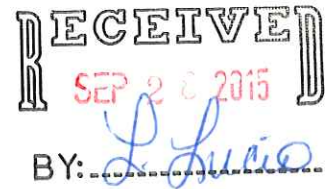


September 24, 2015



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

RE: Hoehn Subdv.

Dear Ms. Lucio:

Included for your use with this letter are test reports **R003 & R004** for **Construction Material Testing** performed on the above referenced project. As noted on **R003**, location failed to meet requirements. This location was re-tested and noted on test report **R004** and has met or exceeded requirements.

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

FIELD DENSITIES TEST REPORT

Project Description: Hoehn Subdv.
 Client: Hidalgo County Pct. #4
 Contractor: Vanguard Engineering

L&G Project Number: E1301501
 L&G Report Number: R003
 Sample Date: 08/28/2015
 Date Reported: 08/28/2015

Client PO: 728310

Page 1 of 1

Material Description	Trench Backfill		
Required % Proctor	95	Moisture Tolerance	-2+3
	Proctor No	Optimum % Moisture	Opt. Density, LB/CF
	TB MD2	12.3	114.8

Test No.	Test Location	Proctor No	Moisture Content	Dry Density	Percent Compaction	Depth (inch)
1	Water Line Trench Sta. 2+00 Mile 17 1/2	TB MD2	10.7%	106.5 pcf	92.8% (Fail)	12"

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

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

Celia Almaguer

From: Maria Lucio [maria.lucio@co.hidalgo.tx.us]
Sent: Friday, August 28, 2015 12:08 PM
To: Rick Gil
Cc: Celia Almaguer; 'Jesse Alvarez'; 'jesse ozuna'; 'Raul Sesin'
Subject: Fwd: Re: County of Hidalgo Pct. No. 4 Water & Sewer Improvements Hoehn Subd. Texas Dept of Agriculture Contract No.713045

R003

Good afternoon Rick,
We would like to request compaction density testing today August 28, 2015 at 1:30pm.

Please be advised that any request for this project should come from precinct 4 office only.

Should you have any questions please let me know.

Respectfully,

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

----- Forwarded Message -----

From: Jesse Alvarez <jose.alvarez@co.hidalgo.tx.us>
To: Maria Lucio <maria.lucio@co.hidalgo.tx.us>
Sent: Fri, 28 Aug 2015 10:13:10 -0500 (CDT)
Subject: Re: County of Hidalgo Pct. No. 4 Water & Sewer Improvements Hoehn Subd. Texas Dept of Agriculture Contract No.713045

Again? Sorry..... It will be done today (08-28-15)

Thank You

Jesse Alvarez
Construction Inspector
County of Hidalgo Engineering Projects Office
902 Doolittle Rd.
Edinburg , Texas 78542
Office : 956-702-7000 ext 2029
Mobile:956-533-3992

Sent from my iPhone

> On Aug 28, 2015, at 10:07 AM, Maria Lucio <maria.lucio@co.hidalgo.tx.us> wrote:
>
> Good Morning Jesse,
>
> Are you requesting testing or has this already been done? The date shows 7/31/15?
>
> Respectfully,

FIELD DENSITIES TEST REPORT

Project Description: Hoehn Subdv.
 Client: Hidalgo County Pct. #4
 Contractor: Vanguard Engineering

L&G Project Number: E1301501
 L&G Report Number: R004
 Sample Date: 09/02/2015
 Date Reported: 09/02/2015

Client PO: 728310

Page 1 of 1

Material Description	Trench Backfill		
Required % Proctor	95	Moisture Tolerance	-2+3
	Proctor No	Optimum % Moisture	Opt. Density, LB/CF
	TB MD2	12.3	114.8

