



**WATER RESOURCES INTEGRATION PROGRAM
OLD PEARSALL ROAD PUMP STATION PHASE I
SAWS JOB NO. 13-8610-220
SOLICITATION NO. B-14-012-DD**

**ADDENDUM NO. 3
September 9, 2014**

To Respondent of Record:

This addendum, applicable to work references above, is an amendment to the bidding documents and 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.

A. QUESTIONS SUBMITTED TO SAWS

1. BL Technology, Inc. requests to be added as an approved vendor for the following: PCSI-Process Control System Integrator. **RESPONSE:** No. The list of recommended PCSI providers for this project shall be as shown in Specification Section 13500 and this addendum.
2. Please re-issue drawing COP-02 (sheet 10) – half of the drawing is not readable. It would be nice if the engineer could pass this drawing out at the pred-bid (half-size). **RESPONSE:** This sheet is reissued and included as part of this addendum.
3. Please note that we have the following questions and comments regarding this equipment proposal.
 - a. Please note that Transdyn has changed its name. The new company name is Kapsch. The address and contact information remain as before. **RESPONSE:** Name change is included in this addendum (Article 1-2.05).

- b. Section 13500, 1-2.05.h – Please confirm that the requirement is for the ASP to extend its standard 24x7 remote telephone support service agreement to cover changes to the existing system, to be implemented under this project. **RESPONSE:** Article 1-2.05.h requires ASP to provide 24-hour Service Control for the length of the warranty period for all system components.
- c. Section 13500, 3-2.d – Please provide the total number of 8 hour day visits to be included in the proposal. **RESPONSE:** ASP is responsible to determine the number of 8-hour day visits required to complete the configuration.
- d. Section 13500, 3-2.e – Please confirm that requirement for support is for 24x7 days per week from the ASP’s facility, not the PCSI facility. **RESPONSE:** 24-hour support shall be from the ASP’s facility. Article 3-2.e is revised in this addendum.
- e. Section 13500, 3-2.f – Please clarify the requirement to provide a printer and field control device. Please provide a specification for the equipment required including required OS support. **RESPONSE:** Article 3-2.f is deleted in this addendum.
- f. Section 13500, 3-2.i – Please specify all features and functions to be implemented that are not a part of the system software. Please identify which system software is being referenced. **RESPONSE:** Article 3-2.i is deleted in this addendum.
- g. Section 13500, 3-5.01.01 Training Costs – Please specify the requirements for offsite training. Since SAWS is not procuring a new DYNAC® ES system, will offsite training require staging a DYNAC® ES system with workstations to support up to 10 students? Will facilities (tables, chairs, power, projector, etc.) be provided? **RESPONSE:** Within the specific training sections, offsite training was not mentioned. Offsite training is not anticipated. The intent is if offsite training was suggested by the PCSI, the PCSI is responsible for all cost incurred.
- h. 13500, 3-5.03 Control System Maintenance Training – Please confirm that no maintenance training will be required for the existing DYNAC® ES system, including hardware and software. **RESPONSE:** Control System Maintenance Training is for PLC and instrumentation hardware only. The existing DYNAC ES system is excluded from this training. DYNAC ES system software training is covered in Article 3-5.05 Programmer Training (HMI Software). Article 3-5.03 is revised in this addendum.
- i. Section 13500, 3-5.05 Programmer Training (HMI Software) – Please clarify the requirement that training be “provided to enable Owner’s and Engineer’s personnel to initially configure and later reconfigure the system.” Is system configuration of the changes required to support the Old Pearsall Road PSP to be excluded from the proposal? **RESPONSE:** Article 3-5.05 is revised in this addendum.

- j. Section 13500, 3-5.05.01 Classes – Please confirm the requirement for 80 hours of programmer training on the existing DYNAC® ES system. Please clarify the requirement to deliver the 1st round of training “within 30 days of delivery of the configuration hardware and software.” Please note that there is no requirement to deliver configuration hardware and software. Configuration files, if configuration is included as part of this proposal, will be loaded directly into the existing online system or configuration will be done directly on the existing system. **RESPONSE:** Article 3-5.05.01 is revised in this addendum.
4. Is there going to be an Excel list of SMWB contractors available for this project? **RESPONSE:** Yes. The list has been posted on SAWS website and is available at the following link:
- http://www.saws.org/business_center/ContractSol/Drill.cfm?id=1210&View=Yes
5. In the specs, there are two separate lists of Specifications. The first is noted as DPR (Design Professional Responsibility). The DPR specification list appears as a list which the Engineer designed and stamped specific design discipline areas. The second list is noted as “TC” appears to be a list of all Divisions and Specifications sections in numeric order. The issue here is: Are the sections listed in the “TC” portion of the index complete and all-encompassing of all scopes of work to be in the contract. By having both of these lists of specifications include in the bid documents, it is confusing as to which of the lists is the one we need to address. Perhaps SAWS should issue an addendum stating that the “TC” list is the only set of specification the bidding contractors need to bid. And the “TC” list is a complete scope of work to contracted. Should there be any variable in the sections two lists (the “DPR” and the “TC”), then the “TC” list should take precedence.

