

Requisition

Req # 00300676

PO # 746888

Date: 06/16/16

Bill To: x
x

Vendor : 280046
L & G CONSULTING ENGINEERS, INC.
2100 W. EXPRESSWAY 83
MERCEDES TX 78570
FAX (956)565-6746

Ship To: HIDALGO CO. PCT 4
1051 N. DOOLITTLE
EDINBURG TX 78542

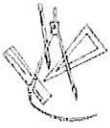
Contact: NICK PEREZ
956-383-3112

Contract No:

Special Instructions:
PCT#785

QUANTITY	UOM	DESCRIPTION	UNIT PRICE	AMOUNT
1.00	LOT	C-15-301-09-15 (EXP-09-14-2016) FOR: "Construction Material Testing" for: "Concrete Walking Trail at San Carlos (CRC) & Sunflower Park" AI-55056 DATE 6-20-16 DO NOT DUPLICATE ORDER CC Work Authorization No. 5 - L&G Engineering for Project: "Construction Material Testing" for: "Concrete Walking Trail at San Carlos (CRC) & Sunflower Park" for Hidalgo County Precinct No. 4 Account No _____ 6-1345-419-40-124-123-0-740	11,351.46	11,351.46
			<u>Encumbrance</u>	
			11,351.46	
			Freight	.00
			Total	11,351.46

Authorized By: _____



January 31, 2017



Commissioner Joseph Palacios
Attn: Maria "Lulu" Lucio
Hidalgo County Precinct No. 4
1102 N. Doolittle Rd.
Edinburg, TX 78539

RE: San Carlos CRC Sunflower Walking Trail & Sunflower Park
Contract No. # C-15-301-09-15 - Work Authorization #5
Project No. # E130603
P.O. # 746888

Dear Ms. Lucio:

Attached for your review and approval is our invoice for the services rendered under Work Authorization #5 on the subject referenced project for the month of January.

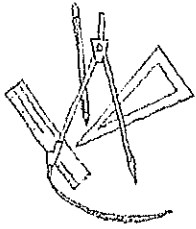
The following is attached:

- L&G's Invoice # 17-1-000021
- Test Reports and progress letters as prepared and forwarded to Pct. No. 4 and all parties involved on the project.

Should you have any questions regarding this submittal or would like clarification on any aspect of the project, please do not hesitate to call me at (956) 565-0760.

Sincerely,

Ricardo A. Gil
General Manager
Laboratory Operations



January 31, 2017

Commissioner Joseph Palacios
Attn: Maria "LuLu" Lucio
Hidalgo County, Pct. #4
1102 N. Doolittle Rd.
Edinburg, Texas 78539

RE: San Carlos CRC Sunflower Park Concrete Walking Trail (WA #5)

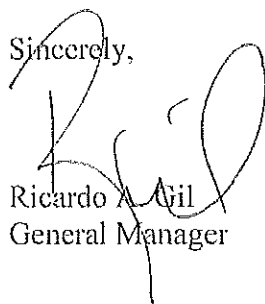
Dear Ms. Lucio:

Included for your use with this letter, are test reports **R006-56 thru R018** for **Construction Material Testing** performed on the above referenced project. **R009 & R010** were omitted due to a report error. Unless otherwise noted, all test results meet or exceed 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 A. Gil
General Manager

Attachments

CC: G & G Contractors

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

 Client Address: Hidalgo County Pct. #4
 Maria Lucio, Program Manager
 1102 N. Doolittle Rd.
 Edinburg, TX. 78539

 Account No.: E130
 Project No: E130603
 Project Desc.: San Carlos CRC Sunflower Park Concrete
 Walking Trail (WA #5)

Due Date: UPON RECEIPT

Budget/Remaining: \$11,351.46 / \$6,422.13

PO: 746888

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

	<u>Unit Rate</u>	<u>Qty</u>	<u>Extension</u>
920:92033 - Air Content (Pressure Method)	\$24.58	5.00	\$122.90
920:92034 - Comp. Strength of Cyl. Specimen	\$16.40	8.00	\$131.20
920:92035 - Cyl. Specimen Prep./Hold/Cure	\$12.36	20.00	\$247.20
940:94047 - Eng. Tech. (Concrete / Lab)	\$52.88	2.00	\$105.76
940:94050 - Eng. Tech. (Concrete)	\$52.88	24.75	\$1,308.78
940:94054 - Engineering Specialist (Lab Mgr.)	\$105.76	2.25	\$237.96
940:94055 - Engineer / P.E.	\$133.76	2.25	\$300.96
950:95058 - Vehicle Trip Charge	\$0.55	252.00	\$138.60
950:95061 - Test Report	\$24.30	9.00	\$218.70
Total for this Invoice:			\$2,812.06

===== 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>
R006-56	11/18/2016	2.00	920:92034 - Comp. Strength of Cyl. Specimen	Each	\$16.40	\$32.80
R006-56	11/18/2016	0.50	940:94047 - Eng. Tech. (Concrete / Lab)	Each	\$52.88	\$26.44
R006-56	11/18/2016	0.25	940:94054 - Engineering Specialist (Lab Mgr.)	Hour	\$105.76	\$26.44
R006-56	11/18/2016	0.25	940:94055 - Engineer / P.E.	Hour	\$133.76	\$33.44
R006-56	11/18/2016	1.00	950:95061 - Test Report	Each	\$24.30	\$24.30
Report Number R006-56 for a Subtotal of:						\$143.42
R007	12/22/2016	1.00	920:92033 - Air Content (Pressure Method)	Each	\$24.58	\$24.58

 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

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===== 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>
R007	12/22/2016	4.00	920:92035 - Cyl. Specimen Prep./Hold/Cure	Each	\$12.36	\$49.44
R007	12/22/2016	5.00	940:94050 - Eng. Tech. (Concrete)	Hour	\$52.88	\$264.40
R007	12/22/2016	0.25	940:94054 - Engineering Specialist (Lab Mgr.)	Hour	\$105.76	\$26.44
R007	12/22/2016	0.25	940:94055 - Engineer / P.E.	Hour	\$133.76	\$33.44
R007	12/22/2016	56.00	950:95058 - Vehicle Trip Charge	Mile	\$0.55	\$30.80
R007	12/22/2016	1.00	950:95061 - Test Report	Each	\$24.30	\$24.30
Report Number R007 for a Subtotal of:						\$453.40
R008	12/22/2016	2.00	920:92034 - Comp. Strength of Cyl. Specimen	Each	\$16.40	\$32.80
R008	12/22/2016	0.50	940:94047 - Eng. Tech. (Concrete / Lab)	Each	\$52.88	\$26.44
R008	12/22/2016	0.25	940:94054 - Engineering Specialist (Lab Mgr.)	Hour	\$105.76	\$26.44
R008	12/22/2016	0.25	940:94055 - Engineer / P.E.	Hour	\$133.76	\$33.44
R008	12/22/2016	1.00	950:95061 - Test Report	Each	\$24.30	\$24.30
Report Number R008 for a Subtotal of:						\$143.42
R012	01/03/2017	1.00	920:92033 - Air Content (Pressure Method)	Each	\$24.58	\$24.58
R012	01/03/2017	4.00	920:92035 - Cyl. Specimen Prep./Hold/Cure	Each	\$12.36	\$49.44
R012	01/03/2017	5.00	940:94050 - Eng. Tech. (Concrete)	Hour	\$52.88	\$264.40
R012	01/03/2017	0.25	940:94054 - Engineering Specialist (Lab Mgr.)	Hour	\$105.76	\$26.44
R012	01/03/2017	0.25	940:94055 - Engineer / P.E.	Hour	\$133.76	\$33.44
R012	01/03/2017	56.00	950:95058 - Vehicle Trip Charge	Mile	\$0.55	\$30.80
R012	01/03/2017	1.00	950:95061 - Test Report	Each	\$24.30	\$24.30
Report Number R012 for a Subtotal of:						\$453.40
R013	01/03/2017	2.00	920:92034 - Comp. Strength of Cyl. Specimen	Each	\$16.40	\$32.80
R013	01/03/2017	0.50	940:94047 - Eng. Tech. (Concrete / Lab)	Each	\$52.88	\$26.44
R013	01/03/2017	0.25	940:94054 - Engineering Specialist (Lab Mgr.)	Hour	\$105.76	\$26.44

