from Consultant(s) and discussed between SAWS/Consultant and the Contractor. SAWS will have the final approval of the construction schedule.

II. **Standard Work Orders -** Contractor shall provide By-Pass Pumping Plan, Traffic Control Plan (if not provided by the Engineer in the plans), construction schedule and a copy of a lease agreement (Right-of-Entry Agreement) for storage site prior to issuance of a work order within seven (7) calendar days after the pre-construction meeting or issuance of project scoping letter. Failure to provide submittals by Contractor within seven (7) days of pre-construction meeting will, at SAWS sole discretion, result in reassignment of work order to other contracts.

III. **Urgent Work Orders -** If a work order is deemed by SAWS as urgent, SAWS reserves the right to accelerate the commencement of work. Contractor will first be notified in writing that SAWS has deemed this pending work order as urgent, a set of preliminary drawings and construction duration will be provided at this time. Contractor shall have 72 hours to submit By-Pass Pumping Plan, Traffic Control Plan (if not provided by the engineer in the plans), and construction schedule, to reflect SAWS provided construction duration, for review and approval. Failure of Contractor to provide submittals within 72 hours of written request will, at SAWS sole discretion, result in reassignment of work order to other contracts and the Contractor will not be eligible for any compensation. Upon approval of submittals, SAWS will issue the Contractor a Notice to Proceed. Contractor shall mobilize and begin construction operations with full bypass operations and submit to SAWS

a copy of the lease agreement (Right-of-Entry Agreement) within 72 hours of Notice to Proceed. Compensation for such acceleration per Specification 2000 – URGENT MOBILIZATION, will only be allowed if Contractor complied with these requirements. SAWS makes no estimation of the number of Urgent work orders that will be issued.

SC-2.2 SPECIFICATIONS

All work performed in connection with the work orders shall be in accordance with the current Contract Documents and San Antonio Water System Specifications for Water and Sanitary Sewer Construction dated April 2014, these Special Conditions, the current Texas Department of Transportation Standard Specification for Construction of Highways, Streets, and Bridges, the current City of San Antonio Standard Specifications for Public Work Construction, City of San Antonio Utility Excavation Criteria Manual, or Standard Specifications of any other governing jurisdiction that may apply, and any requirements or specifications specified or referenced therein.

SC-2.3 PAYMENT

As specified in the Contract Documents unit price cost for the items bid shall include all the necessary incidental work as subsidiary to the bid item, unless specifically called out in the plans or approved by SAWS.

SC 2.4 WORK ORDERS

I. All work orders that will be issued under this contract are unspecified at the time of bidding, all quantities are estimated in the proposal, and it is the intent of the proposal and quantities to establish a fixed unit price for various line items to be paid to the Contractor by SAWS during the term of this contract. No change in the unit price will be made, regardless of the actual quantity of the item of work performed during the initial term of the contract or required for the work order.

II. Individual bid items are for purposes of establishing unit price costs for that item only and individual work orders may or may not utilize those bid items depending on the scope of the work established by SAWS at the time of issuance of the Work Order.

III. A work order is defined as a document authorizing the completion of an individual project site or specific task. The work order includes specific line items and quantities that the contractor will perform which will be charged against the contract at a particular location within the City of San Antonio, Bexar County and other governmental agencies.

IV. SAWS does not warrant, represent or guarantee that a work order will be given within any specific timeline. SAWS also reserves the right to limit the number of work orders given out at any time. Issuance of a work order is contingent upon the Contractor providing SAWS an acceptable Work Progress Schedule (Construction Schedule) as required under the project Scoping Letter or pre-construction meeting. In addition, issuance of a work order is also contingent upon SAWS receiving from Contractor timely and accurate **By-Pass Plan, Traffic Control Plan, and any required Right-of-Entry Agreement(s)** as provided in the Project Scoping Letter or pre-construction meeting.

V. The volume of work orders provided to the Contractor will be at SAWS sole determination and is conditioned on the completion of previous work orders. If previous work orders are not completed to the satisfaction of SAWS or work orders currently under construction are behind schedule, additional work orders, at SAWS sole discretion, may not be assigned to the Contractor until all other work is completed or back on schedule.

