



June 30, 2025

Hon. David Fuentes.
Hidalgo County Commissioner, Pct.#1
Attn: Ms. Erika Espinosa
1902 Joe Stevens
Weslaco, TX 78596

**RE: ARPA-22-121-044 Mercedes Gate Structure Stormwater Project
PO#892645**

Mr. Fuentes:

Included for your use with this letter are test reports **R002 – R006** for Proctor Test performed for the above-referenced project. All test results have met or exceeded the project requirements unless noted otherwise. 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.

Should you have any questions, please feel free to give me a call at 956-565-9813.

Sincerely,

Ricardo Gallaga, P.E.
General Manager, Laboratory Operations

Attachments

cc:

2100 W. Expressway 83
Mercedes, TX 78570
Office (956) 565-0760 Fax (956) 565-6746
Client Address: Hidalgo County Pct. #1
 1902 Joe Stevens Drive
 Weslaco, TX. 78596 USA

Account No: L155
Project No: E155251
Project Desc.: ARPA-22-121-044 Mercedes Gate Structure
 Stormwater Project

Due Date: UPON RECEIPT
Budget/Remaining: \$24,968.81 / \$22,337.85
PO: 892645

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

	<u>Unit Rate</u>	<u>Qty</u>	<u>Extension</u>
910:91004 - Atterberg Limits Det	\$84.51	1.00	\$84.51
910:91009 - M-D ASTM D698 (Standard Proctor) (each)	\$225.54	1.00	\$225.54
910:91011 - Field Density (Nuclear Method)	\$25.37	3.00	\$76.11
910:91048 - Particle Size Analysis Gradation (Part I)	\$101.59	1.00	\$101.59
940:94048 - Eng. Tech. (Soils / SP.)	\$77.66	8.00	\$621.28
940:94054 - Eng. Lab Mgr.	\$141.20	1.50	\$211.80
940:94055 - Engineer / P.E.	\$197.68	1.25	\$247.10
950:95058 - Vehicle Trip Charge	\$0.66	16.00	\$10.56
950:95060 - Admin/Clerical	\$77.66	2.00	\$155.32
950:95061 - Test Report	\$25.03	4.00	\$100.12
			<hr/> <hr/>
Total for this Invoice:			\$1,833.93

===== 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>
R002	06/06/2025	1.00	910:91004 - Atterberg Limits Det	Each	\$84.51	\$84.51
R002	06/06/2025	1.00	910:91009 - M-D ASTM D698 (Standard Proctor) (each)	Each	\$225.54	\$225.54
R002	06/06/2025	1.00	910:91048 - Particle Size Analysis Gradation (Part I)	Each	\$101.59	\$101.59
R002	06/06/2025	2.00	940:94048 - Eng. Tech. (Soils / SP.)	Hour	\$77.66	\$155.32
R002	06/06/2025	0.50	940:94055 - Engineer / P.E.	Hour	\$197.68	\$98.84
R002	06/06/2025	4.00	950:95058 - Vehicle Trip Charge	Mile	\$0.66	\$2.64
R002	06/06/2025	0.50	950:95060 - Admin/Clerical	Hour	\$77.66	\$38.83
R002	06/06/2025	1.00	950:95061 - Test Report	Each	\$25.03	\$25.03
						<hr/>
			Report Number R002 for a Subtotal of:			\$732.30

