

January 9, 2025

Webb County
1620 Santa Ursula, 2nd Floor
Laredo, TX 78040

Attn.: Guillermo B. Cuellar, PE
Assistant Webb County Engineer

Sent Via E-Mail to gbcuellar@webbcountytx.gov

**Subject: Proposal – Construction Materials and Engineering Testing –
Webb County Regional Waste Water Treat Facility Improvements
1806 Margarita Lane
Lot 1, Block 1, Regional Waste Water Treatment Plant
Rio Bravo, Webb County, Texas**

Dear Mr. Cuellar,

Howland Engineering and Surveying Co., Inc. (Howland) appreciates the opportunity to propose the construction materials testing (CMT) for the above referenced project in west Rio Bravo, Texas. We are pleased to submit the following cost estimate.

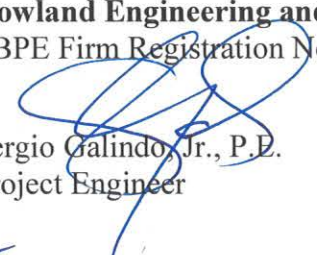
The attached cost estimate is based on the preliminary plans by *Garver, LLC.*, and the standard required testing frequencies we anticipate from the Client. The total estimated fee is **\$44,666.50**. Please be advised that this is an estimate only and may change due to unforeseen quantities and/or situations during the construction phase of the project. This is not a Quality Assurance / Quality Control (QA/QC) scope. Howland will only be on-site to perform the requested test at the requested time.

Howland maintains a full-service testing laboratory in Laredo, Texas. Howland has experienced personnel with knowledge of local geologic conditions and materials. Our field personnel are certified nuclear density operators and American Concrete Institute (ACI) Grade I certified.

We appreciate the opportunity in submitting this cost and look forward to providing our services. Should you have any questions or require additional information, please do not hesitate to call us at (956) 722-4411. Thank you.

Sincerely,

Howland Engineering and Surveying Co., Inc.
TBPE Firm Registration No. F-4097


Sergio Galindo, Jr., P.E.
Project Engineer


Austin C. Holmgreen, E.I.T.
Project Manager

proposal-cmt-webb county-rio bravo wwtp improvements

AUTHORIZATION TO PROCEED:

Signature: _____

Print Name: _____

Title: _____

Date: _____

www.howlandcompanies.com

7615 N. Bartlett Avenue | P.O. Box 451128 (78045) | Laredo, TX 78041 | P. 956.722.4411 | F. 956.441.0180
4902 Sinclair Road | San Antonio, TX 78222 | P. 210.648.1600 | F. 210.648.1605
16225 Park Ten Place, Suite 500 | Houston, TX 77048 | P. 956.251.3890
TBPE Firm Registration No. F-4097 | TBPLS Firm Registration No. 10046400 | TBPLS Firm Registration No. 10194361

