

ADDENDUM NO. 1

May 12, 2021

**TO: Plans and Specifications for
Melissa North Elevated Storage Tank Site Improvements
City of Melissa, TX
EST Project No. 6008248**

**BY: EST, Inc.
3522 Sam Rayburn Hwy.
Melissa, Texas 75454
Phone: 469-907-5500**

ORIGINAL BID OPENING DATE: May 18, 2021

ORIGINAL BID OPENING TIME: 2:01 P.M.

This Addendum is hereby made a part of the Contract Documents to the same extent as if it were originally included therein. The following modifications, clarifications, additions, or deletions shall be made to the appropriate sections of the plans and specifications and shall become a part of, and attached to, the Contract Documents.

1. Revisions: The bid opening date will be pushed back a week. The new bid opening date and time will be Tuesday, May 25th at 2:01 P.M. Bids will now be due at 2:00 P.M. on May 25th.
2. Revisions: The deadline for questions is extended to Thursday, May 20th at 5:00 P.M.
3. Addition: Prebid Notes, Sign-In Sheet, and revised materials testing fee schedule added.
4. Clarification: Steve Hudson, RPLS, served as the design RPLS for this project. Please feel free to contact him at 903-307-0031 if you are in search of an RPLS to list in your bid.
5. Clarification: Liquidated damages will follow NCTCOG Standards shown in NCTCOG Section 108.8.1.
6. Clarification: This project is funded by local bonds, so there is no Buy American clause.
7. Addition: Alternate bid item has been added to receive pricing on 24-inch AWWA C900 DR-18 PVC for Water Line 2 as an alternative in lieu of Bid Item W9 for 24-inch ductile iron pipe. See attached ALT-W9 item.
8. Addition: Alternate bid item has been added to receive pricing for the possible replacement of 609 linear feet of 24-inch Class III RCP with 24-inch Class III CPP (Corrugated Plastic Pipe). See attached ALT-SD2 item.
9. Clarifications regarding Masonry Columns:
 - 1) Bricks for masonry columns shall be ACME "Spanish Bay" 3" x 3" x 10" brick like the photo shown on next page. Bricks shall be placed using horizontal joint ladder reinforcement every 16".
 - 2) Center to Center spacing between columns shall be a maximum of 21 feet.
 - 3) Columns shall be 2 feet 8-inch squares with 2 feet 10-inch precast concrete caps.
 - 4) Columns shall include #5 vertical rebar in solid grouted CMU cells. Wrought iron fence panels shall be connected to columns with welded anchors per fence panel manufacturer.



END OF ADDENDUM NO. 1 (SEE ATTACHMENTS)



Casey Berend
5-12-2021



Melissa North Elevated Storage Tank Site Improvements

PREBID CONFERENCE

May 11, 2021 @ 2:00 P.M.

Melissa City Hall Community Room

SIGN IN SHEET



#	NAME	REPRESENTING	EMAIL
1	PAUL ANDERSON	HWH	PAUL-ANDERSON@HWH1887.COM
2	DEBBIE BROWN	CANARY CONSTRUCTION	debbie@canaryconstruction.com
3	MARK HILL	FREEMAN-MILLICAN	mdhill@fmi-dallas.com
4	Javier Garcia	EST, INC	Javier G@estinc.com
5	Casey Berent	EST, Inc.	caseyb@estinc.com
6	Jackson Meyer	EST, Inc.	jacksonm@estinc.com
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City of Melissa
Melissa North Elevated Storage Tank Site Improvements
PREBID CONFERENCE
May 11, 2021
2:00 P.M.
Melissa City Hall Community Room

AGENDA

1. INTRODUCTIONS / SIGN-IN:

DESIGN ENGINEER: EST, Inc TBPE Firm No. F-10777
OWNER: City of Melissa
CONTRACT ADMINISTRATION: EST, Inc.

2. DESCRIPTION OF PROJECT:

This work includes construction of site improvements for Melissa North Elevated Storage Tank including concrete access road, sanitary sewer, storm sewer, water lines, lighting, and approximately 1500 LF of offsite water line for the City of Melissa, Texas as shown in plans prepared by EST, Inc.

