



SAN ANTONIO WATER SYSTEM
2010 OPEN CUT WATER
WORK ORDER CONSTRUCTION CONTRACT
SAWS Job No. 10-4001
SAWS Solicitation No. B-10-044-CM

ADDENDUM NO. 1
October 25, 2010

To Bidder of Record:

This addendum, applicable to work referenced above, is an amendment to the bidding documents 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 in the space provided in submitted copies of the proposal.

Item 1: Responses to Bidders Questions

Question 1: On item number 818 what class of PVC is SAWS requiring on this job?

Answer: PVC class shall be per SAWS standard material specifications for C900 and C905 PVC Pressure Pipe:

For 4" through 12" diameter polyvinyl chloride (PVC) pressure pipe, all C900 PVC pipe shall be Class 150 (DR18) having a sustained pressure requirement of 500 psi (ASTM D2241) and a minimum burst pressure of 755 psi (ASTM D1599). C900 PVC pipe installed in the SAWS High Pressure Zone shall be Class 200 (DR14) having a sustained pressure requirement of 650 psi (ASTM D1598) and a minimum burst pressure of 985 psi (ASTM D1599).

For 14-inch diameter through 36-inch diameter polyvinyl chloride (PVC) potable water transmission pipe, all C-905 PVC pipe shall have a pressure rating of 235 psi and a dimension ratio of 18 or have the highest pressure rating available for each size of pipe.

Work orders are unspecified at this time. However, C900 PVC Class 200 (DR14) pipe may be required for some work orders.

Question 2: Will plans for the 2010 open cut construction project be posted on your website and will there be a copy of the prebid meeting sign in sheet?

Answer: There will not be any plans posted to SAWS website as all work orders are unspecified at this time. For a copy of the prebid meeting sign in sheet, please see the attachment following the meeting notes.

Item 2: Special Conditions

Add the following Special Condition to SC-4.2 General Notes:

- “7. Trenches in alleys actively being used by vehicles (such as trash pickup, vehicle parking, etc.) shall be restored by grading and compacting to 98% or higher with a minimum of 4 inches of flex-base materials for the entire width of the alley. Flexible base materials for alley restoration shall be paid for under Item 200.1 Flexible Base (4” Compacted Depth) (Type A).”

Item 1: Specification No. 200 Flexible Base

REPLACE the first sentence of the third paragraph in Section 200.2, Construction Methods of SAWS Standard Specification No. 200 Flexible Base:

“Flexible base shall be compacted to an apparent dry density of not less than 95% of the maximum dry density as determined in accordance with TXDOT Test Method Tex 113-E.”

with the following sentence:

“Flexible base shall be compacted to an apparent dry density of not less than 98% of the maximum dry density as determined in accordance with TXDOT Test Method Tex 113-E.”

Item 3: Specification No. 805 Supplement to City of San Antonio Street Cut Policy

The following has been added to Section 805.3.1.3:

“Flexible base, where required shall be compacted to 98%.”

Delete and replace with the attached revised Specification No. 805 – Supplement to City of San Antonio Street Cut Policy.

Item 3: Mandatory Pre-Bid Meeting

Meeting Notes are attached for information only. Per the Invitation to Bidders, only attendees to the Mandatory Pre-Bid Meeting are allowed to bid the project. The pre-bid meeting sign-in sheet is attached.

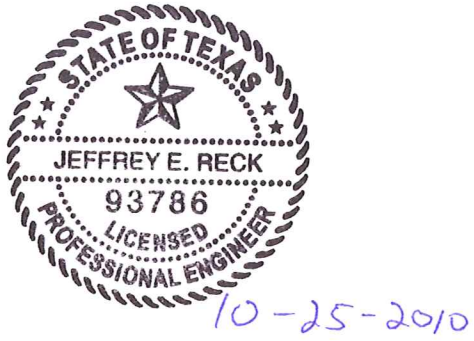
The remainder of the bid documents remains unchanged.