Test No.	Test Location	Proctor No	Moisture Content	Dry Density	Percent Compaction	Depth (inch)
1	8" Force Main, Sta. 2+00 / Final Lift (Re-test)	TB MD2	10.3%	113.6 pcf	99.0% (Pass)	6"
2	8" Force Main, Sta. 6+00 / Final Lift	TB MD2	11.1%	115.5 pcf	100.6% (Pass)	6"
3	8" Force Main, Sta. 11+00 / Final Lift	TB MD2	12.5%	114.5 pcf	99.7% (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. #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

Celia Almaguer

2004

From: Maria Lucio [maria.lucio@co.hidalgo.tx.us]
Sent: Tuesday, September 01, 2015 11:16 AM
To: Rick Gil; Celia Almaguer; Billy Ortiz
Cc: Jesus Ozuna; Raul Sesin; Jesse Alvarez; Areanna E. Yzaguirre; Roman rodriguez (Pct 4)
Subject: Hidalgo County Precinct 4 CMT- Hoehn Subdivision

Importance: High

Good Morning,

As per your on call contract C-14-330-09-09 (Work Authorization #3 Hoehn Subdivision Project), we would like to request the following:

1. Field Density/Back- Fill Compaction testing for the 8" Force Main at Hoehn Subdivision to include standard proctor, atterberg limits of soils, material finer #200, field density test and all test reports.

Note : 1 Test will be a RETEST of Failed Results from 08/28/2015 and this cost will be the Contractor's Responsibility

Billy Ortiz from your office has been contacted by Jesse Alvarez of the County to coordinate the date and time only, please let this email serve as the formal request to begin testing Wednesday, September 2nd at 9:00am. A representative from the County and Contractor will be there. Should you have any questions or need anything else please let me know. Thank you, have a great day!

Respectfully,

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

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: E1301501
 Project Desc.: Hoehn Subdv.

Due Date: UPON RECEIPT
 Budget/Remaining: \$42,900.53 / \$41,137.70
 PO: 728310



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

	<u>Unit Rate</u>	<u>Qty</u>	<u>Extension</u>
910:91011 - Field Density (Nuclear Method)	\$23.56	3.00	\$70.68
940:94048 - Eng. Tech. (Soils / SP.)	\$47.14	2.00	\$94.28
940:94054 - Engineering Specialist	\$117.75	0.25	\$29.44
940:94055 - Engineer / P.E.	\$157.08	0.25	\$39.27
950:95058 - Vehicle Trip Charge	\$0.52	66.00	\$34.32
950:95061 - Test Report	\$23.24	1.00	\$23.24
Total for this Invoice:			\$291.23

===== 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>
R004	09/02/2015	3.00	910:91011 - Field Density (Nuclear Method)	Each	\$23.56	\$70.68
R004	09/02/2015	2.00	940:94048 - Eng. Tech. (Soils / SP.)	Hour	\$47.14	\$94.28
R004	09/02/2015	0.25	940:94054 - Engineering Specialist	Hour	\$117.75	\$29.44
R004	09/02/2015	0.25	940:94055 - Engineer / P.E.	Hour	\$157.08	\$39.27
R004	09/02/2015	66.00	950:95058 - Vehicle Trip Charge	Mile	\$0.52	\$34.32
R004	09/02/2015	1.00	950:95061 - Test Report	Each	\$23.24	\$23.24
Report Number R004 for a Subtotal of:						\$291.23
Total for this Invoice:						\$291.23

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

Net 30 Days



Purchase Order COUNTY OF HIDALGO

PO# 728310

DATE: 07/08/15

PAGE NO: 1 of 1

PO TYPE:

VENDOR: 280046

REQ: 00279604

PHONE: (956)565-9813

FAX: (956)565-6746

EMAIL:

SHIP TO: HIDALGO CO. PCT 4

1051 N. DOOLITTLE
EDINBURG TX 78542

L & G CONSULTING ENGINEERS, INC.
2100 W. EXPRESSWAY 83
MERCEDES TX 78570

CONTACT:

SITE: COMMISSIONER, PRECINCT 4

CONTRACT NO:

SPECIAL INSTRUCTIONS: ECL # 72B

VENDOR NOTES:

1. Do not add to, or alter this Purchase Order. This Order is not renewable.
2. TAX EXEMPTION: This Purchase Order may be accepted in lieu of Exemption Certificate.
3. This Order is also placed F.O.B. Destination. Vendor must repay all shipping costs.
4. Invoice each Purchase Order singly. Original invoices are required customer copy may be accepted. Our number must appear on all invoices, bills of lading, and packages.
5. Payment will be made only for bona fide and full completed orders, unless otherwise attached.

QTY	UOM	DESCRIPTION	UNIT PRICE	AMOUNT
		DO NOT DUPLICATE ORDER		
		C-14-330-09-09 EXP 9-08-15 Approved CC 06/23/15 AI-50218, Consent AI- 50241, Regular		
1.00	LOT	CC WA # 3- Construction Materials Testing Services for the "Hoehn Subdv." Project in Hidalgo County Precinct No. Four (4)	42,900.53	42,900.53
		TOTAL:		42,900.53
		***** For Hidalgo County use only 5-1200-431-00-124-159-0-841 42,900.53		

Authorized by: _____

Martha Salazar

L & G Engineering

Consulting Engineers

Attachment "D"
L&G Engineering

Hoehn Subdivision Sanitary Sewer Improvements
Prepared for Hidalgo County Precinct No. 4

<i>In-Situ Soils Testing Laboratory Sanitary Sewer & Force Main</i>					
Standard Proctor	5	Ea.	\$202.78	\$1,013.90	<i>In Situ Subgrade Moisture-Density Testing on the following: Trenches for 8" and 12" Sanitary Sewer 8" Force Main</i>
Atterberg Limits of Soils	5	Ea.	\$78.48	\$392.40	
Material Finer #200	5	Ea.	\$65.49	\$327.45	
Test Report	5	Ea.	\$23.24	\$116.20	
Technician (Soils)	15	Hr.	\$47.14	\$707.10	
Mileage (Trip Charge)	400	Mi.	\$0.52	\$208.00	
				Subtotal:	\$2,765.05
<i>In-Situ Soils Testing Field Sanitary Sewer and Force Main</i>					
Field Density Test	450	Ea.	\$23.56	\$10,602.00	<i>Trench Backfill Field Density Testing on the Following: 8" and 12" Sanitary Sewer and 8" Force Main one test per 250 L.F. per each 12" Layer Total 16,000 L.F. x avg. 7' cover</i>
Test Report	60	Ea.	\$23.24	\$1,394.40	
Technician (Soils)	150	Hr.	\$47.14	\$7,071.00	
Mileage (Trip Charge)	4800	Mi.	\$0.52	\$2,496.00	
				Subtotal:	
<i>Treated Backfill Sand Testing Laboratory</i>					
Standard Proctor	.2	Ea.	\$202.78	\$405.56	<i>Quantity Based On 2 visits to obtain samples for laboratory testing</i>
Atterberg Limits of Soils	2	Ea.	\$78.48	\$156.96	
Test Report	2	Ea.	\$23.24	\$46.48	
Technician (Soils)	3	Hr.	\$47.14	\$141.42	
Mileage (Trip Charge)	160	Mi.	\$0.52	\$83.20	
				Subtotal:	\$833.62
<i>Treated Backfill Sand Soils Testing Field</i>					
Field Density Test	40	Ea.	\$23.56	\$942.40	<i>Quantity Based On 10 site visits to perform compaction testing</i>
Test Report	10	Ea.	\$23.24	\$232.40	
Technician (Soils)	25	Hr.	\$47.14	\$1,178.50	
Mileage (Trip Charge)	800	Mi.	\$0.52	\$416.00	
				Subtotal:	
<i>Flexible Base (Calliche) Pavement Repair Areas - Testing Laboratory</i>					
Standard Proctor	1	Ea.	\$202.78	\$202.78	<i>Quantity based on 1 site visit to obtain sample for laboratory testing</i>
Atterberg Limits of Soils	1	Ea.	\$78.48	\$78.48	
Sieve Analysis (Dry)(4 Sieve)	1	Ea.	\$58.85	\$58.85	
Texas Wet Ball Mill	1	Ea.	\$229.11	\$229.11	
Technician (Soils)	4	Hr.	\$47.14	\$188.56	
Test Report	2	Ea.	\$23.24	\$46.48	
Mileage (Trip Charge)	84	Mi.	\$0.52	\$43.68	
				Subtotal:	\$847.94
<i>Flexible Base (Calliche) Pavement Repair Areas Field Testing and Monitoring</i>					
Field Density Test	40	Ea.	\$23.56	\$942.40	<i>Quantities based on ten (10) visits to perform in-place testing</i>
Test Report	10	Ea.	\$23.24	\$232.40	
Technician (Soils)	25	Hr.	\$47.14	\$1,178.50	
Mileage (Trip Charge)	800	Mi.	\$0.52	\$416.00	
				Subtotal:	
<i>Hot Mix Asphalt Paving Pavement Repair Areas</i>					
Ext. Sieve Analysis/Asph Content	2	Ea.	\$229.04	\$458.08	<i>Quantities based on site visits to perform testing</i>
Density of Asphaltic Cores	3	Ea.	\$71.96	\$215.88	
Asphalt Rolling Patterns	10	Ea.	\$39.27	\$392.70	
Coring/ACP Thickness	16	Ea.	\$65.49	\$1,047.84	
Technician (Asphalt)	16	Hr.	\$60.18	\$962.88	
Mileage (Trip Charge)	300	Mi.	\$0.52	\$156.00	
Test Report	8	Ea.	\$23.24	\$185.92	
				Subtotal:	\$3,419.30

