



January 04, 2021

Commissioner Ellie Torres
Attn: Velinda Reyes
Hidalgo County, Pct. #4
1051 N. Doolittle Road
Edinburg, Texas 78542

RE: Hidalgo County Bus Barn

Dear Ms. Reyes:

Included for your use with this letter are test reports **R009 and R010 for Concrete Compression Testing** performed on the above referenced project. As noted on our reports, all test results have met or exceeded project requirements. Also included for your use, is an invoice for the services provided.

L&G Engineering appreciates the opportunity to serve your material testing needs on this project and we look forward to working with you in the future.

If you have any questions, feel free to contact me at 956-565-0760.

Sincerely,

Ricardo Gallaga, P.E.
General Manager

Attachments

cc: Hidalgo County Pct. #4 – Attn: Velinda Reyes
Halff Associates, Inc. Attn: Raul Garcia, Jr. P.E., CFM
Celso Gonzalez Construction, Inc. Attn: Celso Gonzalez Jr.- President

2100 W. Expressway 83
 Mercedes, TX 78570
 Office (956) 565-0760 Fax (956) 565-6746

Client Address: Hidalgo County Pct. #4
 Velinda Reyes
 1051 N. Doolittle Rd.

Edinburg, TX. 78542 USA

Account No.: E130

Project No: E130201

Project Desc.: Hidalgo County Sheriff's Bus Barn

Due Date: UPON RECEIPT

Budget/Remaining: \$5,509.18 / \$1,404.27

===== Invoice Summary by Billing Code =====

	<u>Unit Rate</u>	<u>Qty</u>	<u>Extension</u>
920:92034 - Comp. Strength of Cyl. Specimen	\$16.89	2.00	\$33.78
920:92035 - Cyl. Specimen Prep./Hold/Cure	\$29.62	4.00	\$118.48
940:94047 - Eng. Tech. (Concrete / Lab)	\$58.20	0.50	\$29.10
940:94050 - Eng. Tech. (Concrete)	\$58.20	8.00	\$465.60
940:94054 - Engineering Lab Manager	\$116.40	0.25	\$29.10
950:95058 - Vehicle Trip Charge	\$0.54	128.00	\$69.12
950:95060 - Admin/Clerical	\$58.20	0.50	\$29.10
950:95061 - Test Report	\$25.03	2.00	\$50.06
			<hr/> <hr/>
		Total for this Invoice:	\$824.34

===== Invoice Detail by Report =====

<u>Report No.</u>	<u>Sampled</u>	<u>Qty</u>	<u>Billing Code</u>	<u>Unit Type</u>	<u>Unit Rate</u>	<u>Extension</u>
R009	11/24/2020	4.00	920:92035 - Cyl. Specimen Prep./Hold/Cure	Each	\$29.62	\$118.48
R009	11/24/2020	8.00	940:94050 - Eng. Tech. (Concrete)	Hour	\$58.20	\$465.60
R009	11/24/2020	0.25	940:94054 - Engineering Lab Manager	Hour	\$116.40	\$29.10
R009	11/24/2020	128.00	950:95058 - Vehicle Trip Charge	Mile	\$0.54	\$69.12
R009	11/24/2020	0.25	950:95060 - Admin/Clerical	Hour	\$58.20	\$14.55
R009	11/24/2020	1.00	950:95061 - Test Report	Each	\$25.03	\$25.03
			Sample Date: 11/24/2020	Report Number R009 for a Subtotal of:		<hr/> <hr/>
						\$721.88
R010	11/25/2020	2.00	920:92034 - Comp. Strength of Cyl. Specimen	Each	\$16.89	\$33.78
R010	11/25/2020	0.50	940:94047 - Eng. Tech. (Concrete / Lab)	Each	\$58.20	\$29.10

REMIT TO: 2100 W. Expressway 83
 Mercedes, TX 78570
 Office (956) 565-0760 Fax (956) 565-6746

Net 30 Days

PAST DUE BALANCES SUBJECT TO 1.5% SERVICE CHARGE PER MONTH
 PLEASE REFERENCE INVOICE NUMBER WITH PAYMENT

2100 W. Expressway 83
 Mercedes, TX 78570
 Office (956) 565-0760 Fax (956) 565-6746

===== Invoice Detail by Report =====

<u>Report No.</u>	<u>Sampled</u>	<u>Qty</u>	<u>Billing Code</u>	<u>Unit Type</u>	<u>Unit Rate</u>	<u>Extension</u>
R010	11/25/2020	0.25	950.95060 - Admin/Clerical	Hour	\$58.20	\$14.55
R010	11/25/2020	1.00	950.95061 - Test Report	Each	\$25.03	\$25.03
			Sample Date: 11/25/2020			
					Report Number R010 for a Subtotal of:	\$102.46
					Total for this Invoice:	\$824.34