VI. A pre-construction meeting may be scheduled by SAWS for each work order to be issued. SAWS may provide a written notification letter of an on-site pre-construction meeting for each work order issued. This meeting is required to plan the details of work and agree on the schedule of completion of work. Included in this meeting shall be coordination of notification to appropriate governing agencies and affected property owners, no less than 48 hours prior to beginning construction activities.

VII. There will be no measurement or payment for standard or urgent work orders for preparation of right-of-way; insurance; bonding; and permitting costs on this contract. Standard work orders will not receive measurement or payment for mobilization. All cost in connection shall be included in the applicable contract price based on the unit price for the items to which the work pertains.

VIII. It is the Contractor's responsibility for the submittal and layout of the Storm Water Pollution Prevention Plan, Traffic Control Plan, the Bypass Pumping Plan, and its approvals at no cost to SAWS. There will be no measurement or payment for the Storm Water Pollution Prevention Plan or Work, Tree Preservation Protection.

IX. The Contractor shall submit all record drawings as required to SAWS Inspections.

SC-2.5 <u>INSTRUCTION TO BIDDERS:</u>

To assist the San Antonio Water System in performing the bid evaluation and subsequent recommendation of award, Apparent Low Bidder shall

submit the following with their bid, in addition to requirements as stated in the Instructions to Bidders, page IB-7#24. Failure to provide the required information may result in a non-responsive bid:

(a) The San Antonio Water System is currently requesting bids for Sanitary Sewer Construction Contract. This Construction Contract is **UV CIPP construction contract only** and is not intended to be complete open cut replacement or pipe bursting contracts. These work orders projects issued under this contract will be constructed by UV CIPP construction method. Full open cut replacement and pipe bursting method **will not** be considered on these projects. SAWS requires that bidders have sufficient capacity and resources necessary to satisfactorily complete work orders issued under this contract. In evaluating bids, in order for SAWS to consider a bid responsive, bidder must provide evidence satisfactory to SAWS that they are able to provide **a minimum of two (2) independent crews**, fully staffed and equipped, to be actively working on concurrent work orders as issued under the contract, and must submit with their bid a detailed description of the available resources (which shall at a minimum provide a list of equipment and employees on the crew), demonstrating the ability of the bidder to have the **minimum two (2) independent crews** available at all times. Any bid package that does not include this information or any bidder who cannot make available at all times **a minimum of two (2) independent crews**, fully staffed and equipped, for any contract in which it is the lowest bidder may be determined to be non-responsive at the sole discretion of the San Antonio Water System. SAWS may have multiple contracts involving the same or similar work, either currently active, or to be bid concurrently with this Request for Bids. SAWS, in making a determination that a bidder has sufficient capacity in crews and equipment to provide the resources necessary to complete work orders as may be issued under this contract, may consider such other contracts or bids that bidder has submitted to SAWS.

(b) In order to provide a responsive Bid, the Bidder (Prime Contractor) must provide evidence, satisfactory to SAWS, of being a responsible bidder on other projects, by providing a minimum of three (3) **successfully completed** sanitary sewer projects within the last five (5) years. **As part of the evidence of responsible bidder, the Bidder shall submit project name, scope of sanitary sewer work performed (rehab type, pipe size and length), point of contact, construction cost, and construction start and completion dates.** If completion of those projects included the assistance of sub-contractors, prime must submit the names of the sub-contractors used on those projects and specify if those same subs will be used on this contract. Criteria to be evaluated by SAWS in reviewing

Special Conditions

Contractor's submitted successfully completed projects, will include but not be limited to, Contractor not defaulting on the contract, contract (or individual work orders as the case may be) being completed on time and contract (or individual work orders, as the case may be) incurring zero (0) Owner claims. The Bidder is also to submit the sub-contractors experience if they will be part of the crews doing the work for the Prime Contractor. Contractors should reference in their bid sanitary sewer projects that included UV CIPP construction method of a minimum of 5,000 linear feet of sanitary sewer mains (UV CIPP method) with a minimum size of eight (8) inch sanitary sewer mains and up to and including twenty-one (21) inch sanitary sewer main. One of the successfully completed sanitary sewer projects must include a twenty-one (21) inch main.