This Addendum, including this page, is twelve (12) pages in its entirety.

Each bidder is requested to acknowledge receipt of this Addendum No. 1 by his/her signature affixed hereto and to file same as an attachment to his/her bid.



Jeffrey E. Reck, P.E.
Project Manager
LNV
TBPE Firm No. F-366



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

END OF ADDENDUM

ITEM NO. 805
SUPPLEMENT TO CITY OF SAN ANTONIO STREET CUT POLICY
(Traffic Coordination)

805.1 DESCRIPTION: It is the intent of this specification to provide a supplementary standard to the City of San Antonio Right-of-Way Ordinance and Criteria Manual. In addition, to provide a traffic control plan from the Contractor, when required by any governing jurisdiction signed by a Professional Engineer.

805.2 REFERENCES:

- A. City of San Antonio Right-of-Way Ordinance and Criteria Manual
- B. San Antonio Water System Standard Specifications for Construction
- C. City of San Antonio Standard Specifications for Public Works Construction
- D. Texas manual on Uniform Traffic Control Devices
- E. Texas Department of Transportation (TxDOT) Barricade and Construction Standards BC (1)-99 through BC (9c)-98

805.3 PAVEMENT REPLACEMENT MATERIAL:

805.3.1 The Contractor shall remove and replace all pavements and base materials in accordance with Item No. 511, Cutting and Replacing, City of San Antonio Specifications for Public Works Construction except that asphalt treated base will be used in lieu of concrete base.

805.3.1.1 On arterial and collector streets, the Contractor shall replace the existing street section with 10 inches of Asphalt Treated Base Type "A" compacted to 95% in three equal layer lifts followed by 3 inches of Hot Mix Asphalt Pavement Type "C". On residential and local streets the Contractor shall replace the existing street section with 6 inches of Asphalt Treated Base Type "A" compacted to 95% in two equal lifts followed by 2 inches of Hot Mix Asphalt Pavement Type "D". (Item No. 511.3)

805.3.1.2 On arterial, collector, residential and local streets that are scheduled to be milled and overlaid by the Contractor, the Contractor shall replace the existing street section with 12 inches of Asphalt Treated Base Type "A" compacted to 95% in three equal layer lifts. (Item No. 511.3)

805.3.1.3 Flexible base, where required shall be compacted to 98%.

805.3.2 The replacement of pavements and base materials shall not be started until the Construction Inspector has approved the base and backfill upon which the pavement and base are to be placed, respectively. The City's Construction Inspector reserves the right to perform density test (compaction tests) on pavement replacement. If

density test does not meet minimum 95% compaction required, the Contractor shall remove and replace pavement replaced at the Contractor's expense.

805.4 PAVEMENT CUTS

805.4.1 The Contractor shall remove pavement and road surface as a part of the trench excavation. The amount removed shall not exceed the maximum trench width pay limits as identified in Drawing No. DD-804-01, San Antonio Water System Standard Specifications for Construction.

805.4.2 Prior to final pavement replacement, the Contractor shall pre-saw cut the maximum trench width limits. Gouged and scarred areas (jagged edges) of the pavement are not allowed. All pavement cuts must be straight and any offsets shall be tapered at 500 linear feet intervals. If the Contractor removes or damages pavement or surface beyond the defined trench width limits or saw cuts are not linear, such pavement or surfaces shall be saw cut and replaced or repaired by the Contractor prior to placing final street pavement. Any replacement or repair will be provided at the Contractor's expense.

805.4.3 Payment for the purpose of computing quantities for compensation, payment to the Contractor for final pavement replacement shall be made on the basis of each square yard of pavement replaced, but not to exceed the maximum trench width per linear foot of pipe installed as identified in Drawing No. DD-400-01, San Antonio Water System Standard Specifications for Construction.