REMIT TO: 2100 W. Expressway 83
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Net 30 Days

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===== 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>
R013	01/03/2017	0.25	940:94055 - Engineer / P.E.	Hour	\$133.76	\$33.44
R013	01/03/2017	1.00	950:95061 - Test Report	Each	\$24.30	\$24.30
Report Number R013 for a Subtotal of:						\$143.42
R014	01/05/2017	1.00	920:92033 - Air Content (Pressure Method)	Each	\$24.58	\$24.58
R014	01/05/2017	4.00	920:92035 - Cyl. Specimen Prep./Hold/Cure	Each	\$12.36	\$49.44
R014	01/05/2017	5.00	940:94050 - Eng. Tech. (Concrete)	Hour	\$52.88	\$264.40
R014	01/05/2017	0.25	940:94054 - Engineering Specialist (Lab Mgr.)	Hour	\$105.76	\$26.44
R014	01/05/2017	0.25	940:94055 - Engineer / P.E.	Hour	\$133.76	\$33.44
R014	01/05/2017	56.00	950:95058 - Vehicle Trip Charge	Mile	\$0.55	\$30.80
R014	01/05/2017	1.00	950:95061 - Test Report	Each	\$24.30	\$24.30
Report Number R014 for a Subtotal of:						\$453.40
R015	01/05/2017	2.00	920:92034 - Comp. Strength of Cyl. Specimen	Each	\$16.40	\$32.80
R015	01/05/2017	0.50	940:94047 - Eng. Tech. (Concrete / Lab)	Each	\$52.88	\$26.44
R015	01/05/2017	0.25	940:94054 - Engineering Specialist (Lab Mgr.)	Hour	\$105.76	\$26.44
R015	01/05/2017	0.25	940:94055 - Engineer / P.E.	Hour	\$133.76	\$33.44
R015	01/05/2017	1.00	950:95061 - Test Report	Each	\$24.30	\$24.30
Report Number R015 for a Subtotal of:						\$143.42
R017	01/16/2017	1.00	920:92033 - Air Content (Pressure Method)	Each	\$24.58	\$24.58
R017	01/16/2017	4.00	920:92035 - Cyl. Specimen Prep./Hold/Cure	Each	\$12.36	\$49.44
R017	01/16/2017	5.25	940:94050 - Eng. Tech. (Concrete)	Hour	\$52.88	\$277.62
R017	01/16/2017	0.25	940:94054 - Engineering Specialist (Lab Mgr.)	Hour	\$105.76	\$26.44
R017	01/16/2017	0.25	940:94055 - Engineer / P.E.	Hour	\$133.76	\$33.44
R017	01/16/2017	28.00	950:95058 - Vehicle Trip Charge	Mile	\$0.55	\$15.40

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

Net 30 Days

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 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>
R017	01/16/2017	1.00	950:95061 - Test Report	Each	\$24.30	\$24.30
Report Number R017 for a Subtotal of:						\$451.22
R018	01/17/2017	1.00	920:92033 - Air Content (Pressure Method)	Each	\$24.58	\$24.58
R018	01/17/2017	4.00	920:92035 - Cyl. Specimen Prep./Hold/Cure	Each	\$12.36	\$49.44
R018	01/17/2017	4.50	940:94050 - Eng. Tech. (Concrete)	Hour	\$52.88	\$237.96
R018	01/17/2017	0.25	940:94054 - Engineering Specialist (Lab Mgr.)	Hour	\$105.76	\$26.44
R018	01/17/2017	0.25	940:94055 - Engineer / P.E.	Hour	\$133.76	\$33.44
R018	01/17/2017	56.00	950:95058 - Vehicle Trip Charge	Mile	\$0.55	\$30.80
R018	01/17/2017	1.00	950:95061 - Test Report	Each	\$24.30	\$24.30
Report Number R018 for a Subtotal of:						\$426.96
Total for this Invoice:						\$2,812.06

 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

**CONCRETE COMPRESSION
TEST REPORT**

Project Description: San Carlos CRC Sunflower Park Concrete Walking Trail (WA #5) L&G Project Number: E130603
 Client: Hidalgo County Pct. #4 L&G Report Number: R006-56
 Contractor: G & G Contractors Sample Date: 11/18/2016
 Date Reported: 01/25/2017

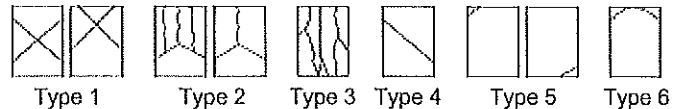
Client PO: 746888

Page 1 of 1

Placement Location: Southwest Side of Walking Trail
 Mix ID: 1421476 Supplier: CEMEX
 Specified Strength: 3,000 P.S.I. @ 28 days
 Specified Slump: N/A Slump: 6.5"
 Specified Air Content: N/A Air Content: 3.3%
 Weather Conditions: Sunny & Windy Air Temp.: 85°F
 Time Batched: 11:48 am Time Sampled: 12:30 pm Concrete Temp.: 89°F
 Plant Ticket No: 43912313 Truck No: 10035527 CY: 10
 Water: 5 gal.

Compressive Strength Data

Set No.	Identification	Test Date	Age (days)	Maximum Load (pounds)	Break Type	Comp. Strength (psi)	Average Strength (psi)	% of Design
1	A	11/25/2016	7	52,455	Type 5	1,860		62.00%
	B	11/25/2016	7	49,210	Type 5	1,740	1,800	58.00%
	C	12/16/2016	28	76,085	Type 3	2,690	2,690	89.67%
	D	01/13/2017	56	90,665	Type 5	3,210	3,210	107.00%



Remarks/Comments:

6 x 12 in. Cylinders

Orig: Hidalgo County Pct. #4 (E130) (Hidalgo County Pct. #4)
 (Edinburg, TX) Attn: Maria Lucio
 (1-cc copy)
 1-cc Laboratory

Respectfully Submitted,
 L&G Engineering

Ricardo A. Gil, Lab Manager

Billy Ortiz

From: Rick Gil
Sent: Friday, November 18, 2016 9:29 AM
To: Billy Ortiz
Subject: Fwd: WA5-L&G Eng-(CMT)Concrete Walking Trail at San Carlos CRC - Sunflower Park-Pct 4 Request for Testing

Sent from my iPhone

Begin forwarded message:

From: Maria Lucio <maria.lucio@co.hidalgo.tx.us>
Date: November 18, 2016 at 9:18:44 AM CST
To: Rick Gil <rgil@lgengineers.com>
Cc: steven cruz <steven.cruz@co.hidalgo.tx.us>, roman rodriguez <roman.rodriguez@co.hidalgo.tx.us>, Manuel Leal <mleal.gandg@gmail.com>, Emigdio Salinas <milo@lefevregrgroup.net>, Hector Moreno <hector@lefevregrgroup.net>
Subject: WA5-L&G Eng-(CMT)Concrete Walking Trail at San Carlos CRC - Sunflower Park-Pct 4 Request for Testing

Good Morning Rick,

As per your on call contract C-15-301-09-15 (Work Authorization #5 for CMT services to **Project: Concrete Walking Trail at (San Carlos CRC) Sunflower Park** within Pct 4, we would like to request the following:

I. Concrete Testing for the walking trails for the Sunflower Park Project.

Please let this email serve as the formal request to begin today at 10:30am we will have a representative out there. Should you have any questions or need anything else please let me know. Thank you!

