

**WEBB COUNTY – HOWLAND ENGINEERING AND SURVEYING CO.
FOR
MATERIAL TESTING
WORK AUTHORIZATION # 2**

This Work Authorization #2 is made under the Professional Services Contract Webb County – Howland Engineering and Surveying Co. Master Contract for Material Testing as approved by the Commissioners Court of Webb County on October 24, 2022.

1. **AUTHORIZATION TO PROCEED**

The execution of this Work Authorization and subsequent issuance of a Notice to Proceed shall be construed as authorization by the County for Howland Engineering and Surveying Co. (hereinafter "Consultant) to proceed with the work.

2. **SCOPE OF SERVICES**

The scope of services to be provided by Consultant for this Work Authorization is the following:

Project Name: **Mangana Hein Road Extension Project**

Type of Service: **Construction Materials and Engineering Testing**

Scope of services is further detailed in the attached Exhibit "A" attached hereto and incorporated as if set out in full for all intents and purposes.

3. **COUNTY OBLIGATIONS**

County will provide to the Consultant the following:

- a. Provide the authorization to proceed with services through coordination with the Consultant.
- b. Payment for work performed by the Consultant and accepted by County in accordance with Article IV. of the Master Agreement and Article 4 of this Work Authorization Agreement.
- c. Assistance to the Consultant, as necessary, to obtain needed data and information from other local, regional, State and Federal agencies the Consultant cannot easily obtain.
- d. Provide any available relevant data County may have on file that will assist Consultant.
- e. Provide timely review and decisions in response to the Consultant's request for information and/or required submittals and deliverables, in order for the Consultant to maintain the agreed upon work schedule prepared in accordance with this Work Authorization.
- f. Attend and participate in progress meetings as required and as coordinated and conducted by Consultant.

4. COMPENSATION AND PAYMENT

The cost for services under this Work Authorization will be based on a lump sum fee not to exceed TWENTY-NINE THOUSAND ONE HUNDRED SEVENTY-FOUR DOLLARS (\$29,174.00) for the services detailed in Article 2 of this Work Authorization #1. The maximum amount payable under this Work Authorization #2 is TWENTY-NINE THOUSAND ONE HUNDRED SEVENTY-FOUR DOLLARS (\$29,174.00).

5. ERRORS, OMISSIONS, NEGLIGENT ACTS POLICY

Consultant shall save harmless County and its officers and employees from all claims and liability due to activities of itself, its agents, or employees, performed under this Work Authorization and which are caused by or result from error, omission, or negligent act of the Consultant or any person employed by the Consultant.

6. INDEPENDENT CONTRACTOR

Consultant must comply with all applicable County policies and with any applicable Federal, State or local laws, regulations, orders or ordinances applicable to the services provided by Consultant under this Work Authorization. Notwithstanding the foregoing sentence, Consultant represents and maintains that it is an independent contractor and is not an employee of County or any agency thereof, and represents and warrants that it does not desire or request any fringe benefits provided to employees of the County and/or any agency thereof, including but not limited to benefits associated with County's civil service program. Consultant shall be responsible for any federal income tax, withholding or social security tax liability that might arise from payments received hereunder.

7. TERMINATION

This Work Authorization #1 terminates when the Contract terminates or pursuant to Article VIII of the Master Contract, whichever occurs first.

8. ADDITIONAL SERVICES

Services in addition to those specified in the SCOPE OF SERVICES may be provided by the Consultant if authorized in writing by County. Additional services will be paid for by County as negotiated in a Supplemental Work Authorization.

9. ACCEPTANCE AND APPROVAL

This Work Authorization does not waive the parties' responsibilities and obligations as established by the Contract.

This Work Authorization is hereby accepted and approved by the Webb County Commissioners Court on February 27, 2023 and effective as of February 27, 2023, even if any signatures are made after that date.

10. EXHIBITS INCORPORATED

Exhibit "A" is made part of this Work Authorization.