805.5 OPEN TRENCH:

805.5.1 The Contractor shall not have more than a combined 1000 linear feet of unasphalted street trench at any one time. Only asphalt treated base (black base) brought up to ¼-inch of the existing pavement will be accepted as all-weather surface material. There will be no direct pavement for asphalt treated base used as temporary all-weather material but shall be included in the contract price for pavement replacement item(s) to which the work pertains. The Contractor shall not have more than a combined 500 linear feet of excavated (open) trench at any one time, including streets and alleys, or intersections. The Contractor may request exceptions to these limits, but approval from the Engineer is required before additional trenching can start.

805.6 TRAFFIC REQUIREMENTS:

805.6.1 Unless specifically directed otherwise or modified as may be appropriate by the SAWS or governing jurisdiction's Construction Inspector, the Contractor shall execute work in accordance with the following traffic requirements:

1. It is the contractor's sole responsibility to see that all traffic control devices are properly installed and maintained at the job site in accordance with the plans, specifications and related industry standards and regulations. **These notes, do not, in and of themselves, constitute a Traffic Control Plan. In the event that the plans do not include traffic control, or that the Contractor wishes to vary from traffic control included with the plans, he shall submit for review a Traffic Control Plan sealed by a Professional Engineer registered in the State of Texas,** including a sign and barricade plan conforming to the requirements of the Texas Manual on Uniform Traffic Control Devices. The City or governing jurisdiction's construction observer / inspector (COI) and the traffic engineering representative will only be responsible to inspect the traffic control devices being deployed. If, in the opinion of the traffic engineering representative and the COI, the traffic control devices do not conform to established standards or are incorrectly placed or are insufficient in quantity to protect the general public, the COI shall have the option to stop construction operations at no expense to the City or governing jurisdictions until such time as the conditions are corrected by the contractor.
2. Prior to **starting construction, the contractor shall contact the City of San Antonio Traffic Operations Section at 207-7720 (or governing jurisdiction) for a traffic sign and traffic signal inventory.** Prior to completion of the contract and removal of the barricades, the contractor shall again contact the Traffic Operations Section. The barricades shall not be removed until all applicable permanent traffic signs and signals are in place.
3. It is the contractor's responsibility to obtain and maintain temporary stop signs and all other traffic control devices required to protect the general public. If the City of San Antonio (or other governing jurisdiction) has removed permanent stop signs, the contractor shall request that the signs be returned to the construction site to be reinstalled by the contractor. All permanent signs or traffic control devices missing or damaged upon completion of construction shall be replaced at the contractor's expense.
4. The contractor must contact the City's (or other governing jurisdiction) COI 48 hours in advance (not including weekends) of any minor street closure. It will be the contractor's responsibility to advise the COI 10 days in advance of and arterial total street closure. This much time is necessary to install advisory signs and give the motorists a minimum of 7 days notice of the street closure. The COI after being notified will contact the traffic engineering office to make the necessary arrangements.
5. As work progresses, location of temporary traffic control devices will be adjusted and modified, as necessary by the contractor at contractor's expense.

6. If the need arises, additional temporary traffic control devices, special directional devices, and/or business name signs may be ordered by the traffic engineering representative at the contractor's expense.
7. Temporary traffic control devices shall conform to the TxDOT Barricade and Construction Standards (a copy attached herein) and to the Texas Manual on Uniform Traffic Control Devices.
8. The contractor must maintain all streets within project limits open to through traffic by repairing trenches, potholes, leveling up with asphalt, etc. at no direct payment, with the cost to be included in other items.
9. The contractor shall be responsible for providing suitable access accommodations for school children and pedestrians.
10. The contractor shall provide access for delivery of mail by the U.S. Postal Service.
11. The contractor shall provide for access to residences and all businesses at all times within all the phases of the work.
12. When construction work necessitates the utilization of vehicle paths other than the lanes normally used, traffic control markings no longer applicable shall be removed and approved temporary pavement markings and signs installed in accordance with Part VI-D of the Texas Manual on Uniform Traffic Control Devices.