Respectfully,

Lulu Lucio, CPM
Executive Assistant
Hidalgo County Precinct #4
Ph: 956- 292-7000 Ext. 4026
Fax:956-381-5905
maria.lucio@co.hidalgo.tx.us

REPORT OF SITE VISIT TEST REPORT

Project Description: San Carlos CRC Sunflower Park Concrete Walking Trail (WA #5) L&G Project Number: E130603
Client: Hidalgo County Pct. #4 L&G Report Number: R007
Contractor: G & G Contractors Sample Date: 12/22/2016
Date Reported: 01/25/2017

Client PO: 746888

Page 1 of 1

On December 22, 2016 a representative of L&G Engineering Laboratory was dispatched to Concrete Walking Trail to perform inspection on the placement of ready-mixed concrete on Side Walk.

Specimen Number 2 was obtained and tested at 11:15 AM, and the following were determined:

Concrete Temp: <u>80°f</u>	<u>N/A</u> Specification	Entrapped/Entrained Air Content: <u>2.1%</u>	<u>N/A</u> Specification
Ambient Temp: <u>83°f</u>	<u>N/A</u> Specification	Slump: <u>4 3/4 inches</u>	<u>N/A</u> Specification

From Specimen Number 2, a total of 4 6x12 cylindrical test specimens were cast for Compressive Strength Testing at intervals of 7 and 28 days.

On December 23, 2016 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 Concrete Walking Trail. 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 Laboratory

Respectfully Submitted,
L&G Engineering



Ricardo A. Gil, Lab Manager

Billy Ortiz

From: Rick Gil
Sent: Wednesday, December 21, 2016 2:39 PM
To: Maria Lucio
Cc: Steven Cruz; roman rodriguez; Emigdio Salinas; Hector LeFevre Engineers; Richard LeFevre; Manuel Leal; joseph palacios; Billy Ortiz
Subject: RE: WA5-L&G Eng-(CMT)Concrete Walking Trail at San Carlos CRC - Sunflower Park-Pct 4 Request for Testing

Good afternoon Lulu,

We will schedule a technician as requested.

Thank You...

Rick

From: Maria Lucio [<mailto:maria.lucio@co.hidalgo.tx.us>]
Sent: Wednesday, December 21, 2016 2:34 PM
To: Rick Gil
Cc: Steven Cruz; roman rodriguez; Emigdio Salinas; Hector LeFevre Engineers; Richard LeFevre; Manuel Leal; joseph palacios
Subject: WA5-L&G Eng-(CMT)Concrete Walking Trail at San Carlos CRC - Sunflower Park-Pct 4 Request for Testing
Importance: High

Good Afternoon Rick,

As per your on call contract C-15-301-09-15 (Work Authorization #5 for **CMT services to Project: Concrete Walking Trail at (San Carlos CRC) Sunflower Park** within **Pct 4**, we would like to request the following:

1. Concrete Testing for the walking trails for the Sunflower Park Project.

Please let this email serve as the formal request to **begin on Thursday, December 22nd at 10:30am** we will have a representative out there. Should you have any questions or need anything else please let me know. Thank you!

Respectfully,

Lulu Lucio, CPM
Executive Assistant
Hidalgo County Precinct #4
Ph: 956- 292-7000 Ext. 4026
Fax:956-381-5905
maria.lucio@co.hidalgo.tx.us

From: "Manuel Leal" <mleal.gandg@gmail.com>
To: "Maria Lucio" <maria.lucio@co.hidalgo.tx.us>

Cc: "Steven Cruz" <steven.cruz@co.hidalgo.tx.us>, "Hector LeFevre Engineers" <hector@lefevregroup.net>, "Emigdio Salinas" <milo@lefevregroup.net>, "Rene Garza" <rgarzar26@yahoo.com>, "Irma Rodriguez" <irma.gandgcontractors@gmail.com>
Sent: Wednesday, December 21, 2016 10:00:54 AM
Subject: San Carlos Walktrails , concrete

Mrs. Lucio,

Please place order with the concrete supplier to schedule 30 yards of concrete to be delivered to the San Carlos Walk Trails for Thursday 12/22/16 as earliest as possible. Please call me to let me know what time they will be able to deliver to the jobsite so that I can have the concrete finishers there. Furthermore; please coordinate with the testing lab to have them go test the concrete. If you have any questions or concerns please feel free to contact me.

Thanks,

MANUEL LEAL
G&G Contractors
Construction Manager
O) 956-283-7040
M) 956-457-4880

CONCRETE COMPRESSION TEST REPORT

Project Description: San Carlos CRC Sunflower Park Concrete Walking Trail (WA #5) L&G Project Number: E130603
 Client: Hidalgo County Pct. #4 L&G Report Number: R008
 Contractor: G & G Contractors Sample Date: 12/22/2016
 Date Reported: 12/29/2016

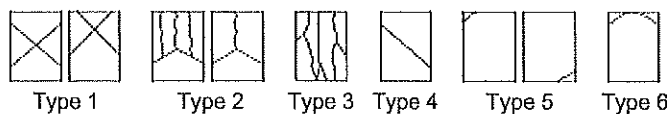
Client PO: 746888

Page 1 of 1

Placement Location: Side Walk Near Pavillion
 Mix ID: 3000 1" Supplier: CEMEX
 Specified Strength: 3,000 P.S.I. @ 28 days
 Specified Slump: N/A Slump: 4.75"
 Specified Air Content: N/A Air Content: 2.1%
 Weather Conditions: Hot & Breezy Air Temp.: 83°f
 Time Batched: 10:20 am Time Sampled: 11:15 am Concrete Temp.: 80°f
 Plant Ticket No: 43951705 Truck No: 156 CY: 10
 Water: 0 gal.

Compressive Strength Data

Set No.	Identification	Test Date	Age (days)	Maximum Load (pounds)	Break Type	Comp. Strength (psi)	Average Strength (psi)	% of Design
2	A	12/29/2016	7	66,840	Type 2	2,360		78.67%
	B	12/29/2016	7	66,310	Type 2	2,350	2,350	78.33%



Remarks/Comments:

6 x 12 in. Cylinders

Respectfully Submitted,
L&G Engineering



Ricardo A. Gil, Lab Manager

Orig: Hidalgo County Pct. #4 (E130) (Hidalgo County Pct. #4)
 (Edinburg, TX) Attn: Maria Lucio
 (1-cc copy)
 1-cc Laboratory

Billy Ortiz

From: Rick Gil
Sent: Wednesday, December 21, 2016 2:39 PM
To: Maria Lucio
Cc: Steven Cruz; roman rodriguez; Emigdio Salinas; Hector LeFevre Engineers; Richard LeFevre; Manuel Leal; joseph palacios; Billy Ortiz
Subject: RE: WA5-L&G Eng-(CMT)Concrete Walking Trail at San Carlos CRC - Sunflower Park-Pct 4 Request for Testing

Good afternoon Lulu,

We will schedule a technician as requested.

Thank You...

