



ADDENDUM NO. 2

**PROJECT NAME: GRASS HILL ELEVATED STORAGE TANK PAINTING AND
REHABILITATION PROJECT – BID #2020-02**

DATE: February 19, 2020

This addendum should be included in and be considered part of the plans and specifications for the name of the project. The contractor shall be required to sign an acknowledgement of the receipt of this addendum and submit with their bid.

Addendum No. 2 is issued to notify, add, change and replace the following:

I. Changes:

1. Revised and replaced description for **Item No. 5** for construction documents *Section 3 Scope of Work 1.2(5)* (page 15) to remove reference to ladder and railing replacement as this work is covered by Item No. 7.
 - Page 15 attached
2. Revised and replaced **Item No. 5** for construction documents *Bid Form* (page 101) to replace unit cost from lump sum to 40 manhours.
 - Page 101 attached
3. Revised and replaced **Item No. 10** on contract documents *Section 3 Scope of Work* (page 15), *Bid Form* (page 103) *Section 3.12 Description of Bid Items* (page 151), to provide direction for adding one (1) run of new conduit with electrical.
 - Pages 16, 103, and 151 attached
4. Revised and replaced **Bid Form** on Plan Set Sheet 2 General Notes to update description and unit cost for Item 5 from lump sum to 40 manhours, and changed description for Item No. 10 to provide direction for adding one (1) run of new conduit with electrical.
 - Sheet 2 attached





Attachments:

- a) Contract Documents – Page 15 & 16
- b) Contract Documents – Page 101
- c) Contract Documents – Page 103
- d) Contract Documents – Page 151
- e) Plan Set – Sheet 2

Total Pages Addendum No. 2: (9 Pages)

END OF ADDENDUM No. 2



Note: Addenda Acknowledgement Form for Addendum No. 2 is attached herein. This form must be signed and submitted with the bid package.

RECEIPT OF ADDENDUM NUMBER(S) 2 IS HEREBY ACKNOWLEDGED FOR PLANS AND SPECIFICATIONS FOR CONSTRUCTION OF **GRASS HILL ELEVATED STORAGE TANK PAINTING AND REHABILITATION PROJECT – BID #2020-02**

FOR WHICH BIDS WILL BE PUBLICALLY OPENED ON **THURSDAY, FEBRUARY 20, 2020 AT 10:00 A.M.**

THIS ACKNOWLEDGEMENT MUST BE SIGNED AND RETURNED WITH THE BID PACKAGE.

Company Name: _____

Address: _____

City/State/Zip Code: _____

Date: _____

Signature

Print Name/Title

SECTION 3 SCOPE OF WORK

1. Description of Work

1.1. BID #2020-02 GRASS HILL ELEVATED STORAGE TANK PAINTING AND REHABILITATION

1.2. **Base Bid:**

GRASS HILL ELEVATED STORAGE TANK PAINTING AND REHABILITATION
Conduct interior cleaning, coating, and general upgrades to the Grass Hill Elevated Storage Tank for the City of Leon Valley:

1. Furnish all materials, equipment, labor, superintendence and incidental work to abrasive blast per SSPC-SP6, clean, prime and coat with Containment and Dust Collection the **Exterior** of the existing 150,000-gallon EST, all appendages, ladder, vent, hatch, railing, tank piping, valves, etc., as indicated on the drawings and specifications **part 2.04.A** and **part 3.07** except where specifically covered by other bid items.
2. Furnish all materials, equipment, labor, superintendence and incidental work to spot blast for inspection and identification of repairs, abrasive blast per SSPC-SP10, clean, prime, stripe coat and coat with Dehumidification the **Interior** of the existing 150,000-gallon EST, all appendages, ladder, vent, hatch, weir box, etc., as indicated on the drawings and specifications **part 2.04.B** and **part 3.06**, except where specifically covered by other bid items.
3. Furnish all materials, equipment, labor, superintendence and incidental work to **Dehumidify** the interior of the existing 150,000-gallon EST, during surface preparation and coating, including hoses, filters, etc., as indicated on the drawings and specifications **part 3.06**, except where specifically covered by other bid items.
4. Furnish all materials, equipment, labor, superintendence and incidental work to provide **Containment and Dust Collection** as indicated on the drawings and specifications **part 3.07**, except where specifically covered by other bid items.
5. Furnish all materials, equipment, labor, superintendence and incidental work to perform **General Repairs**; grinding, welding and general work to repair corrosion related surfaces and remove or make operable the liquid target as deemed necessary in accordance with this Section "Technical Specification" Part 3.01.A.
6. Furnish all materials, equipment, labor, superintendence and incidental work to install a 20"Ø AWWA approved aluminum **Roof Vent**, including a new weld-on C.S. flanged neck to accommodate the bolt on installation of the new aluminum vent, as indicated on the drawings and specifications except where specifically covered by other bid items. **Provide drawing with P.E. seal for submittal.**
7. Furnish all materials, equipment, labor, superintendence and incidental work to perform **Interior and Exterior ladder replacement**, balcony mid-railing modifications and rendering all OSHA Compliant as indicated on the drawings and specifications, except where specifically covered by other bid items.