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>
R003	06/06/2025	1.00	910:91011 - Field Density (Nuclear Method)	Each	\$25.37	\$25.37
R003	06/06/2025	2.00	940:94048 - Eng. Tech. (Soils / SP.)	Hour	\$77.66	\$155.32
R003	06/06/2025	0.50	940:94054 - Eng. Lab Mgr.	Hour	\$141.20	\$70.60
R003	06/06/2025	0.25	940:94055 - Engineer / P.E.	Hour	\$197.68	\$49.42
R003	06/06/2025	4.00	950:95058 - Vehicle Trip Charge	Mile	\$0.66	\$2.64
R003	06/06/2025	0.50	950:95060 - Admin/Clerical	Hour	\$77.66	\$38.83
R003	06/06/2025	1.00	950:95061 - Test Report	Each	\$25.03	\$25.03
Report Number R003 for a Subtotal of:						\$367.21
R004	06/10/2025	1.00	910:91011 - Field Density (Nuclear Method)	Each	\$25.37	\$25.37
R004	06/10/2025	2.00	940:94048 - Eng. Tech. (Soils / SP.)	Hour	\$77.66	\$155.32
R004	06/10/2025	0.50	940:94054 - Eng. Lab Mgr.	Hour	\$141.20	\$70.60
R004	06/10/2025	0.25	940:94055 - Engineer / P.E.	Hour	\$197.68	\$49.42
R004	06/10/2025	4.00	950:95058 - Vehicle Trip Charge	Mile	\$0.66	\$2.64
R004	06/10/2025	0.50	950:95060 - Admin/Clerical	Hour	\$77.66	\$38.83
R004	06/10/2025	1.00	950:95061 - Test Report	Each	\$25.03	\$25.03
Report Number R004 for a Subtotal of:						\$367.21
R006	06/17/2025	1.00	910:91011 - Field Density (Nuclear Method)	Each	\$25.37	\$25.37
R006	06/17/2025	2.00	940:94048 - Eng. Tech. (Soils / SP.)	Hour	\$77.66	\$155.32
R006	06/17/2025	0.50	940:94054 - Eng. Lab Mgr.	Hour	\$141.20	\$70.60
R006	06/17/2025	0.25	940:94055 - Engineer / P.E.	Hour	\$197.68	\$49.42
R006	06/17/2025	4.00	950:95058 - Vehicle Trip Charge	Mile	\$0.66	\$2.64
R006	06/17/2025	0.50	950:95060 - Admin/Clerical	Hour	\$77.66	\$38.83
R006	06/17/2025	1.00	950:95061 - Test Report	Each	\$25.03	\$25.03
Report Number R006 for a Subtotal of:						\$367.21
Total for this Invoice:						\$1,833.93

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

Budget: \$24,968.81
 Prev Inv: \$797.03
 This Inv: \$1,833.93
 Balance: \$22,337.85

Net 30 Days

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

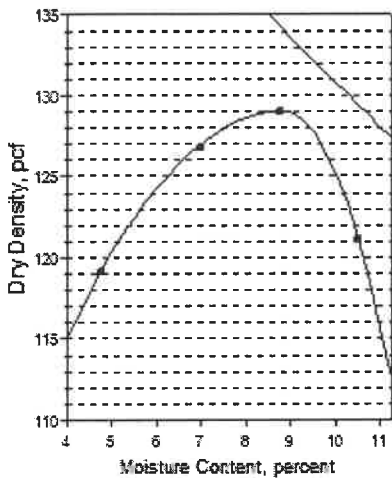
**PROCTOR
TEST REPORT**

Project: ARPA-22-121-044 Mercedes Gate Structure Stormwater Project L&G Project Number: E155251
 Client: Hidalgo County Pct. #1

L&G Report Number: R002
 Sample Date: 06/06/2025
 Date Reported: 06/08/2025
 Sampled By: Eloy Casares

Client PO: 892645

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% Moisture	Dry Density Lbs./Cu.Ft.
4.7	118.9
7.1	126.7
8.8	129.0
10.4	122.0
8.8 Optimum	129.0 Maximum

Sieve	% Retained	Required
2 in	0.0	0
1/2 in	27.6	20-60
No. 4	57.7	40-75
No. 40	76.0	70-90

Description: Flexbase

Liquid Limit: 26
 Plastic Limit: 15
 Plasticity Index: 11

Desc of Rammer: Mechanical
 Preparation Method: Dry

Date Received: 06/06/2025
 Date Tested: 06/07/2025

Test Method (As Applicable): ASTM D-698 Method-A, ASTM D-4318, TEX 110-E

Orig: Hidalgo County Pct. #1 (R&B) (Hidalgo County Pct. #1)
 (Weslaco, TX) Attn: Mr. P.R. Avila
 (1-cc copy)
 1-cc Laboratory

