



Anderson Ground Storage Tank No. 1 Painting and Rehabilitation Project
SAWS Job No. 13-0129
Solicitation No. B-15-020-DD

ADDENDUM No. 1

June 26, 2015

This addendum, applicable to work designated above, is an amendment to the proposal and specification documents and as such shall be a part of and included in the Contract. Acknowledge receipt of this addendum by entering the addendum number and issue date in the spaces provided on all submitted copies of the proposal.

1.0 Addenda Purpose

- A. The purpose of this addendum is to issue revisions to the specifications for the Anderson Ground Storage Tank No. 1 Painting and Rehabilitation Project (SAWS Job No. 13-0129; SAWS Solicitation No. B-15-020-DD).

2.0 Modification to the Specifications

- A. Invitation for Competitive Sealed Proposals
 - Remove the Invitation for Competitive Sealed Proposals in its entirety and replace with the revised Invitation for Competitive Sealed Proposals included with this addendum.
- B. Section 01025 - Measurement and Payment
 - Remove the Section 01025 – Measurement and Payment specification in its entirety and replace with the revised specification included with this addendum.

3.0 Modification to the Plans

- A. None.

4.0 Attachments

- A. Invitation for Competitive Sealed Proposals
- B. Section 01025 - Measurement and Payment

ACKNOWLEDGEMENT BY BIDDER

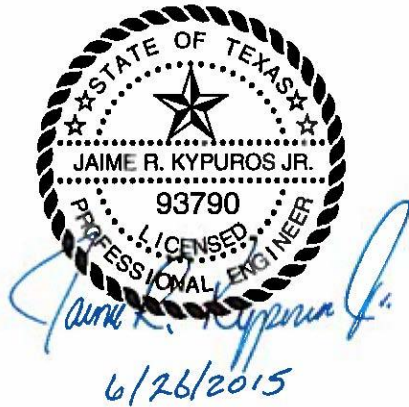
Each respondent is requested to acknowledge receipt of this Addendum No. 1 by his/her signature affixed hereto and to file same and attach with his/her proposal.

The undersigned acknowledges receipt of this Addendum No. 1 and the proposal submitted herewith is in accordance with the information and stipulations set forth.

Date

Signature

Tetra Tech, Inc.
Texas Registered Engineering Firm F-3924
700 N. Saint Mary's Street, Ste. 300
San Antonio, TX 78205



INVITATION FOR COMPETITIVE SEALED PROPOSALS

Solicitation No. B-15-020-DD

Sealed proposals are requested by the San Antonio Water System for the Anderson Tank Ground Storage Tank No. 1 Painting and Rehabilitation Project, SAWS Job No. 13-0129. Work associated with the project includes rehabilitation of a 7,500,000 gallon welded steel, ground storage tank, including the surface preparation and repainting of the interior and exterior surfaces; re-grading of site around perimeter for tank; re-grouting of tank base; repair of tank concrete foundation; repair of overflow weir box; replacement of exterior, interior and weir box ladder and new safety climb systems; replacement of sample taps; replacement of center vent; rehabilitation of four perimeter mushroom vents and 4 gooseneck vents; replacement of specified tank appurtenances; plugging of three butterfly valves; replacement of cathodic protection system; electrical equipment improvements; and other miscellaneous work.

To view additional project information, as well as obtain the plans and specifications for this project, visit our website located at www.saws.org and click on the Business Center. Then select Bidder, Consultant, and Vendor Registration, which is located on the left-hand side of the screen. Select the Register Now button and proceed with registration. For difficulties downloading plans and specifications, contact the Contracting Department at 210-233-3372

For questions regarding this solicitation, technical questions or additional information, please contact Diana Dwyer, Contract Administrator, in writing via email to: Diana.Dwyer@saws.org by fax to (210) 233-5218 until **4:00 PM (CT) on July 9, 2015**. Answers to the questions will be posted to the web site by **4:00 PM (CT) on July 13, 2015** as a separate document or included as part of an addendum.

A mandatory Pre-proposal Meeting will be held at **9:00 AM (CDT) on July 7, 2015** at the San Antonio Water System's Customer Service Building, 1st floor, Conference Room CR-C137. There will be a mandatory site visit immediately following the pre-proposal Meeting, at **5045 N. Loop 1604, San Antonio, TX, 78253**.