8. Furnish all materials, equipment, labor, superintendence and incidental work to install a **New Riser Manway** 18"x24" oval or 24" diameter AWWA D100 approved and TCEQ compliant as indicated on the drawings and specifications, except where specifically covered by other bid items.
9. Furnish all materials, equipment, labor, superintendence and incidental work to perform **Caulking** and or **Seam Sealing** work to seams and areas as deemed necessary, as indicated on the drawings and specifications **part 3.01.A.2**, except where specifically covered by other bid items.
10. Furnish all materials, equipment, labor, superintendence and incidental work to perform **removing and reinstalling electrical conduit and antennas** (to be re-used) as needed for the tank rehabilitation, and one (1) run of new conduit with electrical from the base of the leg ladder to the top of the balcony to terminate inside the J-box.

Attachment B

| ITEM | DESCRIPTION | QTY | UNITS | UNIT PRICE | TOTAL PRICE |
|------|--|-----|-------|------------|-------------|
| 5 | Furnish all materials, equipment, labor, superintendence and incidental work to perform General Repairs ; grinding, welding and general work to repair corrosion related surfaces and remove or make operable the liquid target as deemed necessary in accordance with this Section "Technical Specification" Part 3.01.A | 40 | M.H. | \$ | \$ |

Price/LS _____
dollars

and _____ cents

Total Price _____
dollars

and _____ cents

| ITEM | DESCRIPTION | QTY | UNITS | UNIT PRICE | TOTAL PRICE |
|------|--|-----|-------|------------|-------------|
| 6 | Furnish all materials, equipment, labor, superintendence and incidental work to install a 20"Ø AWWA approved aluminum Roof Vent , including a new weld-on C.S. flanged neck to accommodate the bolt on installation of the new aluminum vent, as indicated on the drawings and specifications except where specifically covered by other bid items. Provide drawing with P.E. seal for submittal. | 1 | L.S. | \$ | \$ |

Price/LS _____
dollars

and _____ cents

Total Price _____
dollars

and _____ cents

Attachment C

| ITEM | DESCRIPTION | QTY | UNITS | UNIT PRICE | TOTAL PRICE |
|------|--|-----|----------|------------|-------------|
| 9 | Furnish all materials, equipment, labor, superintendence and incidental work to perform Caulking and or Seam Sealing work to seams and areas as deemed necessary, as indicated on the drawings and specifications part 3.01.A.2 , except where specifically covered by other bid items. | 50 | Per Tube | \$ | \$ |

Price/Tube

_____ dollars

and _____ cents

Total Price

_____ dollars

and _____ cents

| ITEM | DESCRIPTION | QTY | UNITS | UNIT PRICE | TOTAL PRICE |
|------|---|-----|-------|------------|-------------|
| 10 | Furnish all materials, equipment, labor, superintendence and incidental work to perform removing and reinstalling electrical conduit and antennas (to be re-used) as needed for the tank rehabilitation, and one (1) run of new conduit with electrical from the base of the leg ladder to the top of the balcony to terminate inside the J-box. | 1 | L.S. | \$ | \$ |

Price/LS

_____ dollars

and _____ cents

Total Price

_____ dollars

and _____ cents

Bid Item 2: Lump sum price for the **Complete Cleaning and Repainting of the tank interior surfaces with Dehumidification**. All this work shall be in accordance with this Section "Technical Specifications" Part 2.04.B, and Part 3.06.