After construction is completed and traffic is rerouted back to the original lanes, the traffic control markings and/or raised buttons that were originally removed from the existing pavement must be replaced. In addition, temporary markings must be removed. All of this is to be done at no direct payment; cost should be included in other items.

13. Permanent pavement markings shall be applied prior to the opening of the completed street to traffic. Temporary additional short-term expendable pavement markings may be provided prior to the application of permanent markings in minimum lengths of 36", or raised pavement markings to delineate continuity until such time as standard pavement markings in normal lengths can be placed at no direct payment.
14. The Contractor shall monitor the traffic control devices and will be responsible to furnish all residents and businesses with an information flyer on all phases of the job during construction.

15. Any damage to permanent traffic signals, the controller box, loops or conduits during or upon completion of the project shall be repaired or replaced at the contractor's expense. The decision to repair, as opposed to replace, the damaged equipment shall be made by the City's Traffic Engineer or governing jurisdiction's representative.
16. The contractor is responsible for repairing all streets outside of the project limits which are damaged due to construction activities. The replaced section must be approved by the City's Street Engineer or governing jurisdiction's representative. There will be no direct payment for this work. The cost is to be included in other items.
17. Off-duty police officers may be required as directed by the Traffic Engineer (or governing jurisdiction's representative). This will be a requirement where two-way traffic is to be maintained. No separate pay will be made for off duty police officers. Costs for off-duty police officers shall be subsidiary to barricades, signs, and traffic handling.
18. If split construction is shown, then the main shall be completed prior to beginning street and drainage construction, and traffic shall be maintained or detoured as directed by the Traffic Engineer or governing jurisdiction's representative. There will be no additional payment for the maintaining of traffic or detours.
19. The contractor shall provide the city or governing jurisdiction's representative an emergency telephone number for evenings, weekends, and holidays by the first working day of the project. This telephone number must be a commercial answering service. The answering service must be able to contact the contractor and have the contractor respond to the City staff within two hours of the initial contact.
20. **The contractor shall maintain continuous access to all intersecting streets unless otherwise shown on these plans. When continuous access is scheduled to be blocked, the contractor shall contact the dispatchers for the Fire Department and EMS at (210) 227-8341 and the Police Department at (210) 207-2257 (or other local governing corresponding departments), to apprise them of the pending street closure at least forty-eight hours in advance. If the closure falls along a bus route, the contractor shall also contact VIA at (210) 362-5220.**
21. **The contractor shall maintain either the existing or temporary street name signs at each intersection onsite throughout construction. If the existing street name signs are used, they must be maintained in the**

condition encountered prior to the beginning of construction, and then be turned in to the City Inspector at the end of the project. If temporary signs are used during construction, they shall have a minimum of 4-inch letters, and may be fabricated with construction zone material (black legend on orange background, using plywood substrate, etc.).

805.6.2 Payment. Payment for each Traffic Control Plan (if required) will be made upon completion of each individual work order in which the Traffic Control Plan is required. Traffic Coordination is considered the necessary submittal and approval of a traffic control plan(s) to the City of San Antonio Traffic Engineering Department or other governing jurisdiction for the referenced project as stated in the traffic requirements in this specification. All other work traffic requirements stated are considered incidental to the work or to be paid under item 530 (barricades, signs and traffic handling).

805 Traffic Control Plan: Per each traffic control plan signed and sealed by a professional engineer. Contractor shall be compensated for up to one (1) traffic control plan per work order if a traffic control plan is necessary.

