



**Louis Pasteur 12-inch Water Main Replacement
Solicitation Number: CO-00208
Job No.: 16-4015**

**ADDENDUM 1
January 3, 2019**

To Bidder 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.

RESPONSES TO QUESTIONS

- 1. Question: In the Statement of Bidder's Experience Project A-3, the specified requirement states between 4,000 to 7,000 CY of HMAP. Should this read 4,000 to 7,000 SY of HMAP? Please advise.**
Response: Statement of Bidder's Experience Project A-3 has been revised to read 4,000 to 7,000 SY of HMAP. Please see attachment revised Statement of Bidder's Experience Project A-3.
- 2. Question: When will the job start/be awarded?**
Response: This project is tentatively scheduled for construction in March 2019 pending City agreement for reimbursement and pending completion of current pavement improvement work at the site. SAWS Contracting may postpone awarding this contract and Notice-To-Proceed until agreement with the City is reached or until current City pavement construction work is completed.
- 3. Question: Is a geotechnical report available?**
Response: No Geotech report was prepared for this project.
- 4. Question: Can we get an excel version of the bid tab?**
Response: An excel version of the bid tab will not be made available for this project.
- 5. Question: Are there any known contaminated soils/liquids?**
Response: SAWS does not have any information regarding contaminated soils/liquids in the project site. City of San Antonio (COSA) is currently installing pavements and storm drains at the job site; therefore, COSA may have some information.
- 6. Question: Can a pay item be added for the excavation of flowable fill over the existing storm drain?**
Response: SAWS specification 804-EXCAVATION, TRENCHING AND BACKFILL paragraph 804.1 states "... all excavation shall be unclassified ..." and therefore shall not be measured for payment.

7. Question: Can the following pay items be added concerning low profile concrete barrier (LPCB)?

- **Furnish & Install LPCB**
- **Move LPCB**
- **Remove LPCB**

Response: City of San Antonio pay item COSA 530.1-BARRICADES, SIGNS & TRAFFIC HANDLING already includes furnish, install, move, reset and removal of LPCB.

8. Question: Are the replacement of curbs/sidewalks, ATB, and flowable fill backfill for the services subsidiary to the services?

Response: SAWS Item 824- WATER SERVICE SUPPLY LINES considers the replacement of curbs/sidewalks, and ATB for the services subsidiary to the services. Flowable fill backfill for the services is a contractor's option and shall be subsidiary to the services.

9. Question: Mobilization and Prep ROW can both be up to 5% of the total bid per the project manual. Can the mobilization pay item be changed to reference 10% of the total bid?

Response: Mobilization pay item has been changed to reference 10% of the total bid. Please see attached revised Bid Proposal.

10. Question: Is there a Geotech report? What type of soil will we encounter, is the water table high in this area?

Response: See response to Question No. 3 of this addendum.

11. Question: Bore pit is too short for bore machine and tracks to push the pipe, can we extend the bore pit if there is enough room to extend (30ft) and will SAWS pay for extra flowable fill?

Response: The bore pit length is limited by the available space to provide 2-way traffic during construction. The contractor shall have to use shorter length casings to complete the task.

12. Question: Can bore be installed at a 0% slope below all existing lines?

Response: The contractor may install the bore and casing at 0% slope at the contractor's expenses. Doing so will result in deeper proposed water main at the bore pit location. The contractor shall be responsible for furnishing and installing the extra shoring, backfill, pipes and fittings necessary to complete the task.

13. Question: Sheet 48 of 77 shows an existing storm drain, what is the size of this storm drain?

Response: The said existing storm drain is a 3'x5' SBC with the flowline at approximately 3.7' deep and having about 9 inches of cover.

14. Question: Based on the quantities for flowable are the services backfilled with flowable fill?

Response: The quantity for flowable fill does not include the water services. Flowable fill for water services is a contractor's option and shall not be measured for payment.

15. Question: The Mobilization and Pre-ROW is usually 10% mob and 5% Prep ROW as per specs, why is the mob only 5%?

Response: See response to Question No. 9 of this addendum.

CHANGES TO THE SPECIFICATIONS

1. BID PROPOSAL. The previous Bid Proposal is replaced with the attached revised Bid Proposal, noting the following changes:

Changes:

- A. Minor formatting to Total Bid Price line, the signature block lines and some spacing throughout
- B. Standard language inclusion at end of first page
- C. Wording of COSA Spec. no. 208.1 revised
- D. Mobilization pay item has been changed to reference not to exceed 10% of the total bid.
- E. Added (2) two line items to SAWS Improvement list for Spec No. 3100 & 3200.