Sealed proposals will be received by the Contract Administration Division, 2800 U.S. Hwy 281 North, Customer Center Building, Suite 171, San Antonio, Texas 78212, until **2:00 PM (CT) on July 15, 2015**. Proposals will then be publicly opened and read aloud in Contract Administration, Suite 169, Customer Center Building, 2800 U.S. Hwy 281 North, San Antonio, Texas. This solicitation requires a Qualification Package, Good Faith Effort Plan, and Conflict of Interest Questionnaire, which should be included as part of the proposals and will become part of the construction documents. Each proposal must be accompanied by a cashier's check, certified check, or bid bond in an amount not less than five percent of the total bid price.

SECTION 01025

MEASUREMENT AND PAYMENT

PART 1 GENERAL

1.01 DESCRIPTION OF WORK

- A. This section defines the method that will be used to determine the quantities of Work performed or materials supplied and establish the basis upon which payment will be made.

1.02 ADMINISTRATIVE SUBMITTALS:

- A. Schedule of Values: Submit schedule on CONTRACTOR's standard form. (Refer to paragraph 1.05 of this Section and Section 01300 – Submittals for additional requirements.)
- B. Schedule of Estimated Progress Payments: (Refer to paragraph 1.06 of this Section for additional requirements.)
 - 1. Submit with initially acceptable Schedule of Values.
 - 2. Submit adjustments thereto with Application for Payment.
- C. Application for Payment.
- D. Final Application for Payment.

1.03 RELATED WORK

- A. Section 01300 – Submittals

1.04 PRICE

- A. Required items of Work and incidentals necessary for the satisfactory completion of the Project shall be considered incidental to the specified Work required under this contract and shall be considered as included in the unit prices for the various proposal items. The CONTRACTOR shall prepare his price accordingly to allow for such items:
 - 1. Not specifically listed in the Price Proposal.
 - 2. Not specified in this section to be measured or to be included in one of the items listed in the Price Proposal.
 - 3. To include CONTRACTOR's overhead and profit.
- B. Work includes the furnishing of all labor, materials, equipment, tools, and related items for performing all operations required to complete the Project satisfactorily in place, as specified by the contract documents.

1.05 SCHEDULE OF VALUES:

- A. Prepare a separate Schedule of Values for each phase of Work under the Agreement. Submit the Schedule of Values within 10 days prior to submitting the first request for payment or as requested by the Owner.
- B. Use line items in the proposal as line items in the schedule. Provide adequate detail to allow easy determination of the percentage of work completed for each item.
- C. Lump Sum Work.
 - 1. Reflect Schedule of Values format included in conformed Price Proposal Form, specified allowances, alternates, and equipment selected by Owner, as applicable.
 - 2. List bonds and insurance premiums, mobilization, demobilization, facility startup, and contract closeout separately.
 - 3. Separate product costs and installation costs. Break down by Division 2 through 16 for each of the Project facilities.
 - a. Product costs include cost for product, delivery and unloading, royalties and patent fees, taxes, and other cost paid directly to the supplier or vendor.
 - b. Installation costs include cost for the supervision, labor and supervision, labor and equipment for field fabrication, erection, installation, start-up, initial operation and CONTRACTOR'S overhead and profit.
 - 4. Divide principal subcontract amounts into an adequate number of line items to allow determination of the percentage of work completed for each item. These line items may be used to establish the value of work to be added or deleted from the project.
- D. Unit Price Work: Reflect unit price quantity and price breakdown from conformed Price Proposal Form.
- E. An unbalanced or front-end loaded schedule will not be acceptable.
- F. Summation of the complete Schedule of Values representing all Work shall equal the Contract Price.
- G. Mobilization
 - 1. Description – This item shall govern the mobilization of personnel, equipment and supplies at the project site in preparation for the beginning work on contract items and the acquisition of insurance and bonds. Mobilization shall include, but not be limited to the movement of equipment, personnel, material, supplies, etc. to the project site and the establishment of temporary offices and other facilities necessary to the start of the work.
 - 2. Measurement – Measurement of the item, “Mobilization” will be by the lump sum as the work progresses. “Mobilization” lump sum price shall be limited to a maximum 10% of the total contract amount.
 - 3. Payment – Partial payments of the lump sum price for mobilization will be as follows:

- a. When 1% of the adjusted contract amount for construction items (which is defined as the total contract amount less the lump sum bid for mobilization) is earned, 50% of the mobilization lump sum bid or 5% of the total contract amount, whichever is less, will be paid. Insurance and Bonds will be paid on the initial request for payment under a sub-heading to mobilization entitled "Insurance and Bonds". The amount paid for insurance and bonds will not exceed 3% of the total contract amount for construction items. Receipts or other proof of payment for the full amount of compensation requested under the sub-heading of "Insurance and Bonds" shall be provided to the Owner with the request for payment.
- b. When 5% of the adjusted contract amount for construction items is earned, 75% of the mobilization lump sum bid or 7.5% of the total contract amount, whichever is less will be paid.
- c. When 10% of the adjusted contract amount for construction items is earned, 90% of the mobilization lump sum bid or 9% of the total contract amount, whichever is less will be paid.
- d. Upon completion of all work under this contract, payment for the remainder of the lump sum bid for mobilization will be made.
- e. Payment for this line item will be reduced by half of the earned amount, until said documents are submitted and approved by the Owner:
 - i. All material submittals,
 - ii. Health and Safety Plan,
 - iii. Quality Control / Quality Assurance Plan,
 - iv. Pre-Construction Video, and
 - v. Construction Schedule

1.06 SCHEDULE OF ESTIMATED PROGRESS PAYMENTS:

- A. Show estimated payment requests throughout Contract Times aggregating initial Contract Price.
- B. Base estimated progress payments on initially acceptable progress schedule. Adjust to reflect subsequent adjustments in progress schedule and Contract Price as reflected by modifications to the Contract Documents.

1.07 APPLICATION FOR PAYMENT:

- A. Reference Article VII. CONTRACT PAYMENTS of the General Conditions.
- B. Transmittal Summary Form: Attach one Summary Form with each detailed Application for Payment for each schedule and include Request for Payment of Materials and Equipment on Hand as applicable. Execute certification by authorized officer of CONTRACTOR.
- C. Provide separate form for each schedule as applicable.

- D. Include accepted Schedule of Values for each schedule or portion of Work, the unit price breakdown for Work to be paid on unit price basis, a listing of Owner-selected equipment if applicable, and allowances, as appropriate.
- E. Preparation:
 - 1. Round values to nearest dollar.
 - 2. List each Change Order and Written Amendment executed prior to date of submission as separate line item. Totals to equal those shown on the Transmittal Summary Form for each schedule as applicable.
 - 3. Submit Application for Payment, including a Transmittal Summary Form and detailed Application for Payment Form(s) for each schedule as applicable, a listing of materials on hand for each schedule as applicable and such supporting data as may be requested by Owner.

1.08 MEASUREMENT – GENERAL

- A. Weighing, measuring, and metering devices used to measure quantity of materials for Work shall be suitable for purpose intended and conform to tolerances and specifications as specified in National Institute of Standards and Technology, Handbook 44.
- B. Whenever pay quantities of material are determined by weight, the material shall be weighed on scales furnished by CONTRACTOR and certified accurate by the state agency responsible. A weight or load slip shall be obtained from the weigh facility and delivered to the Owner's representative at the point of delivery of the material.
- C. If material is shipped by rail, the car weights will be accepted provided that actual weight of material only will be paid for and not minimum car weight used for assessing freight tariff, and provided further that car weights will not be acceptable for material to be passed through mixing plants.
- D. Vehicles used to haul material being paid for by weight shall be weighed empty daily and at such additional times as required by Owner. Each vehicle shall bear a plainly legible identification mark.
- E. All materials that are specified for measurement by the cubic yard measured in the vehicle shall be hauled in vehicles of such type and size that the actual contents may be readily and accurately determined. Unless all vehicles are of uniform capacity, each vehicle must bear a plainly legible identification mark indicating its water level capacity. All vehicles shall be loaded to at least their water level capacity. Loads hauled in vehicles not meeting the above requirements or loads of a quantity less than the capacity of the vehicle, measured after being leveled off as above provided, will be subject to rejection, and no compensation will be allowed for such material.
- F. Quantities will be based on ground profiles shown. Field surveys will not be made to confirm accuracy of elevations shown.
- G. Where measurement of quantities depends on elevation of existing ground, elevations obtained during construction will be compared with those shown on Drawings. Variations of one foot or less will be ignored, and profiles shown on Drawings will be used for determining quantities.

- H. Units of measure shown on the Schedule of Values shall be as follows unless specified otherwise.