**MANDATORY PRE-BID MEETING NOTES
SAN ANTONIO WATER SYSTEM
2010 OPEN CUT WATER
WORK ORDER CONSTRUCTION CONTRACT
SAWS Job No. 10-4001
SAWS Solicitation No. B-10-044-CM**

I. MEETING TIME/PLACE

- Thursday, October 21, 2010 2:00 p.m.
- SAWS, Tower II, Conf. Rm. 137

III. INTRODUCTION AND SIGN-IN

Sandra L. Gomez, P.E.
San Antonio Water System

IV. PROJECT DISCUSSION

1. Record of Performance Submittals will be required with Bid.
2. Date of submission of written questions is Friday at 4:00 pm and Addendum is anticipated to be issued before the close of business on Monday, October 25th.
3. Bid Opening is October 29, 2010 at 10:00 a.m.

V. QUESTIONS

- Does this contract have locations identified as previous construction contracts had?
This contract is not affiliated with previous contracts and does not have any locations identified. Potential work orders are all unspecified at this time.
- Will this be similar to Package IV and V, consisting of alley work?
This contract is not the same as those packages and projects at this time are unspecified but could include both main replacements and new mains.
- Will SAWS apply for COSA ROW permits?
Yes, SAWS will apply for COSA permits.
- For tree bid items, what type of trees will be required?
Projects are unspecified at this time; it is unknown what type of trees will be required. It is up to the bidder to determine if they wish to assume the worst case scenario for their bid proposal.
- Will sodding, etc. be related to jobs on water main work orders?
Yes. Items such as sodding will be used in relation to water main replacement and installation work orders and not as sodding and landscaping only projects.
- Will an asbestos abatement plan be required?
Asbestos abatement plans may be required but all work orders are unspecified at this time. A bid item is included in the proposal.

- Do bid items for tees, tapping sleeves, etc. specify material of existing line being cut into?
No, all work is unspecified at this time.

VI. CLOSING COMMENTS

- Submit questions in writing by 4:00 PM (CST) on October 22, 2010 to Cynthia Medina at cgmedina@saws.org. Questions regarding the content or interpretation of the Bid Documents must be submitted in writing to be considered valid and to elicit a response.
- Bids are due prior to 10:00 AM, October 29, 2010 @ The Contract Administration Division, 2800 U.S. Hwy 281 North, Customer Center Building, Suite 171, San Antonio, Texas 78212
- Bids will be publicly opened and read aloud by the SAWS Contract Administration Division in Conference Suite 169, SAWS Customer Center Building.

SAN ANTONIO WATER SYSTEM

MANDATORY PRE-BID CONFERENCE

2010 Open Cut Water Work Order Construction Contract

SAWS Job No. 10-4001

October 21, 2010

SIGN -IN

No	NAME	COMPANY	Email	PHONE NUMBER
1	Sandra L. Gomez, P.E.	SAWS	Sandra.Gomez@saws.org	(210) 233-3483
2	Rosa Valdez, E.I.T.	SAWS	Rosa.Valdez@saws.org	(210) 233-3526
3	David Smith	ELLA	dsmith@ellasa.com	210 6889500
4	JEREMIAH Jones	RL Jones LP	Admin@rjoneslp.com	4966223
5	George Garcia	Promo Sodal		633-2039
6	WADE Tschiedart	Du-MOR	WADE@DU-MOR.NET	684 7211
7	Joy Harquoder	Du-MOR	Joy@Du-Mor.net	684-7211
8	CURTLEY SWANN	PIPELAYERS INC.	CURTLEY@PIPELAYERSINC.COM	684-7400
9	Adam Hackebesl	United Ruled Trench Safety	ahackebe@ur.com	210-862-4754
10	LARRY HUNNICUTT	Holloman Utilities	RodneyS@holloman.com	667-9925
11	Hugo Montemayor	Atlas Construction	hmontemayor74@yahoo.com	830-265-0942
12	JIMMY FARIAS	Ferguson Wareworks	Jimmy.Farias@ferguson.com	210-333-8410
13	Cynthia Medina	SAWS	Cmedina@saws.org	210-233-3406
14	Jeff Reck	LNV	JRECK@LNVINC.COM	822-2232
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