2. STATEMENT OF BIDDER'S EXPERIENCE. The Statement of Bidder's Experience for PROJECT A-3 is replaced with the attached revised Statement of Bidder's Experience for PROJECT A-3, noting the following changes:

Changes:

Project A-3 demonstrates construction experience with Mill and Overlay

projects consisting of 4,000 to 7,000 SY of hot mix asphalt pavement.

CHANGES TO THE PLANS

1. Sheet 4 of 77 - SUMMARY OF QUANTITIES, has been revised to match the bid proposal.

CLARIFICATIONS

1. SAWS Cost Estimate has been modified from \$1,871,456.10 to \$1,773,000.00

END OF ADDENDUM

This Addendum, including these Three (3) pages, is Eight (8) pages with attachments in its entirety.

Attachments:

1. Bid Proposal
2. Statement of Bidders Experience
3. Sheet 4 of 77 - SUMMARY OF QUANTITIES

K.W. Chan, P.E.

Engineer Name

Unitech Consulting Engineers, Inc.



BID PROPOSAL

PROPOSAL OF _____, a corporation

a partnership consisting of

an individual doing business as

THE SAN ANTONIO WATER SYSTEM:

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

(PLEASE SEE ATTACHED LIST OF BID ITEMS)

TOTAL BID PRICE \$ _____

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

BIDDER'S SIGNATURE & TITLE

FIRM'S NAME (TYPE OR PRINT)

FIRM'S ADDRESS

FIRM'S PHONE NO. /FAX NO.

FIRM'S EMAIL ADDRESS

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

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

The bidder offers to construct the Project in accordance with the Contract Documents for the contract price, and to complete the Project within **280** calendar days after the start date, as set forth in the Authorization to Proceed. **The bidder understands and accepts the provisions of the contract Documents relating to liquidated damages of the project if not completed on time.**

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

SAWS IMPROVEMENTS					
Spec No	Description	Unit	Quantity	Unit Price	Extension
COSA 205.2	HMACP TYPE "B" (12" COMPACTED DEPTH)	S.Y.	1324		
COSA 413	FLOWABLE FILL	C.Y.	1173		
COSA 500.1	CONCRETE CURB	L.F.	168		
COSA 502.1	CONCRETE SIDEWALKS	S.Y.	146		
COSA 503.1	PORTLAND CEMENT CONCRETE DRIVEWAYS	S.Y.	45		
COSA 503.4	ASPHALTIC CONCRETE DRIVEWAY	S.Y.	54		
COSA 530.1	BARRICADES, SIGNS & TRAFFIC HANDLING	L.S.	1		
550	TRENCH EXCAVATION SAFETY PROTECTION	L.F.	2879		
814	12" DUCTILE IRON PIPE	L.F.	2879		
824	RELAY 3/4" LONG SERVICE	EA.	5		
824	RELAY 1" LONG SERVICE	EA.	2		
824	RELAY 1 1/2" LONG SERVICE	EA.	7		
824	RELAY 2" LONG SERVICE	EA.	7		
824	RELAY 4" LONG SERVICE	EA.	1		
824	RELAY 6" SHORT SERVICE	EA.	2		
824	RELAY 6" LONG SERVICE	EA.	1		
824	RELAY 12" SHORT SERVICE	EA.	1		
824	RELAY 6" FIRE LINE	EA.	4		
824	RELAY 10" FIRE LINE	EA.	1		
824	NEW 3/4" LONG UNMETERED SERVICE	EA.	1		
828	8" GATE VALVES	EA.	2		
828	12" GATE VALVES	EA.	8		
831	12" X 12" CUT-IN TEE (COMPLETE)	EA.	1		
832	16" X 12" TAPPING SLEEVES & VALVES	EA.	1		
833	NEW METER BOXES	EA.	27		
834.1	FIRE HYDRANT	EA.	7		
836	PIPE FITTINGS, ALL SIZES AND TYPES	TON	3.50		
840	8" WATER TIE-INS	EA.	2		
840	12" WATER TIE-INS	EA.	1		
841	HYDROSTATIC TESTING	EA.	3		
844	2" BLOWOFF, TEMPORARY	EA.	8		
846	1" AIR RELEASE ASSEMBLIES	EA.	7		
856.1	JACKING, BORING, OR TUNNELING 24"	L.F.	144		
856.2	12" CARRIER PIPE FOR JACKING, BORING, TUNNELING	L.F.	144		
856.3	CASING OR LINER 24"	L.F.	144		
3000	REMOVAL, TRANSPORTATION, AND DISPOSAL OF AC PIPE	L.F.	26		
3100	4" TEMPORARY WATERLINE, INCLUDING FITTINGS, TIE-INS, SERVICE CONNECTIONS, AND ALL APPURTENANCES TO PROVIDE A TEMPORARY WATER MAIN FOR WATER MAIN CONSTRUCTION	L.F.	77		
3200	ABANDONMENT OF WATER MAINS 12" AND LARGER	L.F.	2935		
SAWS IMPROVEMENTS SUBTOTAL					\$