		Est. Quantities	Unit	Unit Cost	Cost Est.	
Moisture Density Relationship & Atterberg Limits Determination:						
	Subgrade - Site/Trenching	6	EA	@	\$515.00	\$3,090.00
	Fill Material	0	EA	@	\$515.00	\$0.00
	Asphalt Milling (with Grain Sieve Analysis)	0	EA	@	\$690.00	\$0.00
	Miscellaneous	1	EA	@	\$515.00	\$515.00
Proofrolling:						
	Buildings	3	HR	@	\$125.00	\$375.00
Densities:		<i>Minimum of four (4) tests per call out</i>				
Buildings:						
	Headworks Structure	4	EA	@	\$40.00	\$160.00
	Blower Building Canopy	4	EA	@	\$40.00	\$160.00
	Sludge Holding Tank	4	EA	@	\$40.00	\$160.00
	Blower Pad	4	EA	@	\$40.00	\$160.00
Yard Piping:						
	4" WAS	10	EA	@	\$40.00	\$400.00
	8" TWAS	14	EA	@	\$40.00	\$560.00
	6" TWAS	5	EA	@	\$40.00	\$200.00
	10" RS (FM)	10	EA	@	\$40.00	\$400.00
	18" RS	6	EA	@	\$40.00	\$240.00
	8" PD	9	EA	@	\$40.00	\$360.00
	6" PD	8	EA	@	\$40.00	\$320.00
Site:						
	Electrical	36	EA	@	\$40.00	\$1,440.00
	Concrete Pads	4	EA	@	\$40.00	\$160.00
	Miscellaneous	20	EA	@	\$40.00	\$800.00
Concrete:		<i>Compressive Strength Testing - 5 Cylinders per Set / Every 50 CY</i>				
Buildings:						
Headworks Structure:						
	Foundation and Piping	6	SET	@	\$312.50	\$1,875.00
	Walls & Slabs	16	SET	@	\$312.50	\$5,000.00
	Air Release Valve Pad	1	SET	@	\$312.50	\$312.50
Blower Building:						
	Foundation	1	SET	@	\$312.50	\$312.50
	Equipment Pad	1	SET	@	\$312.50	\$312.50
Chlorine Contact Basin:						
	Upper Level Slab	1	SET	@	\$312.50	\$312.50
	Pump Pads	1	SET	@	\$312.50	\$312.50
	Expansion Pad	1	SET	@	\$312.50	\$312.50
Activated Sludge Holding Tank:						
	Foundation and Piping	2	SET	@	\$312.50	\$625.00
Aerated Sludge Blower Pad:						
	Blower Slab and Pad	2	SET	@	\$312.50	\$625.00
Site:						
	Flatwork	2	SET	@	\$312.00	\$624.00
	Miscellaneous	5	SET	@	\$312.00	\$1,560.00
Concrete:		<i>CMU Prisms, Grout, and Mortar - 5 Cylinders per Set / Every 50 CY</i>				
Buildings:						
Chlorine Contact Basin:						
	CMU Prisms	1	SET	@	\$312.50	\$312.50
	Grout	1	SET	@	\$312.50	\$312.50
	Mortar	1	SET	@	\$312.50	\$312.50
Steel:		<i>As needed by the Client / General Contractor</i>				
Foundation Reinforcement Inspection						
	Headworks Structure	35	HR	@	\$175.00	\$6,125.00
	Blower Building and Canopy	3	HR	@	\$175.00	\$525.00
	Chlorine Contact Basin	4	HR	@	\$175.00	\$700.00
	Activated Sludge Holding Tank and Aerated Sludge Blower Pad	5	HR	@	\$175.00	\$875.00
Welding, Bolt and Torque Inspection						
	Inspection @ Initial	10	HR	@	\$175.00	\$1,750.00
	Inspection @ 25%	5	HR	@	\$175.00	\$875.00
	Inspection @ 50%	5	HR	@	\$175.00	\$875.00
	Inspection @ 100%	8	HR	@	\$175.00	\$1,400.00
Miscellaneous Fees & Services:						
	Atterberg Limits Verification	0	EA	@	\$165.00	\$0.00
	Sieve Analysis Verification	0	EA	@	\$125.00	\$0.00
	Wet Ball Mill	0	EA	@	\$350.00	\$0.00
	Standby Time	0	HR	@	\$45.00	\$0.00
Project Management Fees:						
	Project Engineer	15	HR	@	\$225.00	\$3,375.00
	Project Manager	25	HR	@	\$175.00	\$4,375.00
	Administration	18	HR	@	\$65.00	\$1,170.00

Note:

Provide 24-hour notice prior to test service. A Trip Charge will accrue if contractor is not available for testing at requested, or scheduled, time.

1.5 X for Non-Regular Working Hours. (Please note concrete and density tests **DO NOT** consider this cost)

Four (4) densities per call out. Additional costs will accrue if less than four (4) tests are performed.

Miscellaneous tests are included shall any failures be encountered or additional tests be required. *

Standby By Time has been included as a line item in the event stand by is required. *

Prepour Inspections are provided as a "As Needed" service for Quality Control for rebar placement verification. *

* - Will not be included in invoice if not utilized. Only for additional services if required, or necessary,

TOTAL COST EST. = \$44,666.50