Rick

From: Maria Lucio [<mailto:maria.lucio@co.hidalgo.tx.us>]
Sent: Wednesday, December 21, 2016 2:34 PM
To: Rick Gil
Cc: Steven Cruz; roman rodriguez; Emigdio Salinas; Hector LeFevre Engineers; Richard LeFevre; Manuel Leal; joseph palacios
Subject: WA5-L&G Eng-(CMT)Concrete Walking Trail at San Carlos CRC - Sunflower Park-Pct 4 Request for Testing
Importance: High

Good Afternoon Rick,

As per your on call contract C-15-301-09-15 (Work Authorization #5 for **CMT services to Project: Concrete Walking Trail** at (**San Carlos CRC**) **Sunflower Park** within **Pct 4**, we would like to request the following:

1. Concrete Testing for the walking trails for the Sunflower Park Project.

Please let this email serve as the formal request to begin on Thursday, December 22nd at 10:30am we will have a representative out there. Should you have any questions or need anything else please let me know. Thank you!

Respectfully,

Lulu Lucio, CPM
Executive Assistant
Hidalgo County Precinct #4
Ph: 956- 292-7000 Ext. 4026
Fax:956-381-5905
maria.lucio@co.hidalgo.tx.us

From: "Manuel Leal" <mleal.gandg@gmail.com>
To: "Maria Lucio" <maria.lucio@co.hidalgo.tx.us>

Cc: "Steven Cruz" <steven.cruz@co.hidalgo.tx.us>, "Hector LeFevre Engineers" <hector@lefevregroup.net>, "Emigdio Salinas" <milo@lefevregroup.net>, "Rene Garza" <rgarzajr26@yahoo.com>, "Irma Rodriguez" <irma.gandgcontractors@gmail.com>
Sent: Wednesday, December 21, 2016 10:00:54 AM
Subject: San Carlos Walktrails , concrete

Mrs. Lucio,

Please place order with the concrete supplier to schedule 30 yards of concrete to be delivered to the San Carlos Walk Trails for Thursday 12/22/16 as earliest as possible. Please call me to let me know what time they will be able to deliver to the jobsite so that I can have the concrete finishers there. Furthermore; please coordinate with the testing lab to have them go test the concrete. If you have any questions or concerns please feel free to contact me.

Thanks,

MANUEL LEAL
G&G Contractors
Construction Manager
O) 956-283-7040
M) 956-457-4880

**REPORT OF SITE VISIT
TEST REPORT**

Project Description: San Carlos CRC Sunflower Park Concrete Walking Trail (WA #5) L&G Project Number: E130603
Client: Hidalgo County Pct. #4 L&G Report Number: R012
Contractor: G & G Contractors Sample Date: 01/03/2017
Date Reported: 01/03/2017

Client PO: 746888

Page 1 of 1

On January 03, 2016 a representative of L&G Engineering Laboratory was dispatched to Concrete Walking Trail to perform inspection on the placement of ready-mixed concrete on Side Walk.

Specimen Number 4 was obtained and tested at 10:30 AM, and the following were determined:

Concrete Temp: <u>75°f</u>	<u>N/A</u> Specification	Entrapped/Entrained Air Content: <u>2%</u>	<u>N/A</u> Specification
Ambient Temp: <u>80°f</u>	<u>N/A</u> Specification	Slump: <u>4 1/2 inches</u>	<u>N/A</u> Specification

From Specimen Number 4, a total of 4 6 x12 cylindrical test specimens were cast for Compressive Strength Testing at intervals of 7 and 28 days.

On January 4, 2016 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 Concrete Waling Trail. 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 Laboratory

Respectfully Submitted,
L&G Engineering



Ricardo A. Gil, Lab Manager

Billy Ortiz

From: Rick Gil
Sent: Tuesday, January 03, 2017 8:38 AM
To: Billy Ortiz
Subject: FW: San Carlos Walking trails

Importance: High

See the attached request.

Rick

From: Maria Lucio [<mailto:maria.lucio@co.hidalgo.tx.us>]
Sent: Tuesday, January 03, 2017 8:14 AM
To: Rick Gil
Cc: laura iglesias; Irma Rodriguez; Hector LeFevre Engineers; Rene Garza; Emigdio Salinas; Manuel Leal; steven cruz
Subject: Re: San Carlos Walking trails
Importance: High

Good Morning Rick,
Can we please schedule concrete testing for the San Carlos Walking Trails this morning?
Thank you!

Respectfully,

Lulu Lucio, CPM
Executive Assistant
Hidalgo County Precinct #4
Ph: 956-292-7000 Ext. 4026
Fax: 956-381-5905
maria.lucio@co.hidalgo.tx.us

From: "Manuel Leal" <mleal.gandg@gmail.com>
To: "Maria Lucio" <maria.lucio@co.hidalgo.tx.us>
Cc: "laura iglesias" <laura.iglesias@co.hidalgo.tx.us>, "Irma Rodriguez" <irma.gandgcontractors@gmail.com>, "Hector LeFevre Engineers" <hector@lefevregroup.net>, "Rene Garza" <rgarzajr26@yahoo.com>, "Emigdio Salinas" <milo@lefevregroup.net>
Sent: Monday, January 2, 2017 5:41:15 PM
Subject: Re: San Carlos Wall trails

Mrs Lucio,

Please have Testing Lab tomorrow morning any time after 9:30 am. We will be pouring in the San Carlos Wall trails all morning and they mid afternoon.

Thanks,
Manuel Leal

**CONCRETE COMPRESSION
 TEST REPORT**

Project Description: San Carlos CRC Sunflower Park Concrete Walking Trail (WA #5) L&G Project Number: E130603
 Client: Hidalgo County Pct. #4 L&G Report Number: R013
 Contractor: G & G Contractors Sample Date: 01/03/2017
 Date Reported: 01/25/2017

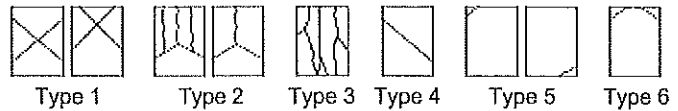
Client PO: 746888

Page 1 of 1

Placement Location: Side Walk on South Side of Pavilion
 Mix ID: 3000 1" CAE Supplier: CEMEX
 Specified Strength: 3,000 P.S.I. @ 28 days
 Specified Slump: N/A Slump: 4.5"
 Specified Air Content: N/A Air Content: 2.0%
 Weather Conditions: Overcast Breezy Air Temp.: 80°F
 Time Batched: 9:50 am Time Sampled: 10:30 am Concrete Temp.: 75°F
 Plant Ticket No: 53641933 Truck No: 487 CY: 10
 Water: 0 gal.

Compressive Strength Data

Set No.	Identification	Test Date	Age (days)	Maximum Load (pounds)	Break Type	Comp. Strength (psi)	Average Strength (psi)	% of Design
4	A	01/11/2017	8	57,705	Type 3	2,040		68.00%
	B	01/11/2017	8	56,045	Type 3	1,980	2,010	66.00%



Remarks/Comments:

6 x 12 in. Cylinders

Orig: Hidalgo County Pct. #4 (E130) (Hidalgo County Pct. #4)
 (Edinburg, TX) Attn: Maria Lucio
 (1-cc copy)
 1-cc Laboratory

Respectfully Submitted,
 L&G Engineering

Ricardo A. Gil, Lab Manager

Billy Ortiz

From: Rick Gil
Sent: Tuesday, January 03, 2017 8:38 AM
To: Billy Ortiz
Subject: FW: San Carlos Walking trails

Importance: High

See the attached request.

