

AMENDED AGREEMENT FORM

To: Martha H. Palacios
Webb County Engineering Department
From: Sergio Galindo, Jr., PE
Howland Engineering and Surveying Co.
Project: Webb County Welch Road Improvements
Subject: Additional Construction Materials Testing – Box Culverts
Date: May 12, 2023

SUMMARY CONTRACT TO DATE:

Description	Date Approved	Amount Value
Original Contract		
Construction Material Testing (CMT)	November 17, 2022	5,305.00
Original Contract Total =		\$5,305.00

WE HEREBY AUTHORIZE HOWLAND TO PERFORM THE FOLLOWING ADDITIONAL SERVICE(S):

The following request for additional budget is based on the Construction Material Testing (CMT) as requested by Mr. Guillermo B. Cuellar, PE, Assistant Webb County Engineer, for the project, for roadway improvements.

The project required additional concrete sampling for the concrete culverts proposed for the project. Based on our observations, the concrete culverts were initially to be pre-cast as opposed to cast-in-place. Due to the above, concrete samples were taken for every day's pour. Additionally, extra density tests were taken within the backfill for the box culverts and the roadway improvements.

ADDITIONAL LUMP SUM COST FOR THE ABOVE-DESCRIBED SERVICES: \$3,400.00

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REVISED SUMMARY CONTRACT:

Description	Date Approved	Amount Value
Original Contract		
Construction Material Testing (CMT)	November 17, 2022	5,305.00
Original Contract Total =		\$5,305.00
Amended To Contract		
Additional Budget to CMT	<i>Pending</i>	\$3,400.00
		\$3,400.00*
Total Amended Contract =		\$8,705.00

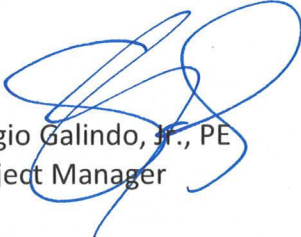
* See Revised Estimated Quantities attached.

CLOSING/ACCEPTANCE AND AUTHORIZATION TO PROCEED

We appreciate the opportunity to submit this amendment and look forward to assisting you in this additional service. If the foregoing is acceptable, please provide us with written authorization by returning a signed copy of this letter to our office via hand delivered mail or electronic mail.

Should you have any questions or require additional information, please do not hesitate to call me at 956-722-4411. Thank you.

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



Sergio Galindo, Jr., PE
 Project Manager

AUTHORIZATION TO PROCEED:

Signature: _____
 Print Name: _____
 Title: _____
 Date: _____

Attachment: Construction Materials Testing Estimated Quantities – May 12, 2023

amendment to contract-webb county-welch road



Project Name: **Welch Road Culvert Improvements - Revised**
 Client: **Webb County**
 Type of Service: **Construction Materials and Engineering Testing**
 Date: **May 12, 2023**

	Est. Quantities	Unit		Unit Cost	Cost Est.
Moisture Density Relationship & Atterberg Limits Determination:					
Subgrade	1	EA	@	\$515.00	\$515.00
Fill Material	1	EA	@	\$515.00	\$515.00
Flexible Base with Grain Sieve Analysis	1	EA	@	\$690.00	\$690.00
Proof Rolling:					
Subgrade	1	EA	@	\$100.00	\$100.00
Densities:					
<i>Minimum of four (4) tests per call out</i>					
Pavement:					
Subgrade	4	EA	@	\$40.00	\$160.00
Fill Material	8	EA	@	\$40.00	\$320.00
Flexible Base Material (2 Lifts)	8	EA	@	\$40.00	\$320.00
Culvert:					
Subgrade	2	EA	@	\$40.00	\$80.00
Fill Material	22	EA	@	\$40.00	\$880.00
Miscellaneous	5	EA	@	\$40.00	\$200.00
Concrete:					
<i>Compressive Strength Testing - 4 Cylinders per Set</i>					
Site:					
5" Thick Rip Rap	4	EA	@	\$250.00	\$1,000.00
Culvert Footing & Wingwalls	4	EA	@	\$250.00	\$1,000.00
Culvert Headwalls	2	EA	@	\$250.00	\$500.00
Concrete Dissipators	2	EA	@	\$250.00	\$500.00
Steel:					
Foundation Reinforcement Inspection	0	HR	@	\$125.00	\$0.00
Asphalt:					
Asphalt Sampling (HMA Surface Course)	2	EA	@	\$500.00	\$1,000.00
Asphalt Densities	2	EA	@	\$50.00	\$100.00
Asphalt Cores	1	EA	@	\$125.00	\$125.00
Flexible Base Depth Checks	2	EA	@	\$75.00	\$150.00
Miscellaneous Fees & Services:					
Atterberg Limits Verification	0	EA	@	\$165.00	\$0.00
Sieve Analysis Verification	0	EA	@	\$125.00	\$0.00
Wet Ball Mill	1	EA	@	\$350.00	\$350.00
Standby Time	4	HR	@	\$50.00	\$200.00
Project Management Fees:					
Project Engineer	0	EA	@	\$200.00	\$0.00
Project Manager	0	EA	@	\$150.00	\$0.00
Administration	0	EA	@	\$65.00	\$0.00

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

TOTAL COST EST. = \$8,705.00