11. EFFECTIVE DATE

This Work Authorization is effective when executed by both parties and

COUNTY

CONSULTANT

By: Tano Tijerina
County Judge

Roberto P. Martinez Jr., P.E.

Date: _____

Date: _____

	Est. Quantities	Unit		Unit Cost	Cost Est.
Moisture Density Relationship & Atterberg Limits Determination:					
Subgrade -Site/Trenching	5	EA	@	\$515.00	\$2,575.00
Select Fill Material	1	EA	@	\$515.00	\$515.00
Flexible Base (with Grain Sieve Analysis)	2	EA	@	\$690.00	\$1,380.00
Proof Rolling:					
Mangana Hein Road Subgrade	6	HR	@	\$100.00	\$600.00
Observation:					
TX-5 Geogrid Installation	10	HR	@	\$65.00	\$650.00
Densities:					
<i>Minimum of four (4) tests per call out</i>					
Roadway:					
Mangana Hein Roadway					
Subgrade (Every 150 LF)	35	EA	@	\$40.00	\$1,408.00
Fill Material (6" Lifts)	16	EA	@	\$40.00	\$640.00
Flexible Base (2 Lifts @ Maximum 8" Lifts Every 150 LF)	70	EA	@	\$40.00	\$2,816.00
Behind Edge of Pavement (2 Lifts @ Maximum 8" Lifts Every 300 LF)	72	EA	@	\$40.00	\$2,880.00
Utilites:					
24" RCP Drainage Crossing					
Subgrade	2	EA	@	\$40.00	\$80.00
Backfill Material	20	EA	@	\$40.00	\$800.00
8'X3' Box Culverts					
Subgrade	2	EA	@	\$40.00	\$80.00
Backfill Material	20	EA	@	\$40.00	\$800.00
4'X2' Box Culverts					
Subgrade	2	EA	@	\$40.00	\$80.00
Backfill Material	20	EA	@	\$40.00	\$800.00
Concrete:					
<i>Compressive Strength Testing - 4 Cylinders per Set</i>					
Utilites:					
24" RCP Drainage Crossing					
Wingwall Footing	2	SET	@	\$250.00	\$500.00
Headwalls & Wingwalls	2	SET	@	\$250.00	\$500.00
Rip Rap	1	SET	@	\$250.00	\$250.00
8'X3' Box Culverts					
Wingwall Footing	2	SET	@	\$250.00	\$500.00
Headwalls & Wingwalls	2	SET	@	\$250.00	\$500.00
Rip Rap	1	SET	@	\$250.00	\$250.00
4'X2' Box Culverts					
Wingwall Footing	2	SET	@	\$250.00	\$500.00
Headwalls & Wingwalls	2	SET	@	\$250.00	\$500.00
Rip Rap	1	SET	@	\$250.00	\$250.00
Asphalt:					
Mangana Hein Road					
Asphalt Sampling (HMA Surface Course)	6	EA	@	\$500.00	\$3,000.00
Asphalt Densities (Every 300 LF)	18	EA	@	\$50.00	\$880.00
Asphalt Cores (Every 528 LF)	10	EA	@	\$125.00	\$1,250.00
Flexible Base Depth Checks (Every 400 LF)	13	EA	@	\$75.00	\$990.00
Steel:					
Rebar Inspection					
Wingwall Footing	6	HR	@	\$125.00	\$750.00
Wingwalls and Headwals	6	HR	@	\$125.00	\$750.00
Welding & Torque Inspection					
Metal Beam Guard Fence (CWI Inspector)	6	HR	@	\$175.00	\$1,050.00
Miscellaneous Fees & Services:					
Atterberg Limits Verification	0	EA	@	\$165.00	\$0.00
Sieve Analysis Verification	0	EA	@	\$125.00	\$0.00
Wet Ball Mill	2	EA	@	\$325.00	\$650.00
Project Management Fees:					
RFI/Submittals/Meetings	0	HR	@	\$150.00	\$0.00

Note:

Provide 24-hour notice prior to test service.

1.5 X for Non-Regular Working Hours

TOTAL COST EST. = \$29,174.00