Bid Item 3: Lump sum price for the **Dehumidification Control** to be furnished, installed and operated by the contractor in accordance with this Section "Technical Specifications" Part 3.06.

Bid Item 4: Lump sum price for **Containment and Dust Collection System** to be furnished and operated by the contractor in accordance with this Section "Technical Specifications" Part 3.07.

Bid Item 5: Lump sum price for **General Repairs** to include the following: Perform grinding, welding and general work to repair corrosion related surfaces and remove or make operable the liquid target as deemed necessary in accordance with this Section "Technical Specification" Part 3.01.A.

Bid Item 6: Lump sum price for Installing a **New Roof Vent**. A new 20" diameter aluminum AWWA D100 approved roof vent and carbon steel weld-on flanged neck to accommodate the bolt on installation of the new aluminum vent in accordance with this Section "Technical Specification" Part 3.01.A

Bid Item 7: Lump sum price for **New Interior and Exterior Ladders with Balcony Rail Modifications** to include removing the existing safety climb, removing the existing ladder and replacing with an OSHA approved ladders, cable type safety climbs, modifying the balcony railing rendering it OSHA Compliant.

Bid Item 8: Lump sum price for Installing a **Riser Manway**. A new 18"x24" oval or a 24" diameter AWWA D100 approved and TCEQ compliant manway in accordance with this Section "Technical Specification" Part 3.01.A

Bid Item 9: Unit cost per tube for **Caulking Seam Sealing** to include the following: Install Sika-Flex 1A or Tnemec Series 215 or equal NSF approved sealant/caulking at areas deemed necessary in accordance with this Section "Technical Specification" Part 3.01.A.2.

Bid Item 10: Lump sum price for **removing and reinstalling electrical conduit and antennas** (to be re-used) as needed for the tank rehabilitation, and one (1) run of new conduit with electrical from the base of the leg ladder to the top of the balcony to terminate inside the J-box.

END OF SECTION

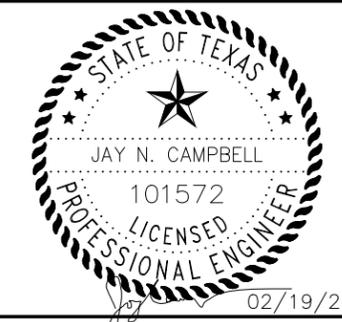
TANK REHABILITATION GENERAL:

1. LEON VALLEY HAS RIGHT OF FIRST REFUSAL ON ANY SALVAGED EQUIPMENT. CONTRACTOR TO COORDINATE WITH LEON VALLEY INSPECTOR ON DELIVERY OF SALVAGED EQUIPMENT TO OTHER LEON VALLEY FACILITIES. SHOULD LEON VALLEY NOT WANT TO RETAIN SALVAGED EQUIPMENT, CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSAL AT NO ADDITIONAL COST.
2. CONTRACTOR TO COORDINATE WITH LEON VALLEY REPRESENTATIVE AND DELIVER ANY SALVAGEABLE MATERIAL TO A FACILITY SPECIFIED, AS REQUIRED BY LEON VALLEY INSPECTORS.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE DURING THE REMOVAL AND DELIVERY PROCESS AT CONTRACTORS EXPENSE.
4. RESTORE ALL DISTURBED AREAS TO ORIGINAL OR BETTER CONDITION NO SEPARATE PAY ITEM. EXISTING SITE IMPROVEMENTS SHALL BE PROTECTED DURING THE TANK REHABILITATION WORK. ANY AND ALL DAMAGES SHALL BE CORRECTED AND RETURNED TO ORIGINAL (PRE-CONSTRUCTION) CONDITION TO THE APPROVAL OF LEON VALLEY AND THE ENGINEER.
5. CONTRACTOR MUST KEEP VEHICLES AND EQUIPMENT WITHIN LIMITS OF SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SECURITY. COORDINATE WITH INSPECTOR JOHN KONZEN 512-422-7655.
6. CONTRACTOR SHALL TAKE NECESSARY MEASURES TO AVOID FUGITIVE BLAST DEBRIS FROM ENTERING DRAINAGE STRUCTURES.
7. CONTRACTOR SHALL REPLACE ALL EXISTING LABELS AND SIGNS CURRENTLY ON THE TANK AFTER PAINTING OPERATIONS ARE COMPLETE, NO SEPARATE PAY ITEM.
8. EXISTING VALVES MAY LEAK TO INTERIOR OF TANK. CONTRACTOR SHALL REQUEST APPROVAL FROM ENGINEER AND OWNER BEFORE TAKING MEASURES TO CONTROL WATER AS REQUIRED FOR INTERIOR WORK.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING RESIDUAL WATER LEFT IN TANK AFTER INITIAL TANK DRAINING. NO SEPARATE PAY ITEM.
10. CONTRACTOR SHALL DISPOSE OF ALL SEDIMENT LEFT IN TANK AFTER INITIAL TANK DRAINING AT AN APPROVED LAND FILL OR AS DIRECTED BY THE ENGINEER. NO SEPARATE PAY ITEM.
11. REMOVE ANY EXISTING FREEZE PROTECTION ON EXTERIOR VALVES & PIPES AND REPLACE SUBSEQUENT TO EXTERIOR COATINGS. NO SEPARATE PAY ITEM.
12. CONTRACTOR IS RESPONSIBLE FOR REMOVING & REINSTALLING EXISTING ANTENNAS ON TOP OF THE EST AS NEEDED FOR BLASTING AND COATING WORK. CONTRACTOR SHALL COORDINATE WITH NORTH SIDE INDEPENDENCE SCHOOL & OWNER OF RADIO EQUIPMENT FOR REQUIREMENTS OF ADVANCE NOTIFICATION AND DETERMINATION OF SPECIFIC REQUIREMENTS OF OWNER. CONTRACTOR SHALL PROVIDE ESTIMATED DOWN TIME OF ANTENNA IN ADVANCE, CONTACT KELLEY FRYAR AT (210) 397-5661. NO SEPARATE PAY ITEM FOR THIS WORK.
13. ACCESS ROAD AND DRIVEWAY DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AS DIRECTED AND APPROVED BY LEON VALLEY AND THE ENGINEER. NO SEPARATE PAY ITEM.
14. OWNER DOES NOT GUARANTEE WATERTIGHT SHUTDOWN FROM ALL EXISTING VALVES. CONTRACTOR IS REQUIRED TO ACCOMMODATE LEAKAGE AS NECESSARY TO PERFORM REQUIRED WORK AT NO ADDITIONAL COST TO OWNER.
15. PROVIDE CONDUCTOR SUPPORT FITTINGS FOR SUPPORTING OF CONDUCTORS IN VERTICAL CONDUIT OR CABLE RUNS AS PER NEC ARTICLE 300.19.
16. ALL NUTS AND BOLTS USED MUST HAVE AN ANTI-SEIZE COMPOUND APPLIED. GASKETS SHALL BE 1/8-INCH, CLOTH-INSERTED RUBBER CORROSIVE ACID AND ALKALI FREE FOR POTABLE WATER CONFORMING TO ANSI B16.21-92 AND AWWA C207-07. FLAT FACED FLANGES SHALL REQUIRE FULL-FACED GASKETS. RAISED FACE FLANGES SHALL REQUIRE FLAT RING GASKETS.
17. CONTRACTOR SHALL REFER TO THE TECHNICAL SPECIFICATIONS FOR THE PREPARATION REHABILITATION, AND PAINTING OF THE EXTERIOR AND INTERIOR OF THE TANK AND APPURTENANCES. SEE TECHNICAL SPECIFICATION SECTION TS.