- END -

Special Provisions to Technical Specifications

A. Revision to C.O.S.A. Specification Item 530 (Barricades, Signs and Traffic Handling).

530.5 Under Measurement: the statement to be replaced currently reads as follows:

This item will be measured by "Lump Sum" as indicated on the plans.

The above statement will be replaced as follows:

This item will be measured by "per each work order" where barricades, signs and traffic handling is required.

530.6 Under Payment: The statement to be replaced currently reads as follows:

This item will be paid for at the contract lump sum price bid for "barricades, signs, and traffic handling". This price shall be full compensation for furnishing all labor, materials, supplies, equipment and incidentals necessary. To complete the work as specified. The lump sum price will be pro-rated based on the number of workdays in the project contract. Failure to complete the work within time allowed in the project contract due to approving designs, testing, material shortages, closed construction season, curing periods, and testing periods will not qualify for additional compensation. When additional work is added by an approved field alteration or when work is suspended for the convenience of the City, through no fault of the contractor, additional compensation may be paid to the Contractors.

The above statement will be replaced as follows:

This item will be paid for at the contract "per each work order" price bid for "barricades, signs, and traffic handling". This price shall be full compensation for furnishing all labor, materials, supplies, equipment and incidentals necessary to complete the work as specified. Failure to complete the work within time allowed in the project contract due to approving designs, testing, material shortages, closed construction season, curing periods, and testing periods will not qualify for additional compensation. When additional work is added by an approved field alteration or when work is suspended for the convenience of the City, through no fault of the contractor, additional compensation may be paid to the Contractor.

Remove Section 530.7 Bid Item in its entirety and Replace with the following:

530.7 BID ITEM:

Item 530.1 – Barricades, Signs and Traffic Handling (per each work order).

All other language in COSA Specification 530 remains in full force.

B. Revision to Standard Specification Item No. 864 (Bypass Pumping)

864.8 Under Measurement of Payment: The statement to be replaced currently reads as follows:

Measurement for the work specified herein will be by lump sum and as required by the contract documents. Payment of the "Lump Sum" bid for Bypass Pumping shall be in accordance with the following: Any effort required for multiple set-ups and operations shall be included in the lump sum price.

a. When initial set-up and operation of the bypass pumping system begins (including a successful test), 20% of the "Lump Sum" cost will be paid.

b. 60% of the "Lump Sum" cost will be paid over equal monthly payments (estimated from the BPP or other documentation approved by the Inspector) during the course of the bypass pumping operations.

c. 20% of the remaining "Lump Sum" cost will be paid upon an acceptable removal and/or disassembly of all the components of the BPP, including site cleanup.

d. For multi-bypass pumping setups, payment will be proportional to the overall amount of the established bid line item.

The above statement is to be replaced with the following:

Measurement for the work specified herein shall be "per each set up", and as required by the contract documents. Each "set up" shall include, but not limited to, charges for pump rental, pump and bypassing operation, fuel, bypass piping, labor, and mobilization of bypass pumping equipment. The bypass set up pay item shall be paid at each manhole location where bypass pumps are operated to draw all of the flow from the mainline sanitary sewer system so that the downstream

segment or segments of mainline sanitary sewer have no flow downstream, to the manhole where bypass piping discharges the flow.

Payment of the "per each set up" bid for bypass pumping shall be in accordance with the following:

a. *Bypass Pumping (8"-15"), per each set up (0-1,500 LF of bypass piping)*

b. *Bypass Pumping (8"-15"), per each set up (1,501-2,000 LF of bypass piping)*

c. *Bypass Pumping (8"-15"), per each set up (2,001-2,500 LF of bypass piping)*

d. *Bypass Pumping (8"-15"), per each set up (2,501-5,000 LF of bypass piping)*

e. *Bypass Pumping (18"-21"), per each set up (0-1,500 LF of bypass piping)*

f. *Bypass Pumping (18"-21"), per each set up (1,501-2,000 LF of bypass piping)*

g. *Bypass Pumping (18"-21"), per each set up (2,001-2,500 LF of bypass piping)*

h. *Bypass Pumping (18"-21"), per each set up (2,501-5,000 LF of bypass piping)*

Payment of the "per each set up" bid for Bypass Pumping shall be in accordance with the following:

a. When initial set-up and operation of the bypass pumping system begins (including a successful test), 20% of cost will be paid per each set up.

b. 60% of the "per each set up" cost will be paid over equal monthly payments (estimated from the BPP or other documentation approved by the Inspector) during the course of the bypass pumping operations.

c. 20% of the remaining "per each set up" cost will be paid upon an acceptable removal and/or disassembly of all the components of the BPP, including site cleanup.

d. For multi-bypass pumping setups, payment will be proportional to the overall amount of the established bid line item.