Respectfully Submitted,
 L&G Engineering



[Handwritten Signature]

[Handwritten Signature]

Eloy Casares, Lab Manager

**FIELD DENSITIES
 TEST REPORT**

Project: ARPA-22-121-044 Mercedes Gate Structure Stormwater Project L&G Project Number: E155251
 Client: Hidalgo County Pct. #1

L&G Report Number: R003
 Sample Date: 06/06/2025
 Date Reported: 06/06/2010
 Sampled By: William Lozano

Client PO: 892645

Page 1 of 1

Material Description	Select Fill		
Required % Proctor	95	Moisture Tolerance	-2+3
	Proctor No	Optimum % Moisture	Opt. Density, LB/CF
	E155251-1	25.0	90.5

Test No.	Test Location	Proctor No	Moisture Content	Dry Density	Percent Compaction	6"
1	14th St On CL 1st Lift	E155251-1	16.0%	101.2 pcf	111.8% (Fail)	6"

Remarks: Test results are in general compliance with the project specifications except as noted.
 Test Methods: ASTM D2922, D3017

Orig: Hidalgo County Pct. #1 (R&B) (Hidalgo County Pct. #1)
 (Weslaco, TX) Attn: Mr. P.R. Avila
 (1-cc copy)
 1-cc Laboratory

Respectfully Submitted,
 L&G Engineering



[Handwritten Signature] R.E.

[Handwritten Signature]
 Eloy Casares, Lab Manager

**FIELD DENSITIES
TEST REPORT**

Project: ARPA-22-121-044 Mercedes Gate Structure Stormwater Project L&G Project Number: E155251
 Client: Hidalgo County Pct. #1 L&G Report Number: R004
 Sample Date: 06/10/2025
 Date Reported: 06/10/2025
 Sampled By: Chris Rico

Client PO: 892645

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Material Description	Select Fill		
Required % Proctor	95	Moisture Tolerance	-2+3
	Proctor No	Optimum % Moisture	Opt. Density, LB/CF
	E155251-1	25.0	90.5

Test No.	Test Location	Proctor No	Moisture Content	Dry Density	Percent Compaction	6"
1	14th St On CL 1st & Final Lift	E155251-1	27.3%	86.1 pcf	95.1% (Pass)	6"
	RETEST					

Remarks: Test results are in general compliance with the project specifications except as noted.
 Test Methods: ASTM D2922, D3017

Orig: Hidalgo County Pct. #1 (R&B) (Hidalgo County Pct. #1)
 (Weslaco, TX) Attn: Mr. P.R. Avila
 (1-cc copy)
 1-cc Laboratory

Respectfully Submitted,
 L&G Engineering



[Handwritten Signature] P.E.

Eloy Casares, Lab Manager

**FIELD DENSITIES
TEST REPORT**

Project: ARPA-22-121-044 Mercedes Gate Structure Stormwater Project L&G Project Number: E155251
 Client: Hidalgo County Pct. #1 L&G Report Number: R006

Sample Date: 06/17/2025
 Date Reported: 06/17/2025
 Sampled By: Chris Rico

Client PO: 892645

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Material Description	Flexbase		
Required % Proctor	98	Moisture Tolerance	-2+3
	<u>Proctor No</u>	<u>Optimum % Moisture</u>	<u>Opt. Density, LB/CF</u>
	E155251-2	8.8	129.0

Test No.	Test Location	Proctor No	Moisture Content	Dry Density	Percent Compaction	6"
1	14th St On CL First and Final Lift	E155251-2	6.8%	133.2 pcf	103.3% (Pass)	6"

Remarks: Test results are in general compliance with the project specifications except as noted.
 Test Methods: ASTM D2922, D3017

Orig: Hidalgo County Pct. #1 (R&B) (Hidalgo County Pct. #1)
 (Weslaco, TX) Attn: Mr. P.R. Avila
 (1-cc copy)
 1-cc Laboratory

Respectfully Submitted,
 L&G Engineering



[Signature]
 Eloy Casares, Lab Manager

[Signature] P.E.