REMIT TO:2100 W. Expressway 83

Mercedes, TX 78570

Office (956) 565-0760 Fax (956) 565-6746

Budget: \$5,509.18

Prev Inv: \$3,280.57

This Inv: \$824.34

Balance: \$1,404.27

Net 30 Days

PAST DUE BALANCES SUBJECT TO 1.5% SERVICE CHARGE PER MONTH
 PLEASE REFERENCE INVOICE NUMBER WITH PAYMENT

**REPORT OF SITE VISIT
TEST REPORT**

Project Description: Hidalgo County Sheriff's Bus Barn
Client: Hidalgo County Pct. #4
Engineer: Halff & Associates, Inc.
Contractor: Celso Gonzalez Construction, Inc.

L&G Project Number: E130201
L&G Report Number: R009
Sample Date: 11/24/2020
Date Reported: 11/24/2020

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On 11-24-2020 a representative of L&G Engineering Laboratory was dispatched to Hidalgo County Bus Barn to perform inspection on the placement of ready-mixed concrete on Piers & Valley Gutter.

Specimen Number 2 was obtained and tested at 2:45 PM, and the following were determined:

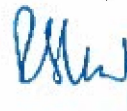
Concrete Temp: <u>83°f</u>	<u>Specification</u>	Entrapped/Entrained Air Content: <u>1.8%</u>	<u>As Approved</u>
			<u>Specification</u>
Ambient Temp: <u>87°f</u>	<u>Specification</u>	Slump: <u>8 inches</u>	<u>Max 5</u>
			<u>Specification</u>

On 11-24-2020 a representative of L&G Engineering Laboratory was dispatched to the referenced project to collect the cylindrical specimens cast on the placement of ready-mixed concrete on Piers & Valley Gutter. The specimens were delivered to the laboratory where they were stripped, labeled, and placed in a curing tank for testing at intervals of 7 and 28 days.

Test Methods (If Applicable): ASTM C-231, ASTM C-143, ASTM C-1064, ASTM C-31, ASTM C-172

Orig: Hidalgo County Pct. #4 (E130) (Hidalgo County Pct. #4)
(Edinburg, TX) Attn: Maria Lucio
(1-cc copy)
1-cc Halff & Associates, Inc.
Attn: Robert L. Saenz, PE, CFM, PMP
1-cc Celso Gonzalez Construction, Inc.
Attn: Celso Gonzalez
1-cc Laboratory

Respectfully Submitted,
L&G Engineering



Ricardo Gallaga, P.E, Project Manager

CONCRETE COMPRESSION TEST REPORT

Project Description: Hidalgo County Sheriff's Bus Barn
 Client: Hidalgo County Pct. #4
 Engineer: Halff & Associates, Inc.
 Contractor: Celso Gonzalez Construction, Inc.

L&G Project Number: E130201
 L&G Report Number: R010
 Sample Date: 11/25/2020
 Date Reported: 11/25/2020

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Placement Location: Piers & Valley Gutter
 Mix ID: 4000 CRI Supplier: Central Ready Mix
 Specified Strength: 4,000 P.S.I. @ 28 days
 Specified Slump: Max 5 Slump: 8.0"
 Specified Air Content: As Approved Air Content: 1.8%
 Weather Conditions: Sunny & Windy Air Temp.: 87°F
 Time Batched: 1:30 pm Time Sampled: 2:45 pm Concrete Temp.: 83°F
 Plant Ticket No: 001 Truck No: 299 CY: 10
 Water: 0 gal.

Compressive Strength Data


Set No.	Identification	Test Date	Age (days)	Max Load (pounds)	Diameter	Area	Break Type	Comp. Strength	Average Strength (psi)	% of Design	Tested By
2	A	12/02/2020	7	108,555	6.000	28.274	Columnar	3,840		96.00%	M. Aguirre
	B	12/02/2020	7	111,035	6.000	28.274	Columnar	3,930	3,880	98.25%	M. Aguirre

Remarks/Comments:

6 x 12 in. Cylinders ASTM C31, C39, C138, C143, C172, C231, C1064, C1231; AASHTO T22, T23, T119, T121, T141, T152
Test Methods: ASTM C31, C39, C138, C143, C172, C231, C1064, C1231; AASHTO T22, T23, T119, T121, T141, T152, T3

Orig: Hidalgo County Pct. #4 (E130) (Hidalgo County Pct. #4)
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Respectfully Submitted,
 L&G Engineering



 Ricardo Gallaga, P.E., Project Manager