3. RELEVANT INFORMATION:

- a. Right-of-Way / Easements – Site improvements for elevated storage tank are located on City property except for DART crossing and GTUA connection ~~inside SH 5 right of way~~. Highland Road work is within prescriptive right of way as shown on plans. North Creek Water Line Connection on Plan Sheet C-204 is within City easements and Throckmorton Road right of way.
- b. Utilities – Call to locate before excavating. Coordination with franchise utilities will be required, but no conflicts are known at this time.
- c. Construction Sequence / Work Schedule – See Section M, page M-5, Number 28 of Construction Specifications.
- d. Elevated Storage Tank Construction Contract – Landmark Structures is contractor. 230 calendar days remaining on contract. Project is about 85% complete. Most work remaining is inside structure.
- e. Management and inspection by EST, Inc
- f. Materials testing by EST, Inc – Updated fee schedule is attached to replace Schedule of Geotechnical Fees is included in Section O of Construction Specifications. Testing to be paid for and scheduled by contractor. Detailed testing proposal will not be provided until construction stage.
- g. Contractor is required to have an RPLS stake the project.
- h. SWP3 Plan / Implementation – Required
- i. Do not forget to complete Schedule Proposal shown on Page E-11 of Bid Proposal.

inside GTUA easement

- j. Bid Proposal can be completed using computerized spreadsheet without written words. However, the totals at the end of the provided bid proposal form still need to be completed and signed.
- k. Addendum will be issued to create alternate bid item for pricing on 24-inch AWWA C900/C905 DR-18 PVC for Water Line 2 in lieu of 24-inch Ductile Iron (Bid Item W9)
- l. 25% max Fly ash is allowed in concrete mix designs per NCTCOG 303.2.4.
- m. Per Section M, page M-5, Number 27 of Construction Specifications, hand paving is allowed on this project in lieu of slip form paving.
- n. DART permits / Railroad Crossings – See GTUA plans and Section M, page M-5, Number 26 of Construction Specifications.
- o. Staging Areas – See Section M, page M-4, Number 21 of Construction Specifications.
- p. All construction water will be metered and paid by the contractor.
- q. LED Tower Lighting included with bid – See Section M, page M-5, Number 24 of Construction Specifications.
- r. Bid Security / Bid Bond to be attached on front of submitted bid package.

4. **QUESTIONS:**

Project specific questions must be made in writing or via email to Casey Berend, P.E., CFM (caseyb@estinc.com) **no later than 5:00 P.M. on Thursday, May 13th**. Mr. Berend can also be reached at 469-907-5513

5. **IMPORTANT DATES:**

BID DUE DATE / OPENING:

Bids due in the Office of the City Secretary, 2nd Floor, 3411 Barker Ave, Melissa, Texas 75454 on **Tuesday, May 18th** at 2:00 P.M.,

Bids will be opened at 2:01 P.M. in the Melissa City Hall, Community Room, 2nd Floor, 3411 Barker Ave, Melissa, Texas 75454.

see revised date in Addendum 1

see revised date in Addendum 1



Materials Testing Services

Personnel	Unit	Price
Project Manager/Engineer	Per Hour	\$175
Lab Manager	Per Hour	\$125
Lab Superviosr	Per Hour	\$95
Laboratory Specialist	Per Hour	\$65
Laboratory Technician	Per Hour	\$60
Field Technician	Per Hour	\$60
Administration	Per Hour	\$75
Mileage	Per Hour	Federal Rate*
* Mileage will be portal to portal at current IRS Rate		