Or SAWS may even elect to have the DPR list removed from the contract document altogether.

Without SAWS addressing this issue, the only other answer to the coordination would require a bidding contractor to read, compare and verify all 1,400 pages on the Twin Oaks project with the over 1,500 pages on the Old Pearsall Rd project. Such time to do this research or verification would be too much time for a bid of this magnitude. **RESPONSE:** The DPR list is included simply to comply with Texas Board of Professional Engineering rules regarding signing/sealing of plans and specifications. The DPR list is not relevant to Bidders. The Table of Contents includes all documents and specifications that are applicable to the project.

The same spec provision is included in the Old Pearsall Rd Project as in Twin Oaks;

In section 2317 – Trench Excavation, Backfill & Compaction

3.02 PRE-INSTALLATION MEETING

A. Requires CONTRACTOR to lay 500' of pipe for inspection purposes at a location to be determined by the OWNER.

3.02.A.6 says "The CONTRACTOR may reuse the pipe sections in the pre-installation inspection provided there is not damage to the pipe."

Evidently, SAWS wants this pipe laid not as a part of the proposed line work per design and plans. Can we lay the first 500' of proposed pipe as Pre-Installation Meeting and save cost for the owner?

It will be cheaper to abandon the 500' of test pipe than to dig it up. If we abandon it, do we have to fill it with the grout or can we just end cap it? Also, what type of pipe do they want to use for this test? Section 3.02.A.5 of the specs refer to the deflection test which would indicate plastic pipe instead of steel pipe. **RESPONSE:** This language pertains to buried steel pipe. Section 02317 (Articles 3.02.A and 3.02.A.6) is revised in this addendum to clarify inspections.

6. Several of the recent SAWS projects have had the requirement for all iron and steel products used on the project be produced in the U.S. Is this a requirement for this project? **RESPONSE:** Construction of this project is not funded by the Texas Water Development Board and thus is not subject to "Buy American Requirements". However, individual equipment/material specifications may have specific requirements on origin of manufacture, including Article 1.01.D of Section 02571.
7. There is a mandatory pre-proposal meeting for this project. We are bidding this project as a subcontractor for the cathodic protection. Is it mandatory that we attend this meeting? **RESPONSE:** No. Only firms that intend to submit as a prime contractor must attend the mandatory pre-proposal meeting.
8. Per the webpage for the project, I have listed questions below. Butterfly Valve Schedule 15101-S, Column 1.0606 (AWWA Class). The column identifies a number of valves as 250B-F. Valves in this class can be supplied with ANSI B16.1 Class 125 flanges on all valves or with ANSI B16.1 Class 250 flanges on valves up to and including 48". Please clarify the flange class required. **RESPONSE:** Flange class shall be coordinated with Section 02571 Steel Pipe.
9. The only spec I see for the check valves on the pump discharge are CL 300, 400 psi rated, flanged (per schedule) dual disc. Note 4 on Sheet GOP-07 says all pipe and valves are rated for 150 psi. Can you clarify the

spec? **RESPONSE:** See revisions to Section 15093 (Articles 2-1.11 and 2-1.12) included in this addendum.

Also, I don't see a spec for the 4" ARV's listed in the schedule on page 15108-S01. **RESPONSE:** The air release valves specified in Article 2-1 are applicable to all valves in the schedule. See revision to Section 15108 (Article 2-1) included in this addendum.

10. Please find request for clarification attached to the WRIP-Old Pearsall Road pump station project. Would you forward these through for response?

Section 16151 – 3.02D: Large Induction Motors has field service requirements by the motor manufacturer. These services may be easily handled by the representative of the pump manufacturer. Is it acceptable for the motor service to be included with the pump field service and performed by a representative of the pump manufacturer? **RESPONSE:** Yes. Section 16151 (Article 3.02.A) is revised in this addendum.

Section 11110 – 1-4.04: Horizontal Split Case Pumps requires a lateral and torsional analysis to be performed by an independent specialist and approved by the Engineer. Is it acceptable to have the analysis conducted by a manufacturer's specialist? **RESPONSE:** The specialist should be independent from the manufacturer. The manufacturer should submit qualifications of the proposed specialist for review/approval.

11. Spec 01500, 1.02.2.a states the trailer for the engineer needs to have 5 separate rooms with a minimum 1,645 sf. A trailer with a minimum square footage of 1,645 is a triple wide trailer. Is it the intent of the engineer to have this big of a trailer? Also, the cost is extremely high for this size. **RESPONSE:** No changes will be made to this requirement.