COSA STREET IMPROVEMENTS					
Spec No	Description	Unit	Quantity	Unit Price	Extension
COSA 203.1	TACK COAT	GAL	1387		
COSA 205.3	HMACP TYPE "C" (2") (PG 76-22)	S.Y.	13870		
COSA 208.1	SALVAGING, HAULING & STOCKPILING RECLAIMABLE ASPH PAV 2 IN.	S.Y.	13870		
COSA 535.1	4 INCH WIDE YELLOW LINE	L.F.	5584		
COSA 535.2	4 INCH WIDE WHITE LINE	L.F.	1354		
COSA 535.4	8 INCH WIDE WHITE LINE	L.F.	656		
COSA 535.7	24 INCH WIDE WHITE LINE	L.F.	165		
COSA 535.8	RIGHT WHITE ARROW	EA.	3		
COSA 535.9	LEFT WHITE ARROW	EA.	3		
COSA 535.11	COMBINATION THRU/RIGHT WHITE ARROW	EA.	3		
COSA 535.12	WORD "ONLY"	EA.	2		
COSA 537.6	PAVEMENT MARKER (TYPE I-C)	EA.	171		
COSA 537.8	PAVEMENT MARKER (TYPE II A-A)	EA.	280		
TXDOT 0677-6001	ELIM EXT PAV MRK & MRKS (4")	L.F.	700		
COSA IMPROVEMENTS SUBTOTAL					\$

SAWS AND COSA IMPROVEMENTS SUBTOTAL					\$
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100.1	MOBILIZATION (MAX 10% OF TOTAL LINE ITEMS ABOVE)	L.S.	1		
101.1	PREPARING ROW (MAX 5% OF TOTAL LINE ITEMS ABOVE)	L.S.	1		
TOTAL BID PRICE					\$

If all fields are not completed, the bid may be rejected due to non-responsiveness.

It is not acceptable to indicate “See attached”.

Project A-3 is to have been completed by the Bidder.

- Project A-3 demonstrates construction experience with Mill and Overlay projects consisting of 4,000 to 7,000 SY of hot mix asphalt pavement.
- Project A-3 demonstrates replacement of mains in urban locations.
- Project A-3 was completed between 2013 and 2018.