AGGREGATES Testing Pricing

Method	AGGREGATE Test	Price
AASHTO T27, ASTM C136	SIEVE ANALYSIS OF FINE & COARSE AGGREGATES	\$ 100.00
ASTM C566	TOTAL EVAPORABLE MOISTURE CONTENT OF AGGREGATE	\$ 21.00
ASTM D4791	TEST METHOD FOR FLAT & ELONGATED PARTICLES IN COARSE AGGREGATES	\$ 60.00
AASHTO T96, ASTM C131	RESISTANCE TO DEGRADATION BY LA ABRASION	\$ 250.00
AASHTO T210, ASTM D3744	DURABILITY INDEX- DOES NOT INCLUDE SIEVE ANALYSIS	\$ 135.00
	SPECIFIC GRAVITY & ABSORPTION OF FINE AGGREGATE	\$ 65.00
AASHTO T85, ASTM C127	SPECIFIC GRAVITY & ABSORPTION OF COARSE AGGREGATE	\$ 55.00
AASHTO T104, ASTM C88, TEX 411	MAGNESIUM SULFATE SOUNDNESS OF AGGREGATES, CA & MG	\$ 340.00
AASHTO T19, ASTM C29	UNIT WEIGHT, DRY RODDED	\$ 50.00
ASTM C142	CLAY LUMPS & FRIABLE PARTICLES IN AGGREGATES	\$ 80.00
AASHTO T176, ASTM D2419, TEX 207	SAND EQUIVALENT VALUE OF SOILS & FINE AGGREGATE	\$ 85.00
TEX-115-E	FIELD METHOD FOR DETERMINING IN-PLACE DENSITY ON SOILS	\$ 55.00
TEX 116	WET BALL MILL VALUE ON FLEXIBLE BASE MATERIALS	\$ 225.00
ASTM C123	LIGHTWEIGHT PARTICLES IN AGGREGATES	PRICE UPON REQUEST
TEX 461	MICRO DEVAL	\$ 275.00
TEX 612	ACID INSOLUBILITY *SUB OUT TO TSIT FOR \$150.00	\$ 175.00
TEX 406	DECANT OF COARSE AGGREGATE	\$ 50.00
TEX 401	GRADATION OF COARSE AGGREGATE	\$ 100.00
TEX 128	PH ON SOILS	\$ 50.00
TEX 129	RESISTIVITY VALUE ON SOILS & AGGREGATES	\$ 90.00
TEX 406 PART III	PERCENT LIMESTONE IN DECANTATION MATERIAL	\$ 150.00
TEX 413	Delaterious Material	\$ 65.00
	REPORT & REVIEW (PER TEST REPORT)	\$ 20.00



Soil Testing Pricing

Method	Soil Test	Price
ASTM D698, TEX-114-E	STANDARD PROCTOR OF SOILS	\$ 200.00
AASHTO T180, ASTM 1557	MODIFIED PROCTOR OF SOILS	\$ 250.00
TEX 103 E	Moisture Content	\$ 21.00
TEX 113-E	LAB, COMPACTION CHARACTERISTICS & MOISTURE - DENSITY RELATIONSHIP OF BASE MATERIALS	\$ 300.00
TEX-117-E	Triaxial Compression for Disturbed Soils and Base Materials	\$ 1,700.00
TEX-120-E Part I	SOIL CEMENT TESTING	\$ 375.00
TEX-120-E Part II	SOIL CEMENT TESTING	\$ 350.00
TEX -121-E Part I	SOIL LIME TESTING	\$ 375.00
TEX-121 E Part II	SOIL LIME TESTING	\$ 350.00
TEX-115-E	FIELD METHOD FOR DETERMINING IN PLACE DENSITY OF SOILS AND BASE MATERIALS (PER HR, MIN. 2 HR)	\$ 55.00
ASTM C977	QUICKLIME & HYDRATED LIME FOR SOIL STABILIZATION PH TEST	\$ 300.00
ASTM D6276	USING PH TO DETERMINE THE SOIL-LIME PROPORTION REQUIREMENT FOR SOIL STABILIZATION	\$ 300.00
ASTM D1883	CALIFORNIA BEARING RATIO-(PER POINT)	\$ 205.00
AASHTO T193	CALIFORNIA BEARING RATIO-PROCTOR,CBR COMPACTION	\$ 345.00
ASTM D4318, TEX 104-6	ATTERBERG LIMITS (DETERMINING THE PLACTICITY INDEX OF SOILS)	\$ 65.00
TEX-107-E	DETERMINING LINEAR BAR SHRINKAGE	\$ 50.00
ASTM D4609	UNCONFINED COMPRESSIVE STRENGTHS OF SOILS USING HARVARD MINIATURE COMPACTOR (PER % OF SOIL)	\$ 420.00
ASTM D422	PARTICLE ANALYSIS- SIEVE TEST ON SOILS (EXCLUDING HYDROMETER)	\$ 70.00
ASTM D422	PARTICLE ANALYSIS- SIEVE TEST ON SOILS (HYDROMETER)	\$ 265.00
ASTM D4829	EXPANSION INDEX WITH ATTERBERG LIMITS & -#200	\$ 245.00
UBC-18-2	EXPANSION INDEX	\$ 195.00
ASTM D1556	DENSITY OF SOILS IN-PLACE BY SAND CONE METHOD	\$ 75.00
TEX 145-E	DETRMINING SOLUBLE SULFATE CONTENT IN SOIL	\$ 60.00
	PROOF ROLLING INSPECTION (PER HOUR)	\$ 65.00
	REPORT AND REVIEW (PER TEST)	\$ 20.00