12. General Conditions, Article 5.8.1 requires all materials that come in contact with potable water must conform to ANSI/NSF 61. This requirement (NSF certification) is impractical for many of the components of the prestressed concrete ground storage tank, such as the (a) concrete and shotcrete, (b) interior stainless steel ladders, (c) wall man-ways and (d) internal safety railings. TCEQ regulations (Chapter 290, Subchapter D, Rule 290.43 Water Storage) states that all newly installed coatings must conform to ANSI/NSF 61 and be certified. *Can clarification of this article be provided that, in regards to the prestressed concrete ground storage tank, the only ANSI/NSF requirements are those contained in the TCEQ regulations?* **RESPONSE:** The intent of the General Conditions is to cover protective coatings. The components listed above are not coated and thus are not included under this Article. Only ANSI/NSF requirements contained in TCEQ regulations are relevant to the tank.

13. SCI requests to be added to the approved PCSI list for the Pearsall Road Pump Station project. SCI is certified as a WBE firm with the South Central Texas Regional Certification Agency. Our qualifications are attached. **RESPONSE:** No. The list of recommended PCSI providers for this project shall be as shown in Section 13500 and this addendum.
14. I wanted to double check that since we are certified under the federal SBA size guidelines as a small business that we qualify as a SBE for this project. Do we need to register with SCTRA or will our federal certification with SAM suffice? **RESPONSE:** Yes. In addition to certification by SCTRCA, SAWS also accepts the State of Texas Historically Underutilized Business (HUB) certification, and federal SMWB designation as found in the federal System for Award Management (“SAM”) website.
15. Drawing COP-13 at the Southeast corner of the Detention Pond Structure is shown a **60” sleeve with blind flanges for future 48” pipe installation**. We are assuming the future 48” pipe will simply pass through this sleeve and the blind flanges called out are only to keep out debris. If that is the case, could we use a method other than flanges and blinds that would be more cost effective, such as dished heads that could be cut off in the future? **RESPONSE:** Sheet COP-13 is revised in this addendum
- If flanges and blind flanges must be used, could we use lightweight fabricated plate instead of actual AWWA flanges? Would nut, bolt, and gasket sets be required? **RESPONSE:** See response above.
- Also, are there any coating or lining requirements for this sleeve? **RESPONSE:** See response above.
16. Is Owner supplying the water for preloading, disinfection, and testing of the GST? **RESPONSE:** SAWS will pay for water used for initial disinfection and testing of the tank. See revisions to Section 02519 (Article 2.01.A) included in this addendum.
- How are we to dispose of the water? **RESPONSE:** See Article 3.04, Section 02519. Please note that the specified disinfection method (see Section 13207, Article 3.4) for the tank does not require disposal of chlorinated water, except for purged highly chlorinated water from drain piping.
17. Is Type 10 Waterproofing required on the bottom inside of the walls in the Detention Pond as per CDOP-08? If so, can we have a spec on it? **RESPONSE:** Yes, waterproofing is required as shown on the drawing. Waterproofing shall be as per TXDOT Standard Specification Item 458, Waterproofing Membranes for Structures. See revision to Sheet CDOP-08 included in this addendum.

18. Specification Section 16110 3.02 states that conduits for use in concrete encased ductbanks are to be schedule 80 PVC. Are direct burial conduits also to be Schedule 80 PVC? **RESPONSE**: Yes. Direct buried conduit shall be PVC.

Specification Section 16110 3.13 states that transitions from underground to above ground are to be PVC Coated Rigid Galvanized Steel. However, Sheet EDOP-02, detail D calls for PVC Coated Aluminum Conduit. Please clarify. **RESPONSE**: PVC Coated Rigid Galvanized Steel is correct. See revision to Sheet EDOP-02 included in this addendum.

Specification Section 16110 3.02 states that PVC Coated Rigid Steel conduits are to be installed in all exposed locations. However, EDOP-02, detail A calls for Rigid Steel conduit between the J-box and expansion fitting. Please clarify. **RESPONSE**: Rigid conduit is required for all exposed installation. Article 3.02.B is revised in this addendum.

On Sheet EOP-03, note 6 says to provide direct buried conduit for pole lighting circuits. However, on Sheet EDOP-01, detail E, note 1 says to tie ductbank rebar to the pole base rebar. Direct buried conduit would not have steel reinforcement. Please clarify. **RESPONSE**: Direct buried conduit is required. Note 1 on Sheet EDOP is deleted in this addendum.