Item	Method of Measurement
AC	Acre-Field Measure by Owner
CY	Cubic Yard-Field Measure by Owner within the limits specified or shown
CY-VM	Cubic Yard-Measured in the Vehicle by Volume
EA	Each-Field Count by Owner
GAL	Gallon-Field Measure by Owner
HR	Hour
LB	Pound(s)-Weight Measure by Scale
LF	Linear Foot-Field Measure by Owner
LS	Lump Sum-Unit is one; no measurement will be made
MFBM	Thousand Foot Board Measure-Delivery Invoice
SF	Square Foot
SY	Square Yard
TON	Ton-Weight Measure by Scale (2,000 pounds)

1.09 PAYMENT:

- A. Reference Article VII. CONTRACT PAYMENTS of the General Conditions.
- B. General:
1. Progress payments will be made within 30 calendar days of receipt of payment request.
 2. The date for CONTRACTOR's submission of monthly Application for Payment shall be established at the Preconstruction Conference.
- C. Payment for all Work shown or specified in the Contract Documents is included in the Contract Price. No measurement or payment will be made for individual items.

1.10 NONPAYMENT FOR REJECTED OR UNUSED PRODUCTS:

- A. Payment will not be made for the following:
1. Loading, hauling, and disposing of rejected material.
 2. Quantities of material wasted or disposed of in manner not called for under Contract Documents.
 3. Rejected loads of material, including material rejected after it has been placed by reason of failure of CONTRACTOR to conform to provisions of Contract Documents.
 4. Material not unloaded from transporting vehicle.
 5. Defective Work not accepted by Owner.
 6. Material remaining on hand after completion of Work.

1.11 PARTIAL PAYMENT FOR STORED MATERIALS AND EQUIPMENT:

- A. Partial Payment: No partial payments will be made for materials and equipment delivered or stored unless Shop Drawings or preliminary operation and maintenance manuals are acceptable to Owner.
- B. Final Payment: Will be made only for products incorporated in Work; remaining products, for which partial payments have been made, shall revert to CONTRACTOR unless otherwise agreed, and partial payments made for those items will be deducted from final payment.

1.12 PRICE PROPOSAL ITEMS:

- A. Respondent will complete the Work for the following listed Work items for the prices listed on the PRICE PROPOSAL:

Item No. 1: Base Price for the 7.5 MG Steel Ground Water Storage Tank (Anderson No. 1 GST) Painting and Rehabilitation.

- 1. Description - The complete SSPC-SP-10 cleaning and repainting of the 7,500,000 gallon steel ground water storage tank in San Antonio, Texas on the interior surfaces and support members, and the complete SSPC-SP-6 cleaning and repainting of the exterior surfaces with full containment as outlined in SSPC Guide 6 Class 2A. Rehabilitation and replacement of specified items which includes, but is not limited to:
 - a. Additional tank appurtenances Work items include:
 - i. replacement of all interior bolts at the interface between the tank shell and the roof girders;
 - ii. regROUT tank base;
 - iii. repair concrete foundation;
 - iv. repair overflow weir box;
 - v. caulk roof chime area;
 - vi. new exterior and interior ladder with safety cable climb;
 - vii. new cathodic protection system;
 - viii. new aluminum roof center vent with AST pressure relief tank vent;
 - ix. rehabilitation of existing perimeter mushroom and goose neck vents;
 - x. replacement of screens on the exterior goose neck vents;
 - xi. new roof access hatches and safety railing;
 - xii. electrical and instrumentation control system improvements;
 - xiii. replacement of sample taps;
 - xiv. plug butterfly valves on tank inlet and outlets;
 - xv. other improvements as indicated on the Contract Drawings.

2. The Additional site improvement Work items include:
 - a. site grading and reseeding;
 - b. other miscellaneous improvements as noted on the Contract Drawings.
3. Measurement – Measurement of the item Anderson No. 1 GST Painting and Rehabilitation will be by lump sum.
4. Payment of the full lump sum price shall be paid for the work performed and in accordance with the Schedule of Values. Payment shall constitute full compensation to the CONTRACTOR for furnishing all: labor, equipment, tools, and materials; mobilization and demobilization; securing all permits; and for performing all operations required to furnish to the Owner the project, complete in place, as specified and as indicated on the Contract Drawings.

Item No. 2: Permitting Allowance

1. Description - This item shall be for permitting fees associated with the project scope. This shall include furnishing all labor, materials, and incidentals required to obtain all necessary permits including review fees, in accordance with the contract documents, complete in place.
2. Measurement – Measurement of the item “Permitting Allowance” will be by the lump sum and shall not exceed the price listed on the Price Proposal.
3. Payment of the lump sum price shall be paid for the work. Payment shall constitute full compensation to the CONTRACTOR for obtaining all necessary permits for the Anderson No. 1 Ground Storage Tank Painting and Rehabilitation Project. CONTRACTOR shall provide permit receipts to SAWS for reimbursement.