Rick

From: Maria Lucio [<mailto:maria.lucio@co.hidalgo.tx.us>]
Sent: Tuesday, January 03, 2017 8:14 AM
To: Rick Gil
Cc: laura iglesias; Irma Rodriguez; Hector LeFevre Engineers; Rene Garza; Emigdio Salinas; Manuel Leal; steven cruz
Subject: Re: San Carlos Walking trails
Importance: High

Good Morning Rick,
Can we please schedule concrete testing for the San Carlos Walking Trails this morning?
Thank you!

Respectfully,

Lulu Lucio, CPM
Executive Assistant
Hidalgo County Precinct #4
Ph: 956- 292-7000 Ext. 4026
Fax:956-381-5905
maria.lucio@co.hidalgo.tx.us

From: "Manuel Leal" <mleal.gandg@gmail.com>
To: "Maria Lucio" <maria.lucio@co.hidalgo.tx.us>
Cc: "laura iglesias" <laura.iglesias@co.hidalgo.tx.us>, "Irma Rodriguez" <irma.gandgcontractors@gmail.com>, "Hector LeFevre Engineers" <hector@lefevregroup.net>, "Rene Garza" <rgarzajr26@yahoo.com>, "Emigdio Salinas" <milo@lefevregroup.net>
Sent: Monday, January 2, 2017 5:41:15 PM
Subject: Re: San Carlos Wall trails

Mrs Lucio,

Please have Testing Lab tomorrow morning any time after 9:30 am. We will be pouring in the San Carlos Wall trails all morning and they mid afternoon.

Thanks,
Manuel Leal

**REPORT OF SITE VISIT
TEST REPORT**

Project Description: San Carlos CRC Sunflower Park Concrete Walking Trail (WA #5) L&G Project Number: E130603
Client: Hidalgo County Pct. #4 L&G Report Number: R014
Contractor: G & G Contractors Sample Date: 01/05/2017
Date Reported: 01/05/2017

Client PO: 746888

Page 1 of 1

On January 05, 2017 a representative of L&G Engineering Laboratory was dispatched to Concrete Walking Trail to perform inspection on the placement of ready-mixed concrete on Side Walk.

Specimen Number 5 was obtained and tested at 9:20 AM, and the following were determined:

Concrete Temp: <u>74°f</u>	<u>N/A</u> Specification	Entrapped/Entrained Air Content: <u>2%</u>	<u>N/A</u> Specification
Ambient Temp: <u>60°f</u>	<u>N/A</u> Specification	Slump: <u>5 3/4 inches</u>	<u>N/A</u> Specification

From Specimen Number 5, a total of 4 6x12 cylindrical test specimens were cast for Compressive Strength Testing at intervals of 7 and 28 days.

On January 06, 2017 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 Concrete Walking Trail. 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 Laboratory

Respectfully Submitted,
L&G Engineering



Ricardo A. Gil, Lab Manager

Rosa Rodriguez

From: Rick Gil
Sent: Wednesday, March 08, 2017 11:42 AM
To: Rosa Rodriguez
Subject: FW: San Carlos Walk trails

Importance: High

From: Maria Lucio [<mailto:maria.lucio@co.hidalgo.tx.us>]
Sent: Wednesday, January 04, 2017 5:00 PM
To: Rick Gil
Cc: Hector LeFevre Engineers; Emigdio Salinas; joseph palacios; Rene Garza; Manuel Leal; steven cruz
Subject: Re: San Carlos Walk trails
Importance: High

Good Afternoon Rick,

Please schedule concrete testing for tomorrow morning at 9:00 am.
Thank you!

Respectfully,

Lulu Lucio, CPM
Executive Assistant
Hidalgo County Precinct #4
Ph: 956- 292-7000 Ext. 4026
Fax:956-381-5905
maria.lucio@co.hidalgo.tx.us

From: "Manuel Leal" <mleal.gandg@gmail.com>
To: "Maria Lucio" <maria.lucio@co.hidalgo.tx.us>
Cc: "Hector LeFevre Engineers" <hector@lefevregroup.net>, "Emigdio Salinas" <milo@lefevregroup.net>, "joseph palacios" <joseph.palacios@co.hidalgo.tx.us>, "Rene Garza" <rgarzajr26@yahoo.com>
Sent: Wednesday, January 4, 2017 11:13:24 AM
Subject: San Carlos Wall trails

Mrs Lucio,

We will begin pouring Concrete tomorrow at 9 am. Please Schedule testing Lab.

Thanks,
Manuel Leal
G&G Contractors

**CONCRETE COMPRESSION
 TEST REPORT**

Project Description: San Carlos CRC Sunflower Park Concrete Walking Trail (WA #5) L&G Project Number: E130603
 Client: Hidalgo County Pct. #4 L&G Report Number: R015
 Contractor: G & G Contractors Sample Date: 01/05/2017
 Date Reported: 01/12/2017

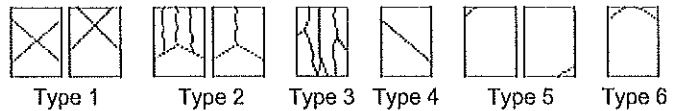
Client PO: 746888

Page 1 of 1

Placement Location: 25' S. of Restroom on NE Corner
 Mix ID: 1421476 Supplier: CEMEX
 Specified Strength: 3,000 P.S.I. @ 28 days
 Specified Slump: N/A Slump: 5.75"
 Specified Air Content: N/A Air Content: 2.0%
 Weather Conditions: Cloudy Air Temp.: 60°f
 Time Batched: 8:35 am Time Sampled: 9:20 am Concrete Temp.: 74°f
 Plant Ticket No: 43960354 Truck No: 10035487 CY: 10
 Water: 0 gal.

Compressive Strength Data

Set No.	Identification	Test Date	Age (days)	Maximum Load (pounds)	Break Type	Comp. Strength (psi)	Average Strength (psi)	% of Design
5	A	01/12/2017	7	53,950	Type 3	1,910		63.67%
	B	01/12/2017	7	53,300	Type 3	1,890	1,900	63.00%



Remarks/Comments:

6 x 12 in. Cylinders

Orig: Hidalgo County Pct. #4 (E130) (Hidalgo County Pct. #4)
 (Edinburg, TX) Attn: Maria Lucio
 (1-cc copy)
 1-cc Laboratory

Respectfully Submitted,
 L&G Engineering

Ricardo A. Gil, Lab Manager

Rosa Rodriguez

From: Rick Gil
Sent: Wednesday, March 08, 2017 11:42 AM
To: Rosa Rodriguez
Subject: FW: San Carlos Walk trails

Importance: High

From: Maria Lucio [<mailto:maria.lucio@co.hidalgo.tx.us>]
Sent: Wednesday, January 04, 2017 5:00 PM
To: Rick Gil
Cc: Hector LeFevre Engineers; Emigdio Salinas; joseph palacios; Rene Garza; Manuel Leal; steven cruz
Subject: Re: San Carlos Walk trails
Importance: High

Good Afternoon Rick,

Please schedule concrete testing for tomorrow morning at 9:00 am.
Thank you!

Respectfully,

Lulu Lucio, CPM
Executive Assistant
Hidalgo County Precinct #4
Ph: 956- 292-7000 Ext. 4026
Fax:956-381-5905
maria.lucio@co.hidalgo.tx.us

From: "Manuel Leal" <mleal.gandg@gmail.com>
To: "Maria Lucio" <maria.lucio@co.hidalgo.tx.us>
Cc: "Hector LeFevre Engineers" <hector@lefevregroup.net>, "Emigdio Salinas" <milo@lefevregroup.net>, "joseph palacios" <joseph.palacios@co.hidalgo.tx.us>, "Rene Garza" <rgarzajr26@yahoo.com>
Sent: Wednesday, January 4, 2017 11:13:24 AM
Subject: San Carlos Wall trails

Mrs Lucio,

We will begin pouring Concrete tomorrow at 9 am. Please Schedule testing Lab.