On Sheet EOP-16, section A, the mounting height to top of the upper tray is 8" from the ceiling, with a separation distance of 8" between the bottom of the upper tray and the top of the lower. These clearances will not allow for the bend radius of the medium voltage cables. Please clarify. **RESPONSE**: Contractor shall adjust the mounting height in the field.

Specification Section 16600 2.01 (A) (1) states that the minimum underground raceway size shall be 2 inch. However, on sheet EOP-03, the conduit size between pole lights is noted as 1 inch. Also, on Sheet EOP-22, the conduit between the Electrical Building and CAM-6 is noted as 1 inch. Please clarify. **RESPONSE**: Conduits smaller than 2" may be used for locations shown on the drawings.

19. Siemens is listed in most specification sections, but there are a few sections where we would like to be added. In accordance with the prior approval clause in the specifications, we respectfully submit the following items for acceptance to bid on the above referenced project. We understand that all products are subject to shop drawing review and exact items for each product type will be identified at that time for project compliance.

Section 16461 – Low Voltage Distribution Dry Type Transformer
Section 16196 – Low Voltage AC Surge Protective Devices

Section 16470 – Panelboards

Section 16475 – Low Voltage Enclosed Circuit Breakers and Disconnect Switches

Section 16481 – Low Voltage Motor Controllers

RESPONSE: Siemens Is added to the manufacturers list in this addendum for each of the sections listed above.

20. We welcomed the opportunity to review these studies [geotechnical report]. However, we understand that we are not allowed to have a copy of these studies for quoting purposes. We are requesting SAWS's reconsideration to furnish a copy of the existing Geotechnical Engineering Study to all bidding contractors. We respectfully request the San Antonio Water System to reconsider its position in sharing these studies with all bidding contractors. **RESPONSE**: Instructions on obtaining the geotechnical report were modified as part of this Addendum in Article 4 of the Special Conditions.
21. Prime Controls would like to be listed as an "Approved Application Service Providers..."/"Recommended Application Service Providers..." for the referenced project. Prime Controls has been listed on previous SAWS projects including but not limited to; Twin Oaks Brackish Groundwater Desalination Program, NACO Pump Station, and University Pump Station. **RESPONSE**: Prime Controls is added to the list of recommended ASP in Section 13500, Article 1-2.05 in this specification.

B. **DRAWINGS.**

1. **Sheet GOP-05 (5 of 150).** In General Note 2, change the words "funded by the San Antonio Water System" to "at the expense of the Contractor".
2. **Sheet COP-02 (21 of 150).** This sheet is reissued and included with this addendum.
3. **Sheet COP-13 (21 of 150).** Replace the text "60" sleeve with blind flanges for future 48" pipe installation" with "60" casing pipe for future 48" pump discharge pipe (see Note 6)."

Add the following note:

"6. Casing shall be 0.40 inch thick (minimum) smooth steel-wall casing pipe. Casing pipe shall be of welded steel construction with minimum yield point of 35,000 psi and shall be coated inside and outside with two coats of medium consistency coal tar epoxy. The ends of the casing shall be enclosed with 2-inch thick wood planks, common masonry brick, or other method acceptable to the Owner."

4. Sheet CDOP-08 (36 of 150). Add the following to the end of the General Notes:

“Waterproofing shall be as per TXDOT Standard Specification Item 458, Waterproofing Membranes for Structures.”
5. Sheet CDOP-09 (44 of 150). On the Typical Pipe Trench detail, add the following note:

“2. Additional payment for subgrade filler and filter fabric (if required) will be negotiated between the CONTRACTOR and OWNER on an as needed basis”.
6. Sheet EOP-16 (99 of 150). Add the following note:

“7. Contractor shall adjust the location and height of cable trays in the field, as required for installation of the cables and equipment being furnished.”
7. Sheet EDOP-01 (116 of 150). On Detail E, delete Note 1.
8. Sheet EDOP-02 (117 of 150). On Detail D, change “PVC Coated Aluminum Conduit Transition” to “PVC Coated Rigid Galvanized Steel Conduit Transition”.

C. BIDDING AND CONTRACT REQUIREMENTS.

1. INVITATION FOR COMPETITIVE SEALED PROPOSALS.
 - a. Page 1. Add the following at the end of the Invitation:

“Mandatory Pre-Proposal – Firms in Attendance

Proposals will not be accepted from any firm not represented at the mandatory pre-proposal meeting held on August 21, 2014. The following list is a record of represented firms:

- Scruggs Co.
- CYMI Industrial
- Webber, LLC
- Garney Construction
- Pepper Lawson
- Civil Engineering (CEC Texas)
- Odessa Pumps
- ASI Constructors, Inc.