Concrete Testing Pricing

Method	Concrete Test	Price
ASTM C31, ASHTO T23	MAKING AND CURING CONCRETE TEST SPECIMENS IN FIELD (SET OF 3)	\$ 51.00
ASTM C31, ASHTO T23	MAKING AND CURING CONCRETE TEST SPECIMENS IN FIELD (SET OF 4)	\$ 68.00
ASTM C31, ASHTO T23	MAKING AND CURING CONCRETE TEST SPECIMENS IN FIELD (SET OF 5)	\$ 85.00
ASTM C31, ASHTO T23	MAKING AND CURING CONCRETE TEST SPECIMENS IN FIELD (SET OF 6)	\$ 102.00
ASTM C39, AASHTO T22	COMPRESSIVE STRENGTH OF CONCRETE CYLINDERS, CURING AND DISPOSAL (EACH)	\$ 22.00
AASHTO T231	CAPPING CONCRETE TEST CYLINDERS-SULPHUR (PER CYLINDER)	\$ 30.00
AASHTO T23	MAKING & CURING CONCRETE TEST BEAM SPECIMENS IN THE FIELD (PER BEAM)	\$ 45.00
ASTM C10129	SAMPLING & TESTING GROUT (SET OF 4)	\$ 160.00
ASTM C109	COMPRESSIVE STRENGTH OF MORTAR CUBES (SET OF 6)	\$ 102.00
AASHTO T97, ASTM C78	TEST FOR FLEXURAL STRENGTH OF CONCRETE USING BEAM W/ 3 POINT LOADING. (EACH)	\$ 45.00
ASTM C579	COMPRESSIVE STRENGTH OF CHEMICAL RESISTANT MORTARS, GROUTS, & POLYMER CONCRETES (SET OF 3)	\$ 153.00
AASHTO T121, ASTM C138	TEST FOR UNIT WEIGHT, YIELD (GRAVIMETRIC)	\$ 40.00
AASHTO T152	AIR CONTENT OF FRESHLY MIXED CONCRETE SAMPLE	\$ 45.00
AASHTO T119	SLUMP ON FRESHLY MIXED CONCRETE SAMPLE	\$ 30.00
ASTM C192	CONCRETE MIX DESIGN INCLUDING TRIAL BATCHING (SET OF 6 CYLINDERS)	\$ 800.00
AASHTO T245	CUTTING CONCRETE CORE SAMPLES UP TO 8" DEPTH- EQUIPMENT ONLY (PER CORE)	\$ 50.00
AASHTO T245	ADDITIONAL DEPTH OVER 8" PER CORE SAMPLE-EQUIPMENT ONLY (PER CORE)	\$ 10.00
ASTM C1567	ALKALI-SILICA REACTIVITY OF CEMENTITIOUS MATERIALS & AGGREGATES (ASR)	PRICE UPON REQUEST
ASTM 1260	POTENTIAL ALKALI REACTIVITY OF AGGREGATES (MORTAR BAR METHOD)	PRICE UPON REQUEST
ASTM C531	LINEAR SHRINKAGE & COEFFICIENT OF THERMAL EXPANSION OF CHEMICAL RESISTANT MORTARS, (SET OF 4 BAR	\$ 1,300.00
	REPORT AND REVIEW (PER TEST REPORT)	\$ 20.00