Project A-3 Description

Name of Project: _____ Location: _____

Scope of Work: _____

Pipe Sizes: _____ Pipe Lengths: _____

Owner Name: _____ Owner Title: _____

Owner Phone Number: _____ Construction Cost: _____

Project Start Date: _____ Project End Date: _____

Additional Information: _____

SUMMARY OF QUANTITIES

ITEM	DESCRIPTION	UNIT	QUANTITIES								TOTAL QUANTITY	
			SHEET 45	SHEET 47	SHEET 48	SHEET 49	SHEET 50	SHEET 51	MILL & OVERLAY	PVMT MRK		
COSA 203.1	TACK COAT	GAL									1387	1387
COSA 205.2	HMACP TYPE "B" (12" COMPACTED DEPTH)	S.Y.	182	246	239	239	223	195				1324
COSA 205.3	HMACP TYPE "C" (2") (PG 76-22)	S.Y.									13870	13870
COSA 208.1	SALVAGING, HAULING & STOCKPILING RECLAIMABLE ASPH PAV 2 IN.	S.Y.									13870	13870
COSA 413	FLOWABLE FILL	C.Y.	322	173	180	180	167	151				1173
COSA 500.1	CONCRETE CURB	L.F.	36	20	32	24	24	32				168
COSA 502.1	CONCRETE SIDEWALKS	S.Y.	30	16	25	20	30	25				146
COSA 503.1	PORTLAND CEMENT CONCRETE DRIVEWAYS	S.Y.	45									45
COSA 503.4	ASPHALTIC CONCRETE DRIVEWAY	S.Y.	54									54
COSA 530.1	BARRICADES, SIGNS & TRAFFIC HANDLING	L.S.										1
COSA 535.1	4 INCH WIDE YELLOW LINE	L.F.									5584	5584
COSA 535.2	4 INCH WIDE WHITE LINE	L.F.									1354	1354
COSA 535.4	8 INCH WIDE WHITE LINE	L.F.									656	656
COSA 535.7	24 INCH WIDE WHITE LINE	L.F.									165	165
COSA 535.8	RIGHT WHITE ARROW	EA.									3	3
COSA 535.9	LEFT WHITE ARROW	EA.									3	3
COSA 535.11	COMBINATION THRU/RIGHT WHITE ARROW	EA.									3	3
COSA 535.12	WORD "ONLY"	EA.									2	2
COSA 537.6	PAVEMENT MARKER (TYPE I-C)	EA.									171	171
COSA 537.8	PAVEMENT MARKER (TYPE II A-A)	EA.									280	280
TXDOT 0677-6001	ELIM EXT PAV MRK & MRKS (4")	L.F.									700	700
550.0	TRENCH EXCAVATION SAFETY PROTECTION	L.F.	340	520	540	540	500	439				2879
814.0	12" DUCTILE IRON PIPE	L.F.	340	520	540	540	500	439				2879
824.0	RELAY 3/4" LONG SERVICE	EA.	1		3			1				5
824.0	RELAY 1" LONG SERVICE	EA.				2						2
824.0	RELAY 1 1/2" LONG SERVICE	EA.	2		2	1	2					7
824.0	RELAY 2" LONG SERVICE	EA.	1	2	1		1	2				7
824.0	RELAY 4" LONG SERVICE	EA.						1				1
824.0	RELAY 6" SHORT SERVICE	EA.						1	1			2
824.0	RELAY 6" LONG SERVICE	EA.							1			1
824.0	RELAY 12" SHORT SERVICE	EA.						1				1
824.0	RELAY 6" FIRE LINE	EA.		1	1	2						4
824.0	RELAY 10" FIRE LINE	EA.						1				1
824.0	NEW 3/4" LONG UNMETERED SERVICE	EA.			1							1
828.0	8" GATE VALVES	EA.			1	1						2
828.0	12" GATE VALVES	EA.		2	1	2	1	2				8
831.0	12" X 12" CUT-IN TEE (COMPLETE)	EA.						1				1
832.0	16" X 12" TAPPING SLEEVES & VALVES	EA.	1									1
833.0	NEW METER BOXES	EA.	4	3	6	3	5	6				27
834.1	FIRE HYDRANT	EA.	1	2	1	1	1	1				7
836.0	PIPE FITTINGS, ALL SIZES AND TYPES	TON	1	0.4	0.5	0.5	0.3	0.8				3.5
840.0	8" WATER TIE-INS	EA.			1	1						2
840.0	12" WATER TIE-INS	EA.		1								1
841.0	HYDROSTATIC TESTING	EA.	1		1			1				3
844.0	2" BLOWOFF, TEMPORARY	EA.	1	2	1	1		3				8
846.0	1" AIR RELEASE ASSEMBLIES	EA.	2	1	2		1	1				7
856.1	JACKING, BORING, OR TUNNELING 24"	L.F.	144									144
856.2	12" CARRIER PIPE FOR JACKING, BORING, TUNNELING	L.F.	144									144
856.3	CASING OR LINER 24"	L.F.	144									144
3000.0	REMOVAL, TRANSPORTATION, AND DISPOSAL OF AC PIPE	L.F.			13	13						26
3100.0	4" TEMPORARY WATERLINE, INCLUDING FITTINGS, TIE-INS, SERVICE CONNECTIONS, AND ALL APPURTENANCES TO PROVIDE A TEMPORARY WATER MAIN FOR WATER MAIN CONSTRUCTION	L.F.		77								77
3200.0	ABANDONMENT OF WATER MAINS 12" AND LARGER	L.F.	485	520	500	500	500	430				2935
100.1	MOBILIZATION	L.S.										1
101.1	PREPARING ROW	L.S.										1



LEGEND PROP. WATER MAIN EXIST. WATER MAIN GAS MAIN SANITARY SEWER STORM SEWER UTILITY POLE LINE ELECTRIC CABLE TELEPHONE CABLE DUAL BRANCH SERV. NEW UNMETERED SERVICE: 3/4" SINGLE 1" DUAL SERVICE RECONNECT: 3/4" 1" OR LARGER SERVICE RELAY: 3/4" 1" OR LARGER SERVICE RELOCATE: 3/4" 1" OR LARGER RELOCATE METER NEW SERVICE: 3/4" 1" OR LARGER	1	01/02	ADDENDUM 1	
			ITEM 535.12, 3100, 3200	
	NO.	DATE	REVISION	APP.
		UNINTECH CONSULTING ENGINEERS, INC. 2431 E. Evans Road San Antonio, Texas 78259 Phone: (210) 641-6003 TBPE Reg. No. F-5499 Fax: (210) 641-8279 www.unintech.com		
		WO 02 - LOUIS PASTEUR 12" WATER MAIN REPLACEMENT SAWS WATER WORK SUMMARY OF QUANTITIES		
DEVELOPER:		CONT.		
SUBMITTED				
APPROVED				
MAP No.	134606 & 136608	BUDGET PROJ.	34	
PROJECT NO.	16-4015/PRO-10436	DATE:	1/2/2019	
DRAWN: RP	DESIGN: MP	CHECK: KWC	SHEET NO. 4 OF 77	

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