- Balfour Beatty/Frucon Construction
- National Trench Safety (NTS)
- DSI
- Eagle Contracting, LP
- Robles 1 Demolition
- Sundt Construction
- Zachry Parsons
- Archer Western
- MGC Contractors
- Alterman Electric
- Smith Pump
- Hanson Pressure Pipe
- HD Supply
- Cardinal Contractors
- Prime Controls
- Northwest Pipe
- Holloman Corp
- DN Tanks.”

2. INSTRUCTIONS TO RESPONDENTS.

Change to page IR-6, Instructions to Respondents #17, remove and replace the first paragraph with the following:

San Antonio Water System Contracting Office may reject the Proposal when: (a) the Respondent misstates or conceals any material fact in the proposal, or if (b) the proposal does not strictly conform with the law or the requirements of this RFCSP, or if (c) the proposal is conditional, or if (d) the price proposal is unbalanced, or if (e) the Respondent fails to acknowledge in the final price of the price proposal any and all addendums on the Price Proposal issued prior to the solicitation deadline.

Clarification

Price Proposal

It is not a requirement to submit a signed page of each Addendum with the Respondent’s Proposal Packet. However, all Respondents should acknowledge all Addenda by noting the numbers of each Addendum issued on page PP-3 of the Price Proposal.

3. SUPPLEMENTARY INSTRUCTIONS TO RESPONDENTS.

- a. Page 4, Article E. At the end of the first paragraph, add the following:

“A list of SMWB contractors available identified by skill for this project has been posted on SAWS’ website.”

4. PROPOSAL CERTIFICATION.

- a. Page 1. Remove the Proposal Certification page in its entirety and replace with the attached version, which is the version that should be submitted with the Price Proposal.

5. SPECIAL CONDITIONS.

- a. Page 1, Article 4. Delete Article 4 (from Addendum No. 1) and replace with the following:

“4. A Geotechnical Report has been developed for SAWS on this project and upon request will be made available for Contractors for information purposes only. Please contact Diana Dwyer by email at Diana.dwyer@saws.org. SAWS will require the execution of a SAWS disclaimer form by the Contractor as condition of and prior to the release of the report.”

D. TECHNICAL SPECIFICATIONS.

1. Section 01015 – PROJECT REQUIREMENTS.

- a. Page 4, Article 15.01. Delete the last sentence of the first paragraph and replace with the following:

“The Raba Kistner report is included in the Appendix of these technical specifications.”

2. SECTION 02317 – TRENCH EXCAVATION, BACKFILL & COMPACTION.

- a. Page 9, Article 3.02.A. Replace the first sentence with the following: “At the start of pipe laying activities, the OWNER will designate a section of pipe (up to 5 pipe joints) for inspection purposes.”
- b. Page 10, Article 3.02.A.6. Replace the first and second sentences with the following: “After acceptance, the CONTRACTOR may proceed with the work. Any damage to the pipe during the pre-installation inspection will be the responsibility of the CONTRACTOR and shall be repaired or replaced to the satisfaction of the OWNER.”

3. SECTION 02519 – DISINFECTION OF WATER SYSTEMS.

- c. Page 2, Article 2.01.A. Replace the second paragraph with the following:

“Contractor shall account for all water obtained from SAWS, as described in SAWS Standard Specification Item No. 906, Water Use Accountability. The Contractor will be charged the current SAWS water rate for any additional water in excess of the volume required for the first hydrostatic test and initial disinfection for the project. Contractor is advised to make arrangements to obtain water at least 30 days in advance, as water availability may have limitations subject to SAWS operational needs.”

4. Section 02571 – STEEL PIPE.

- a. Page 6, Article 1.03.C.6. Delete this article in its entirety.
- b. Page 8, Article 1.03.C.9.b. Replace the last two sentences of the article with the following “All filler metals shall be classified by AWS with Charpy’s at 0 degrees Fahrenheit or lower temperature.”
- c. Page 11, Article 1.04.A. Revise the fourth sentence that reads “The CONTRACTOR shall provide manufacturers’ site visits in accordance with Section 01451 – Quality Control” to read “The manufacturer or Contractor shall pay costs for air transportation, vehicle rental and other ground transportation, lodging, and meals for three representatives of the Owner to attend the pre-manufacturing inspection and all such costs shall be included in the contract price. All flights shall originate and return to San Antonio Airport and shall be Coach Class or better. Hotel accommodations shall be business class. All travel arrangements shall be subject to approval by the Owner.”
- d. Page 12, Article 1.04.B.1. On the second paragraph, replace the first two sentences to read as follows: “For bidding purposes, assume up to 40 hours will be required for the initial installation of pipe and fittings. Three additional 8-hour site visits will be at the request and discretion of the OWNER.”
- e. Page 12, Article 1.04.B.1.a. Delete the words “and welding”.
- f. Page 13, Article 1.04.B.2. Replace the last three sentences of this article to read as follows: “For bidding purposes, assume up to 40 hours will be required for the initial installation. Three additional 8-hour site visits will be at the request and discretion of the OWNER.”
- g. Page 14, Article 1.04.D.1.e. Delete this article in its entirety.