\$17 Each |

EST, INC. TEXAS MATERIAL TESTING



Asphalt Testing Pricing

<u>Method</u>	<u>Asphalt Test</u>	<u>Price</u>
ASHTO T30 , TEX 200-F	MECHANICAL ANALYSIS OF HMA	\$ 50.00
	DETERMINING ASPHALT CORE THICKNESS,	\$ 25.00
	CUTTING CORE SAMPLE UP TO 8" DEPTH, PER CORE(EQUIPMENT ONLY)	\$ 50.00
	ADDITIONAL COST PER INCH OVER 8"	\$ 10.00
	PATCHING CORE HOLES (EACH)	\$ 25.00
ASHTO T176 , TEX203-F	SAND EQUIVALENT TEST ON FINE AGGREGATES	\$ 85.00
TEX 207-F	ROADWAY DENSITIES NUCLEAR METHOD PER HOUR (2 HR MIN.)	\$ 55.00
ASHTO T166, T209, TEX207, TEX227, TEX204-F	LAB MOLDED DENSITY, VMA, & SPECIFIC RICE GRAVITY (TGC)	\$ 175.00
ASHTO T312, T209, TEX207, TEX227, TEX204-F	LAB MOLDED DENSITY, VMA, & SPECIFIC RICE GRAVITY (SGC)	\$ 195.00
TEX-236-F	IGNITION OVEN CALIBRATION FACTORS	\$ 350.00
TEX-207-F	DETERMINING IN PLACE ROADWAY DENSITY (SET OF 2 TRIMMED CORES)	\$ 50.00
TEX-207-F	TRIMMING OF ROADWAY CORES (PER SET OF 2)	\$ 50.00
TEX-207-F	ESTABLISHING HMA ROLLING PATTERN (NUCLEAR METHOD) PER HOUR	\$ 65.00
ASHTO T308, T30 TEX-210-F	IGNITION OVEN EXTRACTION AND SIEVE ANALYSIS	\$ 150.00
ASHTO T308, TEX-236-F	IGNITION OVEN ASPHALT CONTENT %	\$ 105.00
TEX-246-F	PERMEABILITY	UPON REQUEST
ASHTO T331, TEX-207-F	CORELOK (SET OF 2)	\$ 150.00
ASHTO T245	MARSHALL STABILITY	\$ 125.00
TEX-242-F	HAMBURG TESTING (PER SAMPLE)	\$ 600.00
MIX DESIGNS	HVEEM MIX DESIGN	\$ 2,500.00
MIX DESIGNS	TXAPA LEVEL II HMAC MIX DESIGN (TGC)	\$ 4,000.00
MIX DESIGNS	TXAPA LEVEL II HMAC MIX DESIGN (SGC)	\$ 4,000.00
MIX DESIGNS	MARSHALL MIX DESIGN	\$ 2,500.00
MIX DESIGNS	STONE MATRIX ASPHALT (SMA) MIX DESIGN	UPON REQUEST
	REPORT AND REVIEW (PER TEST REPORT)	\$ 20.00

EST,INC. TEXAS MATERIAL TESTING

SECTION E - BID PROPOSAL FORM - ALTERNATE BID ITEMS

**BID PROPOSAL: MELISSA NORTH ELEVATED STORAGE TANK SITE IMPROVEMENTS
CITY OF MELISSA, TEXAS**

ITEM NO.	DESCRIPTION / UNIT PRICE	SPEC. REF.	TOTAL EST. QTY.	UNIT	UNIT PRICE	TOTAL AMT.
ALT-SD2	24" CLASS III CPP, complete and in place for the amount of: _____ dollars and _____ cents per linear foot.	NCTCOG 508.6 Melissa Detail 6001M*, 3010AM*	609	LF	\$ _____ -	\$ _____ -
ALT-W9	24" AWWA C900 DR-18 PVC water pipe, installed by open cut, including excavation, backfill and compaction, Class "H" embedment, and associated items, complete in place for the amount of: _____ dollars and _____ cents per linear foot.	NCTCOG 501.14, 506 NCTCOG Details: 4010A-4010C, 4020-4040 Melissa Details: 4001M*, 4005M*, 3061M* 4200M*- 4202M*	836	LF	\$ _____ -	\$ _____ -