Thanks,
Manuel Leal
G&G Contractors

**REPORT OF SITE VISIT
TEST REPORT**

Project Description: San Carlos CRC Sunflower Park Concrete Walking Trail (WA #5) L&G Project Number: E130603
Client: Hidalgo County Pct. #4 L&G Report Number: R017
Contractor: G & G Contractors Sample Date: 01/16/2017
Date Reported: 01/16/2017

Client PO: 746888

Page 1 of 1

On January 16, 2017 a representative of L&G Engineering Laboratory was dispatched to Concrete Walking Trail to perform inspection on the placement of ready-mixed concrete on Side Walk.

Specimen Number 6 was obtained and tested at 8:55 AM, and the following were determined:

Concrete Temp: 75°f	N/A	Entrapped/Entrained Air Content: 1.8%	N/A
	Specification		Specification
Ambient Temp: 68°f	N/A	Slump: 4 inches	N/A
	Specification		Specification

From Specimen Number 6, a total of 4 6x12 cylindrical test specimens were cast for Compressive Strength Testing at intervals of 7 and 28 days.

On January 17, 2017 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 Side Walk. 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 Laboratory

Respectfully Submitted,
L&G Engineering



Ricardo A. Gil, Lab Manager

On Jan 17, 2017 8:07 AM, "Maria Lucio" <maria.lucio@co.hidalgo.tx.us> wrote:
Is this for concrete ?
Please be specific when requesting what type of testing.

Respectfully,

Lulu Lucio, CPM
Executive Assistant
Hidalgo County Precinct #4
Ph: 956-292-7000 Ext. 4026
Fax: 956-381-5905
maria.lucio@co.hidalgo.tx.us

From: "Manuel Leal" <mleal.gandg@gmail.com>
To: "Maria Lucio" <maria.lucio@co.hidalgo.tx.us>
Cc: "joseph palacios" <joseph.palacios@co.hidalgo.tx.us>, "Emigdio Salinas" <milo@lefevregroup.net>, "Rene Garza" <rgarzajr26@yahoo.com>
Sent: Monday, January 16, 2017 3:59:48 PM
Subject: San Carlos Walk trails

Mrs Lucio,

Please Schedule testing Lab for tomorrow at 11 am, Wednesday thru Friday at 8am , and possibly Saturday at 8 am as well. I will let you know if there is any change.

Sincerely,
Manuel Leal
G&G Contractors

**REPORT OF SITE VISIT
TEST REPORT**

Project Description: San Carlos CRC Sunflower Park Concrete Walking Trail (WA #5) L&G Project Number: E130603
Client: Hidalgo County Pct. #4 L&G Report Number: R018
Contractor: G & G Contractors Sample Date: 01/17/2017
Date Reported: 01/17/2017

Client PO: 746888

Page 1 of 1

On January 17, 2017 a representative of L&G Engineering Laboratory was dispatched to Concrete Walking Trail to perform inspection on the placement of ready-mixed concrete on Walking Trail.

Specimen Number 7 was obtained and tested at 11:05 AM, and the following were determined:

Concrete Temp: <u>81°f</u>	<u>N/A</u> Specification	Entrapped/Entrained Air Content: <u>2.8%</u>	<u>N/A</u> Specification
Ambient Temp: <u>77°f</u>	<u>N/A</u> Specification	Slump: <u>7 inches</u>	<u>N/A</u> Specification

From Specimen Number 7, a total of 4 6x12 cylindrical test specimens were cast for Compressive Strength Testing at intervals of 7 and 28 days.

On January 18, 2017 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 Walking Trail. 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 Laboratory

Respectfully Submitted,
L&G Engineering



Ricardo A. Gil, Lab Manager

Billy Ortiz

From: Rick Gil
Sent: Tuesday, January 17, 2017 9:33 AM
To: Billy Ortiz
Subject: Fwd: San Carlos Walk trails

Sent from my iPhone

Begin forwarded message:

From: Maria Lucio <maria.lucio@co.hidalgo.tx.us>
Date: January 17, 2017 at 9:14:23 AM CST
To: Rick Gil <rgil@lgengineers.com>
Cc: Rene Garza <rgarzajr26@yahoo.com>, Emigdio Salinas <milo@lefevregrgroup.net>, Manuel Leal <mleal.gandg@gmail.com>
Subject: Re: San Carlos Walk trails

Good Morning Rick,

Can you please schedule concrete testing for the walking trails today at 11:00 am and the remaining schedule is on the thread below.
Thank you!

Respectfully,

Lulu Lucio, CPM
Executive Assistant
Hidalgo County Precinct #4
Ph: 956- 292-7000 Ext. 4026
Fax:956-381-5905
maria.lucio@co.hidalgo.tx.us

From: "Manuel Leal" <mleal.gandg@gmail.com>
To: "Maria Lucio" <maria.lucio@co.hidalgo.tx.us>
Cc: "Rene Garza" <rgarzajr26@yahoo.com>, "joseph palacios" <joseph.palacios@co.hidalgo.tx.us>, "Emigdio Salinas" <milo@lefevregrgroup.net>
Sent: Tuesday, January 17, 2017 8:24:02 AM
Subject: Re: San Carlos Walk trails

Mrs. Lucio,

Yes it is to test the concrete for each of the days requested.

Sincerely,
Manuel Leal
G&G Contractors

EXHIBIT "C" CONTRACT RATES

L & G Engineering Transportation Consulting Engineers			
Audited Overhead Rate FY 2014			
Labor/Staff Classification	Hourly Base Rate	Contract Rate FY 15	Contract Rate *FY 16
Principal	\$ -	\$ -	\$ -
Senior Project Manager	\$ 70.00	\$ 211.40	\$ 217.74
Engineer (V) - Senior Engineer	\$ 58.00	\$ 175.16	\$ 180.41
Senior Environmental Planner/Specialist	\$ 49.00	\$ 147.98	\$ 152.42
Engineer (III) - Project Engineer	\$ 43.00	\$ 129.88	\$ 133.76
Engineering Lab Manager	\$ 34.00	\$ 102.68	\$ 105.76
Senior Engineer Tech / Geotechnical Engineer	\$ 32.00	\$ 96.64	\$ 99.54
Environmental Planner/Specialist (II)	\$ 30.00	\$ 90.60	\$ 93.32
Project Inspector (V)	\$ 28.00	\$ 84.56	\$ 87.10
Record Keeper	\$ 27.00	\$ 81.54	\$ 83.99
Environmental Planner/Specialist (I)	\$ 26.00	\$ 78.52	\$ 80.88
Project Inspector (I)	\$ 22.00	\$ 66.44	\$ 68.43
CADD Operator / GIS Analyst	\$ 22.00	\$ 66.44	\$ 68.43
Admin/Clerical	\$ 20.00	\$ 60.40	\$ 62.21
Soil & Aggregate Technician	\$ 17.00	\$ 51.34	\$ 52.88
Concrete Technician	\$ 17.00	\$ 51.34	\$ 52.88
Asphalt Technician	\$ 17.00	\$ 51.34	\$ 52.88
Negotiated Overhead Rate: 169.26%	Contract Rates include labor, overhead, and profit.		
Negotiated Profit Rate: 12.00%			
Multiplier: 3.02			
Other Direct Expenses:	Cost:		
Lodging	\$85/night		
Meals	\$36/day		
Mileage	\$0.56/mile		
Car Rental	\$75.00/day		
8 1/2" X 11" copies	\$1.00/sheet		
11" X 17" copies	\$1.50/sheet		
11" X 17" Mylar	\$2.00/sheet		
Overnight Mail - Letter Size	\$15.00/Each		
Overnight Mail - Oversized Box	\$38.00/Each		