Item No. S-1: Interior Grinding

1. Description - This item shall be for furnishing all labor, materials, tools, equipment and incidentals required for Interior Grinding of any irregular surfaces identified by the CONTRACTOR and authorized by the Field Inspector and Project Representative. Irregular surfaces shall be removed from all interior surfaces of the tank by grinding these irregular surfaces in accordance with the Project Specifications.
2. Measurement – Measurement of the item “Interior Grinding” will be by the number of grinding man-hours on the tank interior and shall be paid for by the unit price per man-hour listed on the Price Proposal.

Item No. S-2: Pit Welding

1. Description - This item shall be for furnishing all labor, materials, tools, equipment and incidentals required for Pit Welding all areas of apparent pitting. Work areas shall be initially abrasive blast cleaned, and any pits identified for pit welding by the CONTRACTOR and authorized by the Field Inspector and Project Representative shall be repaired by welding.

2. Measurement – Measurement for the item “Pit Welding” shall be as follows. Any pit less than 1 square inch in area shall be counted as 1 square inch. The number of square inches of pit area filled by the welding shall be paid for by the unit price per square inch listed on the Price Proposal.

Item No. S-3: Seam Welding

1. Description - This item shall be for furnishing all labor, materials, tools, equipment and incidentals required for Seam Welding all areas of apparent seam deterioration. Work areas shall be initially abrasive blast cleaned, and any seam corrosion or undercut identified by the CONTRACTOR and authorized by the Field Inspector and Project Representative shall be repaired by arc-gouging and welding.
2. Measurement – Measurement of the item “Seam Welding” will be by the number of linear feet of seam welding shall be paid for by the unit price per linear foot listed on the Price Proposal.

Item No. S-4: Pit Filling

1. Description - This item shall be for furnishing all labor, materials, tools, equipment and incidentals required for Pit Filling. All areas of apparent pitting shall be initially abrasive blast cleaned, and any pits, rough areas, or seams identified for pit filling by the CONTRACTOR and authorized by the Field Inspector and Project Representative. Work areas shall be filled with solventless polyamide epoxy seam sealer of the type recommended by the manufacturer of the interior paint system.
2. Measurement – Measurement for the item “Pit Filling” shall be for the number of gallons of pit filling required and shall be paid for by the unit price per gallon listed on the Price Proposal.

Item No. S-5: Additional Work

1. Description - This item shall be for furnishing all labor, materials, tools, equipment and incidentals required for Additional Work. It is felt that the detailed Plans and Technical Specifications adequately describe the work to be performed; however, in the event that during the course of the work it is found that additional work is required, Additional Work shall be authorized in writing by the Owner and the Engineer.
2. Measurement – Measurement for the item “Additional Work” shall be paid for at the following price per single man-hour, including all welding, equipment, normal rigging, labor, supplies, overhead, insurance, and profit. The number of unanticipated additional man-hours shall be paid for by the unit price per man-hour listed on the Price Proposal.

Item No. S-6: Additional Tank Ventilation / Dehumidification

1. Description - This item shall be for furnishing all labor, materials, tools, equipment and incidentals required for Additional Tank Ventilation/ Dehumidification. CONTRACTOR shall provide additional tank ventilation in conformance with Section 09800, paragraph 1.03 C. “Ventilation” beyond the 48 hours called for in the final coat. This may be called for by the Owner to help meet VOC testing requirements for the water.

2. Measurement – Measurement of the item “Additional Tank Ventilation/ Dehumidification shall be for the number of weeks of additional tank ventilation based on a seven (7) day week and shall be paid for by the unit price per week listed on the Price Proposal.

Item No. S-7: Sika-Flex 1A

1. Description - This item shall be for furnishing all labor, materials, tools, equipment and incidentals required for Sika-Flex 1A: Interior roof plates. Following the application of the final interior coating, the Owner may desire to have Sika-Flex 1A applied to seal all of the un-welded portions of the interior roof plates along with all roof truss beams meet the roof plate.
2. Measurement – Measurement of the item “Sika-Flex 1A” shall be for the application of the Sika-Flex 1A to the interior of the un-welded portions of the tank roof plates and shall be paid for by the lump sum listed on the Price Proposal.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

END OF SECTION