- h. Page 14, Article 1.04.D.1.f. Delete this article in its entirety.
- i. Page 15, Article 1.04.D.3.b. Delete this article in its entirety.
- j. Page 18, Article 2.02.A.3. Revise the article to read “Minimum elongation in 2-inch gauge length of 21 percent per ASTM A516 for Grade 70 Steel”.
- k. Page 21, Article 2.02.H. Revise the first sentence of this article to read: “Flange bolting material shall be in accordance with ANSI/AWWA C207, of the bolt and nut type or bolt-stud and two nuts permitted for 1 inch and larger.”
- l. Page 23, Article 2.02.Y. Add the following after Article X:

“Y. Harnessed Restrained Joints. Harnesses shall be welded per ANSI/AWWA C200 and C206. Lugs or collars shall be ASTM A283, Grade B or C; or ASTM A36. Tie bolts shall be ASTM A193, Grade B7. Threading shall be ANSI/ASME B1.1, Class 2A fit coarse thread series for 7/8” and smaller and 8-thread series for 1” and larger. Ends shall be chamfered or rounded. Nuts shall be hexagonal, ASTM A194, Grade 2H or better. Threading shall be as specified for tie bolts, except Class 2B fit, with ANSI/ASME B.18.2.2 dimensions. Flat washers shall be hardened steel, ASTM A325.”
- m. Page 29, Article 3.01.G. Replace the article in its entirety as follows:

“Long term Exposure: Pipe shall not be exposed for longer periods than what is recommended by the polyurethane coating manufacturer. For exposure longer than the recommended period, pipe shall be covered with plastic sheeting, canvas, UV blocking material, or other method recommended by the polyurethane manufacturer and approved by the OWNER. Clear plastic sheets are not acceptable. Areas of coating that display UV degradation shall be repaired or replaced to the satisfaction of the OWNER at the sole cost of the CONTRACTOR.”

5. Section 02572 – STEEL PIPE FABRICATED SPECIALS.

- a. Page 5, Article 2.03.B. Delete the words “the thickness shown on the Drawings, or the following, whichever is thicker”.
- b. Page 6, Article 2.03.B. Delete the table in its entirety.

6. Section 02704 – PIPELINE PRESSURE AND LEAKAGE TESTING.

- a. Page 1, Schedule 02704-S02. Replace the Plant Piping Test Pressure Schedule in its entirety with the following:

Piping Designation	Test Pressure	Design (Working) Pressure
	psig	psig
Old Pearsall Rd Pump Station Piping Upstream of Pumps (Suction)	150	187.5
Old Pearsall Rd Pump Station Piping Downstream of Pumps (Discharge)	150	187.5
Old Pearsall Rd Pump Station Recharge Inlet Piping	150	187.5
Old Pearsall Rd Pump Station Recharge Outlet Piping	200	250
Ground Storage Tank Inlet Piping	200	250
Ground Storage Tank Outlet Piping	150	187.5

7. Section 11110 – HORIZONTAL SPLIT CASE CENTRIFUGAL PUMPS.
- a. Page 6, Article 2-2. In the last paragraph of the article, delete the pump manufacturer “Flowserve” and replace with “KSB”.
8. Section 13500 – INSTRUMENTATION AND CONTROL SYSTEM.
- a. Page 2, Article 1-2.04. In the last sentence of the first paragraph delete the sentence that reads “Only approved suppliers, as listed herein, will be accepted”.
- b. Page 3, Article 1-2.04. Prior to the list of PCSI, revise the sentence that reads “The PCSI shall be one of the following:” to read “The recommended PCSI shall be one of the following:”
- c. Page 4, Article 1-2.04. Remove and replace the last paragraph to read: “The listing of specific PCSI organizations above is not all encompassing and does not imply acceptance of their products and capabilities that do not meet the specified ratings, features and functions required herein.”
- d. Page 5, Article 1-2.05. Prior to the list of ASP, revise the sentence that reads “Only approved suppliers will be accepted. The following firms have been prequalified by the Owner for this project:” to read “The recommended ASP shall be one of the following:”
- e. Page 5, Article 1-2.05. In the list of recommended ASP, change “Transdyne” to “Kapsch”.