CONTRACT RATES

GEOTECHNICAL & CONSTRUCTION MATERIALS TESTING SERVICES

Direct Expenses

Geotechnical Field Services

	<u>2015</u>	<u>2016</u>
Mobilization (Drill Rig and Crew)	\$441.66/Day	\$454.91/Day
Stand-By Time	\$194.18/Hr.	\$200.01/Hr
Texas Cone Penetration Test (Tex-132)	\$5.55/Ea.	\$5.72/Ea.
Soil Boring / Solid Stem	\$31.08/Lf	\$32.01/Lf
Soil Boring / Hollow Stem	\$31.08/Lf	\$32.01/Lf
Soil Boring / Mud Rotary	\$31.08/Lf	\$32.01/Lf
Mileage (Logger-Soil Tech)	\$.55/Mi.	\$.55/Mi.
Support Truck	\$1.65/Mi.	\$1.70/Mi.
Piezometer / Monitoring Well	By Quote	By Quote

Soil Testing

	<u>2015</u>	<u>2016</u>
Moisture Content Determination - ASTM D2216/Tex-103-E	\$10.55/Ea.	\$10.87/Ea.
Determination of Liquid Limit of Soils - Tex-104-E	\$53.15/Ea.	\$54.74/Ea.
Determination of Plastic Limit of Soils - Tex-105-E	\$53.37/Ea.	\$54.97/Ea.
Atterberg Limits of Soils - ASTM D 4318/Tex-106-E	\$79.66/Ea.	\$82.05/Ea.
Bar Linear Shrinkage of Soils - Tex-107-E	\$66.47/Ea.	\$68.46/Ea.
Particle Size Analysis of Soils (Gradation) - ASTM D 422/Tex-110-E	\$95.76/Ea.	\$98.63/Ea.
Material Finer #200 Sieve - ASTM D 1140/Tex-111-E	\$66.47/Ea.	\$68.46/Ea.
Lime Series Testing (PI Relation) - Tex-112-E	\$477.96/Ea.	\$492.30/Ea.
Lime Series Testing (pH Relation) - Tex-121-E (Part III)	\$518.40/Ea.	\$533.95/Ea.
Moisture-Density Relationship (TxDOT) - Tex-113-E /Tex-114-E	\$212.59/Ea.	\$218.97/Ea.
Standard Proctor - ASTM D 698	\$205.82/Ea.	\$211.99/Ea.
Modified Proctor - ASTM D 1557	\$212.50/Ea.	\$218.88/Ea.
Field Density Test (Nuclear) - ASTM D 6938/Tex-115-E	\$23.91/Ea.	\$24.63/Ea.
Determination of Soil pH - Tex-128-E	\$86.40/Ea.	\$88.99/Ea.
Soil-Lime Testing - Tex-121-E (Part I)	\$159.44/Ea.	\$164.22/Ea.
Resistivity of Soils - Tex-129-E	\$96.65/Ea.	\$99.55/Ea.
Sulfate Content of Soils - Tex-145-E	\$86.40/Ea.	\$88.99/Ea.
Texas Wet Ball Mill (Material Quality) - Tex-116-E	\$232.55/Ea.	\$239.53/Ea.
Triaxial Compression (Dist. Soil & Base) - Tex-117-E	\$350.00/Ea.	\$360.50/Ea.
Unconfined Compression-Soil - ASTM D 2166	\$49.95/Ea.	\$51.45/Ea.
Uniaxial Compression-Rock - ASTM D 7012	\$53.27/Ea.	\$54.87/Ea.
Consolidation Test - ASTM D 2435	\$521.51/Ea.	\$537.16/Ea.

Coarse & Fine Aggregate Quality Testing

	<u>2015</u>	<u>2016</u>
Sieve Analysis (Dry)(4 Sieves) - ASTM C 136/Tex-200-F	\$59.73/Ea.	\$61.52/Ea.
Sieve Analysis (Washed)(4 Sieve) - ASTM C 136/Tex-200-F	\$72.27/Ea.	\$74.44/Ea.
Sieve Analysis (Conc. Aggregate)(5 Sieve) - Tex-401-A	\$85.00/Ea.	\$87.55/Ea.
Sieve Analysis (Additional Sieves) - All Methods	\$13.31/Ea.	\$13.71/Ea.
Deleterious Material (Coarse Aggr.) - Tex-217-F (Part I)	\$46.50/Ea.	\$47.90/Ea.
Deleterious Material (Concrete Aggr.) - Tex-413-A	\$46.50/Ea.	\$47.90/Ea.
Decantation (Coarse Aggr.) - Tex-217-F (Part II)	\$46.50/Ea.	\$47.90/Ea.
Decantation Test (Fine Aggr. - Conc.) - ASTM C 117/Tex-406-A	\$46.50/Ea.	\$47.90/Ea.
Specific Gravity/Absorp. (Conc. Aggr) - ASTM C127/Tex-403-A	\$72.99/Ea.	\$75.18/Ea.
L.A. Abrasion - ASTM C13/ Tex-410-A	\$564.55/Ea.	\$581.49/Ea.
Soundness (5 Cycle Magnesium Sulfate) - ASTM C 88/Tex-411-A	\$564.55/Ea.	\$581.49/Ea.
SSD Unit Weight of Aggregates - ASTM C29/Tex-404-A	\$66.47/Ea.	\$68.46/Ea.
Percent Voids/Solids in Conc. Aggr. - Tex-405-A	\$13.25/Ea.	\$13.65/Ea.

*(In Conjunction w/ SSD Unit Wt of Aggregates)

CONTRACT RATES

Sand Equivalent - ASTM D 2419/Tex-203-F	\$72.99/Ea	\$75.18/Ea
Specific Gravity / Absorption (Fine Aggr.) - ASTM C 128/Tex -403-A	\$79.67/Ea.	\$82.06/Ea.
Organic Impurities in Fine Aggregate -ASTM C 87/Tex -408-A	\$46.50/Ea.	\$47.90/Ea.
Fineness Modulus of Fine Aggregate - Tex-402-A	\$15.95/Ea.	\$16.43/Ea.
Flat & Elongated Particles (Coarse Aggr.) - Tex-280-F	\$60.00/Ea.	\$61.80/Ea.
Coarse Aggr. Crushed Face (Coarse Aggr.) - Tex-460-A (Part I)	\$80.00/Ea.	\$82.40/Ea.
Acid Insoluble of Fine Aggregate - Tex-612-J	\$86.40/Ea.	\$88.99/Ea.

