



February 21, 2025

City of Laredo Engineering Department
1110 Houston Street1
Laredo, TX 78041

Attn.: Eliud De Los Santos, P.E.
City Engineer

Sent Via E-Mail to: edelossant@ci.laredo.tx.us

**Subject: Proposal – Construction Materials and Engineering Testing –
Riverbend Hike & Bike Trail Project Phase 1 – FY24-ENG-82 Riverbend
Adjacent South to Laredo College
Laredo, Webb County, Texas**

Dear Mr. De Los Santos,

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

The attached cost estimate is based on the design construction plans by *Crane Engineering Corporation* and the standard required testing frequencies we anticipate from the Client. The total estimated fee is **\$16,935.00**. 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 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.

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

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

AUTHORIZATION TO PROCEED:

Joseph Neeb: _____
City Manager

Eliud De Los Santos, P.E.: _____
City Engineer II

Mario I Maldonado, Jr.: _____
City Secretary

Date: _____

proposal-cmt-col-riverbend hike & bike trail project - phase 1

	Est. Quantities	Unit		Unit Cost	Cost Est.
Moisture Density Relationship & Atterberg Limits Determination:					
Subgrade - Site	3	EA	@	\$515.00	\$1,545.00
Flexible Base (with Grain Sieve Analysis)	2	EA	@	\$690.00	\$1,380.00
Proof Roll					
Trail & Gazebo	5	EA	@	\$100.00	\$500.00
Densities					
<i>Minimum of four (4) tests per call out</i>					
Walking Trails					
Trail A	18	EA	@	\$40.00	\$720.00
Trail B	6	EA	@	\$40.00	\$240.00
Trail C	2	EA	@	\$40.00	\$80.00
Trail D	2	EA	@	\$40.00	\$80.00
Trail E	2	EA	@	\$40.00	\$80.00
Trail F	2	EA	@	\$40.00	\$80.00
(Trail)	2	EA	@	\$40.00	\$80.00
Common Area	3	EA	@	\$40.00	\$120.00
Observation Decks	2	EA	@	\$40.00	\$80.00
Gazebo	1	EA	@	\$40.00	\$40.00
Flexible Base Material (8")					
Trail A	18	EA	@	\$40.00	\$720.00
Trail B	6	EA	@	\$40.00	\$240.00
Trail C	2	EA	@	\$40.00	\$80.00
Trail D	2	EA	@	\$40.00	\$80.00
Trail E	2	EA	@	\$40.00	\$80.00
Trail F	2	EA	@	\$40.00	\$80.00
(Trail)	2	EA	@	\$40.00	\$80.00
Observation Decks	2	EA	@	\$40.00	\$80.00
Gazebo	1	EA	@	\$40.00	\$40.00
Flexible Base Material (4")					
Common Area	3	EA	@	\$40.00	\$120.00
Concrete:					
<i>Four (4) cylinders per set</i>					
All Trails	15	SET	@	\$250.00	\$3,750.00
Gazebo	1	SET	@	\$250.00	\$250.00
Observation Decks	2	SET	@	\$250.00	\$500.00
Walk Path Footings	2	SET	@	\$250.00	\$500.00
Steel:					
Rebar					
Miscellaneous Rebar Inspection	0	HR	@	\$175.00	\$0.00
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	@	\$350.00	\$700.00
Project Management Fees:					
<i>RFIs/Submittals/Meetings/Project Management</i>					
Project Engineer	7	HR	@	\$225.00	\$1,575.00
Project Manager	14	HR	@	\$175.00	\$2,450.00
Administration	9	HR	@	\$65.00	\$585.00

Note:

Provide 24-hour notice prior to test service.
1.5 X for Non-Regular Working Hours

TOTAL COST EST. = **\$16,935.00**