All other language in this specification 864 remains in full force.

C. Revision to Standard Specification Item No. 866 (Sewer Main Television Inspection)

866.1 Description: The statement to be replaced currently reads as follows:

The Contractor shall furnish all labor, materials, equipment, and incidentals to provide the televising and a NASSCO-(PACP) standard video, recorded in MPEG-1 format and written to DVD video, of sewer main and manholes utilizing a color, closed-circuit television inspection unit to determine their condition. The video shall include an inclinometer, visible on the video being viewed, noting the slope of the main being televised.

The above statement is to be replaced with the following:

The Contractor shall furnish all labor, materials, equipment, and incidentals to provide the closed-circuit televising. All inspections shall be in accordance with NASSCO PACP requirements and a NASSCO PACP database shall be submitted. All digital video files shall be color, closed-circuit TV in MPEG-1 format. The video shall include an inclinometer, visible on the video being viewed, noting the slope of the main being televised. The contractor shall provide all inspection data of mains and manholes written to a single storage device.

General Clarification: All references to DVD should be replaced with a single data storage device.

866.2 General: The statement to be replaced currently reads as follows:

After completion of the work specified in the contract documents, and prior to placement of the final course of asphalt or other final surface, the newly constructed or rehabilitated sanitary sewer main shall be televised immediately upon cleaning. Televising shall be observed by the Inspector or Engineer 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 repaired by the Contractor solely at his expense. Sections requiring repair shall be re-televised to verify condition of repair. No additional compensation shall be provided for all needed repairs, re-cleaning, or re-televising efforts.

The above statement is to be replaced with the following:

Before construction of the sanitary sewer main, if required, the main shall be televised to locate laterals, observe existing conditions and immediately upon cleaning or clearing existing main. The Contractor shall furnish all labor, equipment, appliances, and materials necessary for cleaning the sewer system including the removal of all debris, solids, sand, grease, grit, etc. from the sewer and manholes to facilitate television inspection. Televising shall be observed by the Inspector or Engineer and contractor as the camera is run through the system and shall be in accordance with NASSCO PACP guidelines. No additional compensation shall be provided for cleaning, clearing, or re-televising.

After construction of the sanitary sewer main and prior to placement of the final course of asphalt or other final surface, the newly constructed sanitary sewer shall be televised immediately upon cleaning. Televising shall be observed by the Inspector or Engineer, 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 repaired by the Contractor solely at his expense. Sections requiring repair shall be re-televised to verify condition of repair. No additional compensation shall be provided for all needed repairs, re-cleaning, or re-televising efforts.

866.3 Execution: The statement to be replaced currently reads as follows:

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

1. *Project name / SAWS Job # / Work Order #;*
2. *Date of television inspection;*
3. *Station to station location and size of sanitary sewer;*
4. *Street/easement location;*
5. *Name of Contractor;*
6. *Date DVD submitted;*
7. *DVD number;*
8. *SAWS Inspector Name.*

The above statement is to be replaced with the following:

The television unit shall also have the capability of displaying in color, on videos, pipe inspection observations such as pipe defects, sags, points of root intrusion, offset joints, service connection locations, and any other

relevant physical attributes. Each video shall be permanently labeled at the beginning of the video with the following:

1. *Project name / SAWS Job # / Work Order #;*
2. *Date of television inspection;*
3. *Manhole UNITIDs (as labeled on plans) and size of sanitary sewer;*
4. *Street/easement location;*
5. *Name of Contractor;*

Each video shall be submitted with the following information:

1. *Project name / SAWS Job # / Work Order #;*
2. *Date of television inspection;*
3. *Manhole UNITIDs (as labeled on plans and size of sanitary sewer;*
4. *Street/easement location;*
5. *Name of Contractor;*
6. *Date video submitted;*
7. *Data storage device number;*
8. *SAWS Inspector Name.*

All other language in this specification 866 remains in full force.