Pavement Testing (Mix & Roadway) / Asphalt Quality

	<u>2015</u>	<u>2016</u>
Sieve Analysis (Paving Mix Gradation) - Tex-236-F/Tex-200-F	\$90.00/Ea.	\$92.70/Ea.
Asphalt Content - Tex-236-F	\$90.00/Ea.	\$92.70/Ea.
Voids in Mineral Aggr. (VMA) - Tex-207-F	\$110.00/Ea.	\$113.30/Ea.
Boil Test (Effect of Water on Paving Mix) - Tex-530-C/Tex-531-C	\$86.40/Ea.	\$88.99/Ea.
Indirect Tensile Strength Test - Tex-226-F	\$600.00/Ea.	\$618.00/Ea.
Moisture Content (Paving Mix) - Tex-212-F (Part II)	\$15.00/Ea.	\$15.45/Ea
Lab Molded Density - Tex-207-F	\$80.00/Ea.	\$82.40/Ea.
Hamburg Wheel Tracker - Tex-242-F	\$900.00/Ea.	\$927.00/Ea.
Field Coring – ACP Thickness - ASTM D 3549	\$66.47/Ea.	\$68.46/Ea.
Pavement Thickness Det. (Full Depth) - ASTM D 3549	\$88.45/Ea.	\$91.10/Ea.
Density of Cores (4 or 6 inch) (Set of 2) - Tex-207-F	\$73.04/Ea.	\$75.23/Ea.
In-Place Air Voids - Tex-207-F	\$25.00/Ea.	\$25.75/Ea.
Maximum Theoretical SPG (Rice Gravity) - Tex-227-F	\$90.00/Ea.	\$92.70/Ea.
Extraction/Sieve Analysis/Asphalt Content - Tex-210-F/Tex-200-F	\$232.48/Ea.	\$239.45/Ea.
Asphalt Rolling Pattern (Nuclear Method) - Tex-207-F (Part IV)	\$39.86/Ea.	\$41.06/Ea.
Segregation Profile - Tex-207-F (Part V)	\$300.00/Ea.	\$309.00/Ea.
Joint Density - Tex-207-F (Part VII)	\$300.00/Ea.	\$309.00/Ea.
Tack Coat Adhesion - Tex-243-F	\$100.00/Ea.	\$103.00/Ea.
Thermal Profile - Tex-244-F	\$175.00/Ea.	\$180.25/Ea.
Ride Quality - Tex-1001-S	By Quote	By Quote

Pavement Investigation (All Inclusive – QA Verification Field Sample) :-

Includes Core Exist. Asphalt for Thick. Perform Caliche Base Thick., Sieve Analysis & P.I., Stabilized Subgrade Thickness & P.I	\$498.08/Ea.	\$513.02/Ea.
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Concrete/Masonry Field & Laboratory Testing

	<u>2015</u>	<u>2016</u>
Temperature Test (Fresh Mix Conc.) - Tex-422-A	No Charge	No Charge
Slump Test - ASTM C 143/Tex-415-A	No Charge	No Charge
Air Content (Pressure Method) - ASTM C 138/Tex-416-A	\$23.86/Ea.	\$24.58/Ea.
Air Content (Volumetric) - ASTM C 173	\$26.56/Ea.	\$27.36/Ea.
Casting of Concrete Cylinders - ASTM C 31/Tex-447-A	No Charge	No Charge
Cylindrical Specimen Prep./Hold/Cure - ASTM C 192/ Tex-447-A	\$12.00/Ea.	\$12.36/Ea.
Compressive Strength of Cyl. Specimen - ASTM C 39/Tex-418-A	\$15.92/Ea.	\$16.40/Ea.
Casting of Grout Prisms - ASTM C 1019	No Charge	No Charge
Grout Prism Prep./Cure/Comp. Strength - ASTM C 39	\$33.23/Ea.	\$34.23/Ea.
Casting of Mortar Cubes - ASTM C 780	No Charge	No Charge
Mortar Cube Prep./Cure/Comp. Strength - ASTM C 109	\$32.48/Ea.	\$33.45/Ea.
Masonry Unit Prep./Comp. Str. (Set of 3) - ASTM C 140	\$232.41/Ea.	\$239.38/Ea.
Masonry Unit SPG/Abs./Unit Wt. (Set of 3) - ASTM C 140	\$232.41/Ea.	\$239.38/Ea.
*(In Conjunction w/ Field Inspection)		

CONTRACT RATES

Miscellaneous Testing

	<u>2015</u>	<u>2016</u>
Drilled Shaft Slurry Density - Tex-130-E (Part II)	\$25.00/Ea.	\$25.75/Ea.
Drilled Shaft Slurry Sand Content - Tex-130-E (Part III)	\$20.00/Ea.	\$20.60/Ea.
Drilled Shaft Slurry Viscosity - Tex-130-E (Part IV)	\$25.00/Ea.	\$25.76/Ea.

Engineering Review, Evaluation, Management & Administration

Test Report	\$23.59/Ea.	\$24.30/Ea.
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The specific hourly rate within each classification listed under Labor/Staff Classification depends on the experience, training, and qualifications of the personnel. A two (2) hour minimum billing at the applicable rate will be assessed per visit to project site.

Services provided on Saturday, Sunday and all work in excess of "normal" work hours will be invoiced at an overtime rate 1.5 times the applicable rate for the work performed. The cost of services is based upon the assumption that services will be provided during "normal" working hours. Normal working hours are between 7:00 a.m. and 6:00 p.m., Monday through Friday.

Expenses:

Mileage.....	.55/Mi.	.55/Mi.
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All other project specific, third-party costs will be charged at cost plus 10 percent.

Attachment "D"
L&G Engineering
Concrete Walking Trail at San Carlos CRC & Sunflower Park
Prepared for Hidalgo County Precinct No. 4

<i>In-Situ Soils/Select Fill Testing-Laboratory</i>					
Standard Proctor	3	Ea.	\$211.99	\$635.97	<i>In Situ Subgrade Moisture-Density Testing on the following: Walking Trail Subgrade Walking Trail Select Fill</i>
Atterberg Limits of Soils	3	Ea.	\$82.05	\$246.15	
Material Finer #200	3	Ea.	\$68.46	\$205.38	
Test Report	3	Ea.	\$24.30	\$72.90	
Technician (Soils)	9	Hr.	\$52.88	\$475.92	
Mileage (Trip Charge)	120	Mi.	\$0.55	\$66.00	
Subtotal:				\$1,702.32	
<i>In-Situ Soils / Select Fill Testing-Field</i>					
Field Density Test	30	Ea.	\$24.63	\$738.90	<i>Testing on the Following: 10 trips to perform testing Walking Trail Subgrade Walking Trail Select Fill</i>
Test Report	10	Ea.	\$24.30	\$243.00	
Technician (Soils)	20	Hr.	\$52.88	\$1,057.60	
Mileage (Trip Charge)	300	Mi.	\$0.55	\$165.00	
Subtotal:				\$2,204.50	
<i>Concrete Placement - Foundations and Drilled Piers</i>					
Air Content(Pressure Method)	10	Ea.	\$24.58	\$245.80	<i>10 site visits for placement testing</i>
Test Report	10	Ea.	\$24.30	\$243.00	
Technician (Concrete)	20	Hr.	\$52.88	\$1,057.60	
Mileage (Trip Charge)	300	Mi.	\$0.55	\$165.00	
Subtotal:				\$1,711.40	
Cyl. Spec. Prep, Hold, Cure	40	Ea.	\$12.36	\$494.40	<i>Quantities based on sample pickup and deliver to laboratory for Compression Testing</i>
Comp. Str. Of Cyl. Specimen	40	Ea.	\$16.40	\$656.00	
Test Reports (7 and 28 day)	20	Ea.	\$24.30	\$486.00	
Technician (Concrete)	20	Hr.	\$52.88	\$1,057.60	
Mileage (Trip Charge)	300	Mi.	\$0.55	\$165.00	
Subtotal:				\$2,859.00	

Estimated Field and Laboratory Test Fees			\$8,477.22	
Laboratory Manager (Report Review)(Hr.)	12	\$105.76	\$1,269.12	
Project Engineer (Report Review)(Hr.)	12	\$133.76	\$1,605.12	
Estimated Materials Testing Total			\$11,351.46	