BID ITEMS

| Item No. | Item Description | Est. Qty. | Unit |
|----------|--|-----------|----------|
| 1 | Furnish all materials, equipment, labor, superintendence and incidental work to abrasive blast per SSPC-SP6, clean, prime and coat with Containment and Dust Collection the Exterior of the existing 150,000-gallon EST, all appendages, ladder, vent, hatch, railing, tank piping, valves, etc., as indicated on the drawings and specifications part 2.04.A and part 3.07 except where specifically covered by other bid items. | 1 | L.S. |
| 2 | Furnish all materials, equipment, labor, superintendence and incidental work to spot blast for inspection and identification of repairs, abrasive blast per SSPC-SP10, clean, prime, stripe coat and coat with Dehumidification the Interior of the existing 150,000-gallon EST, all appendages, ladder, vent, hatch, weir box, etc., as indicated on the drawings and specifications part 2.04.B and part 3.06 , except where specifically covered by other bid items. | 1 | L.S. |
| 3 | Furnish all materials, equipment, labor, superintendence and incidental work to Dehumidify the interior of the existing 150,000-gallon EST, during surface preparation and coating, including hoses, filters, etc., as indicated on the drawings and specifications part 3.06 , except where specifically covered by other bid items. | 1 | L.S. |
| 4 | Furnish all materials, equipment, labor, superintendence and incidental work to provide Containment and Dust Collection as indicated on the drawings and specifications part 3.07 , except where specifically covered by other bid items. | 1 | L.S. |
| 5 | Furnish all materials, equipment, labor, superintendence and incidental work to perform General Repairs ; grinding, welding and general work to repair corrosion related surfaces and remove or make operable the liquid target as deemed necessary in accordance with this Section "Technical Specification" Part 3.01.A | 40 | M.H. |
| 6 | Furnish all materials, equipment, labor, superintendence and incidental work to install a 20"Ø AWWA approved aluminum Roof Vent , including a new weld-on C.S. flanged neck to accommodate the bolt on installation of the new aluminum vent, as indicated on the drawings and specifications except where specifically covered by other bid items. Provide drawing with P.E. seal for submittal. | 1 | L.S. |
| 7 | Furnish all materials, equipment, labor, superintendence and incidental work to perform Interior and Exterior ladder replacement , balcony mid-railing modifications and rendering all OSHA Compliant as indicated on the drawings and specifications, except where specifically covered by other bid items. | 1 | L.S. |
| 8 | Furnish all materials, equipment, labor, superintendence and incidental work to install a New Riser Manway 18"x24" oval or 24" diameter AWWA D100 approved and TCEQ compliant as indicated on the drawings and specifications, except where specifically covered by other bid items. | 1 | L.S. |
| 9 | Furnish all materials, equipment, labor, superintendence and incidental work to perform Caulking and or Seam Sealing work to seams and areas as deemed necessary, as indicated on the drawings and specifications part 3.01.A.2 , except where specifically covered by other bid items. | 50 | Per Tube |
| 10 | Furnish all materials, equipment, labor, superintendence and incidental work to perform removing and reinstalling electrical conduit and antennas (to be re-used) as needed for the tank rehabilitation, and one (1) run of new conduit with electrical from the base of the leg ladder to the top of the balcony to terminate inside the J-box. | 1 | L.S. |

| ISSUES / REVISIONS | | | |
|--------------------|-----|------------------------------------|-----|
| DATE | NO. | DESCRIPTION | BY |
| 02/19/20 | 2 | BID ITEMS UPDATED PER ADDENDUM # 2 | JNC |



LNV engineers | architects | surveyors
 8918 TESORO DR., SUITE 401 SAN ANTONIO, TX 78217
 PH. (210) 822-2232 FAX (210) 822-4032
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 TBPE FIRM NO. F-366
 TBPLS FIRM NO. 10126502



**CITY OF LEON VALLEY
 GRASS HILL ELEVATED STORAGE TANK
 PAINTING AND REHABILITATION
 BEXAR COUNTY**

GENERAL NOTES

| | | |
|-------------------|---------------------|--------------|
| FED. RD. DIV. NO. | FEDERAL AID PROJECT | SHEET NO. |
| STATE | DIST. | COUNTY |
| TEXAS | | BEXAR COUNTY |
| CONT. | SECT. | JOB |
| | | HIGHWAY NO. |

N:\Leon Valley\170165 Professional Exp. Sec\315 Grass Hill EST Rehab\20-Drawings\Plan\170165 GRN NOTES.dwg
 Wednesday, February 19, 2020, 10:26am