D. Revision to Standard Specification Item No. 1103

1103.4 (Measurement and Payment): The statement to be replaced currently reads as follows:

1. *Unit Prices-Point Repair.*

a. *Measurement for sewer line point of repair is on a unit price basis for each repair performed. Minimum length of pipe to be replaced for each repair, determined by depth of sewer line measured from natural ground to flow line at point of repair.*

b. *9 feet minimum length.*

c. *Measurement for sewer line extra length point repair is on a linear foot basis in excess of minimum replacement length specified above.*

d. *Payment for service lateral point repair is on a linear foot basis for all sizes of service laterals and for all depths (same unit price per linear foot, regardless of size and depth). No separate payment will be made for point repair done within the limits of a service lateral reconnection as defined in this Section. Minimum length of service lateral point repair is 3 feet.*

e. Measurement for hand excavation: When authorized by the Inspector in locations where excavation by machine is not suitable, no direct payment shall be made for hand excavation.

f. Measurement for abandonment of point repair by excavation: No direct payment shall be made for abandonment of point repair.

g. Measurement for abandonment of point repair by video inspection: No direct payment shall be made for abandonment of point repair by video inspection.

h. The cost of the following items of work are included in the unit prices for point repairs, and all associated work:

(1) Excavation, embedment and backfill;

(2) Hauling away and lawful disposal of excess excavated materials and debris;

(3) Pipe, pipe fittings, adapters and concrete collars;

(4) Smoke testing and any required retesting;

(5) Restoration of site improvements, including sodding;

(6) Post-cleaning video inspection;

(7) All other necessary work to complete.

The above statement is to be replaced with the following:

1. Unit Prices-Point Repair.

a. Measurement for sewer line point of repair is on a unit price basic for each repair performed. Minimum length of pipe to be replaced for each repair, determined by depth of sewer line measured from natural ground to flow line at point of repair.

b. *20 feet minimum length.*

c. Measurement for sewer line extra length point repair is on a linear foot basis in excess of minimum replacement length specified above.

d. Payment for service lateral point repair is on a linear foot basis for all sizes of service laterals and for all depths (same unit price per linear foot, regardless of size and depth). No separate payment will be made for point repair done within the limits of a service lateral reconnection as defined in this Section. Minimum length of service lateral point repair is 3 feet.

e. Measurement for hand excavation: When authorized by the Inspector in locations where excavation by machine is not suitable, no direct payment shall be made for hand excavation.

f. Measurement for abandonment of point repair by excavation: No direct payment shall be made for abandonment of point repair.

g. Measurement for abandonment of point repair by video inspection: No direct payment shall be made for abandonment of point repair by video inspection.

h. The cost of the following items of work are included in the unit prices for point repairs, and all associated work:

(1) Excavation, embedment and backfill;

(2) Hauling away and lawful disposal of excess excavated materials and debris;

(3) Pipe, pipe fittings, adapters and concrete collars;

(4) Smoke testing and any required retesting;

(5) Restoration of site improvements, including sodding; Separate measurement and payment will be made for paving restoration as detailed in Item h below.

(6) Post-cleaning video inspection;

(7) All other necessary work to complete.

i. Payment for paving restoration for each point repair located in HMAC paving shall be measured as follows: width = Rehab pipe

diameter + 4 feet and length = 20 feet. Paving restoration will be paid for on a square yard basis. (Item Nos. 205 and 206) The Contractor shall not be paid for said paving restoration if the project or work order for which point repair is to be made already requires full paving restoration.

All other language in this specification 1103 remains in full force.

E. Revision to TxDOT Special Specification 6001 (Portable Changeable Message Sign).

Under Measurement: The statement to be replaced currently reads as follows:

This item will be measured by each PCMS or by the day used. All PCMS units must be set up on a work area and operational before a calendar day can be considered measureable. When measurement by the day is specified, a day will be measured for each PCMS set up and operational on the worksite.

The above statement is to be replaced as follows:

This item will be measured by each PCMS per work order.

All other language in TxDOT Special Specification 6001 remains in full force.

- END -