- f. Page 5, Article 1-2.05. Add the following to the list of recommended ASP:

“Prime Controls
815 Office Park Circle
Lewisville, Texas 75057
Attn: Gary McNeil
Phone: 972-221-4849
Email: Sales@prime-controls.com”

- g. Page 16, Article 3-2.e. Change to read “Provide the services of the applications engineer for 24 hours x 7 days telephone consultation and troubleshooting from ASP’s facility through final completion of the project.”
- h. Page 16, Article 3-2.f. Delete paragraph in its entirety.
- i. Page 17, Article 3-2.i. Delete paragraph in its entirety.
- j. Page 21, Article 3-5.03. Change the first sentence to read as follows: “System maintenance training shall be provided to enable Owner’s personnel to perform routine and preventive maintenance, troubleshoot, and repair all hardware furnished with the system; existing HMI computer hardware shall not require system maintenance training.”
- k. Page 23, Article 3-5.05. Change the second paragraph to read as follows, “System programming training shall be provided to Owner’s and Engineer’s personnel. Program training shall cover the topics outlined in the content of classes section below.”
- l. Page 23, Article 3-5.05.01. Change the article to read as follows: “Programmer training shall be conducted in two sessions. The first session shall consist of 40 hours of instruction for 10 students and shall be conducted at Owner’s or Engineer’s facilities within 60 days prior to the commencement of startup and commissioning activities. The second session shall consist of 40 hours of instruction for 10 students and shall be conducted at Owner’s facility within 30 days prior to the commencement of startup and commissioning activities.”
- m. Page 24, Article 3-5.05.02. Replace the entire article with the following.

“Programmer training shall include, but not be limited to the following topics:

Section 1: Point Control/Log/Database Building

- Registry Browser application

- Object/Point monitoring, identification and sorting
- Database Editor (DBE)
- Creating Points, digital devices and RTU configuration.
- Generic Device Templates and Generic Devices
- Aspect Training Modules
- Aspect Manager application Training Module,
- Aspect Control Browser application Training Module
- Notification Training Module

Section 2: Alarming & Event Tracking

- Alarm Banner Training Module
- Active Alarm display and acknowledgement
- Event Viewer Training Module
- System event reporting, file archiving and retrieval.

Section 3: Data History

- History Monitor Training Module:
- Modifying historical data, history systems and files.

Section 4: Data Reporting

- Trend Training Module:
- Modifying real-time and historical data on trends.
- Creating real-time and historical trends for use in graphics.
- Creating Launch Trends.
- Reporting Training Module:
- Modifying real-time and historical data on spreadsheets.
Saving and Exporting real-time and historical spreadsheets for use in other systems.

Section 5: DynDraw

- DynDraw Training Module:
- Creating static and dynamic displays for the DynDisplay application

Section 6: System Manager/Security

- System Manager Training Module
- Modifying system role security permissions and individual security permissions.

Section 7: Communication & System Monitor

- Communications Monitor Training Module
- Monitoring data communication, interpreting data errors and understanding PLC data structure.
- Sysmon Monitor Training Module:

- Viewing Server status. Monitoring process status. Starting and stopping processes.

Section 8: Server Administration

- System Administration Training Module
- Server File management, File editing, Server status and Failover Theory.
- Database Configuration Files Training Module
- (csv, txt & xml)
- Dynac® Backup Training Module
- Scheduler Device/Reminder Training Module:
- Scheduling Device commands and reminders.
- Scheduler Training Module:
- Creating and Scheduling Cron Jobs for automatic event and report generation.

Section 9: Miscellaneous

- These items are listed for discussion only and are considered useful tools for System Administrators.
 - Exceed for x-windows applications
 - Putty for remote access to the server
 - WinSCP for moving files
 - Java (installation)
 - VNC for remote access
 - VPN for remote access”

9. Section 15093 – CHECK VALVES.

- a. Page 2, Article 2-1.11. Valves VC-11. Add the following table for valves VC-11.

VC-11 Low pressure clear water service 14 inch [350 mm] and larger pipe	Rating	Class 125
	Type	Dual disc wafer
	Body	ASTM A126, Class B, cast iron or ductile iron
	Trim	
	Seat Ring	Buna-N
	Disc	ASTM B148 Alloy 952, aluminum bronze
	Springs/Hinge	Stainless steel
	Pins/Stops	
	Bearings	Teflon
	End Connection	Plain, installed between ASME

	<p>B16.1, Class 125, flat faced flanges</p> <p>Temp. Limitations --20 to 225°F [-29 to 107°C] intermittent, 0 to 180°F [-18 to 82°C] continuous</p> <p>Manufacturers</p> <p>Crane Duo Check, Gulf Wafer Check, APCO Style 9000</p>
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- b. Page 2, Article 2-1.12. Delete the table for valves VC-12 in its entirety.
- 10. Section 11110 – HORIZONTAL SPLIT CASE CENTRIFUGAL PUMPS.
 - b. Page 6, Article 2-2. In the last paragraph of the article, delete the pump manufacturer “Flowserve” and replace with “KSB”.
- 11. Section 15108 – AIR VALVES.
 - a. Page 1, Article 2-1. Add the words “equal or” before the words “greater than 150 psi”.
- 12. Section 16110 – RACEWAYS, BOXES, AND FITTINGS.
 - a. Page 7, Article 3.02.B. In the raceway chart, change items 1, 2, and 5 as follows:

1.Rigid Galvanized Conduit	Installed in all exposed locations
2.PVC Coated Rigid Galvanized Steel Conduit	Install in all embedded bends, underground duct bank bends of more than 20 degrees, and in all conduit stub-ups to a minimum of 6” above finished floor
5.Rigid Non-Metallic, Schedule 80 PVC Conduit	For use in concrete encased duct bank and for direct buried pole lights

- 13. Section 16151 – LARGE INDUCTION MOTORS.
 - b. Page 18, Article 3.02.A. Add the following after the first sentence:

“The testing may be performed by a third party or by a representative of the pump manufacturer, if they meet the specified experience qualifications.”

14. Section 16196 – LOW VOLTAGE AC SURGE PROTECTIVE DEVICES (SPDs).
 - a. Page 3, Article 2.01.A. Add “Siemens” to the list of manufacturers.
15. Section 16461 – DISTRIBUTION DRY-TYPE TRANSFORMERS.
 - a. Page 4, Article 2.01.A. Add “Siemens” to the list of manufacturers.
16. Section 16470 – PANELBOARDS.
 - a. Page 3, Article 2.01.A. Add “Siemens” to the list of manufacturers.
17. Section 16475 – LOW VOLTAGE ENCLOSED CIRCUIT BREAKERS AND DISCONNECT SWITCHES.
 - a. Page 4, Article 2.01.A. Add “Siemens” to the list of manufacturers.
18. Section 16481 – LOW VOLTAGE MOTOR CONTROLLERS.
 - a. Page 4, Article 2.01.A. Add “Siemens” to the list of manufacturers.
19. Section 16600 – UNDERGROUND SYSTEM.
 - b. Page 3, Article 2.01.A. In the third sentence, add the words “unless otherwise shown on the drawings” after the words “2 inch”.

Each Respondent is requested to acknowledge receipt of this Addendum No. 3 by his/her signature affixed hereto and to file same as an attachment to his/her proposal.

The undersigned acknowledges receipt of this Addendum No. 3 and the proposal submitted herewith in accordance with the information and stipulation set forth.

Date

Signature of Respondent

END OF ADDENDUM

(Water Resources Integration Program)
 (Old Pearsall Road Pump Station Phase 1) AD3-19
 (SAWS Job. No. 13-8610-220)



PROPOSAL CERTIFICATION

Accompanying this proposal is a Bid Bond or Certified or Cashier's Check payable to the Order of the San Antonio Water System for _____ dollars (\$_____), which amount represents five percent (5%) of the total bid price. Said bond or check is to be returned to the bidder unless the proposal is accepted and the bidder fails to execute and file a contract within **10** calendar days after the award of the Contract, in which case the check shall become the property of said San Antonio Water System, and shall be considered as payment for damages due to delay and other inconveniences suffered by said San Antonio Water System due to the failure of the bidder to execute the contract. The San Antonio Water System reserves the right to reject any and all bids.

It is anticipated that the Owner will act on this proposal within **90** calendar days after the bid opening. Upon acceptance and award of the contract to the undersigned by the Owner, the undersigned shall execute standard San Antonio Water System Contract Documents and make Performance and Payment Bonds for the full amount of the contract within **10** calendar days after the award of the Contract to secure proper compliance with the terms and provisions of the contract, to insure and guarantee the work until final completion and acceptance, and the guarantee period stipulated, and to guarantee payment of all lawful claims for labor performed and materials furnished in the fulfillment of the contract.

It is anticipated that the Owner will provide written Authorization to Proceed within **30** days after the award of the Contract.

The work called for in this Contract shall commence on the date indicated in the SAWS written Authorization to Proceed. Under no circumstances shall the work commence prior to the date provided for in the SAWS issued, written Authorization to Proceed. Work shall be completed in full within _____ consecutive calendar days.

The undersigned certifies that the bid prices contained in the proposal have been carefully checked and are submitted as correct and final.

The undersigned further acknowledges compliance with "Wage and Labor Standard Provisions" of this contract and the use of the Blue Book rental rates for establishment of equipment rental rates whether owned or leased during the course of this Contract.

In completing the work contained in this proposal the undersigned certifies that bidder's practices and policies do not discriminate on the grounds of race, color, religion, sex or national origin and that the bidder will affirmatively cooperate in the implementation of these policies and practices.

Signed: _____
Company Representative

Company Name

Address

Please return bidder's check to: _____
Company Name

Address