Concrete Placement - Lift Station					
Air Content(Pressure Method)	2	Ea.	\$23.51	\$47.02	<i>Assuming 2 Placements on Lift Station Slab</i>
Test Report	2	Ea.	\$23.24	\$46.48	
Technician (Concrete)	6	Hr.	\$60.18	\$361.08	
Mileage (Trip Charge)	200	Mi.	\$0.52	\$104.00	
			Subtotal:	<u>\$558.58</u>	
Cyl. Spec. Prep, Hold, Cure	8	Ea.	\$11.83	\$94.64	<i>Quantities based on sample pickup and deliver to laboratory for Compression Testing</i>
Comp. Str. Of Cyl. Specimen	8	Ea.	\$15.68	\$125.44	
Test Reports (7 and 28 day)	4	Ea.	\$23.24	\$92.96	
Technician (Concrete)	6	Hr.	\$60.18	\$361.08	
Mileage (Trip Charge)	200	Mi.	\$0.52	\$104.00	
			Subtotal:	<u>\$778.12</u>	

Estimated Field and Laboratory Test Fees				\$36,304.61
Engineering Specialist (Report Review)(Hr.)	24		\$117.75	\$2,826.00
Engineer-Principal (Report Review)(Hr.)	24		\$157.08	\$3,769.92
Estimated Materials Testing Total				<u>\$42,900.53</u>

EXHIBIT "C"
L&G ENGINEERING
CONSTRUCTION MATERIALS TESTING
LABORATORY RATES FOR FY 2014-2015

Soils Testing

		FY 2014	FY 2015
Moisture Content Determination	ASTM D2216 - Tex-103-E	\$10.40/Ea.	\$10.55/Ea.
Determination of Liquid Limit of Soils	Tex-104-E	\$52.37/Ea.	\$53.15/Ea.
Determination of Plastic Limit of Soils	Tex-105-E	\$52.58/Ea.	\$53.37/Ea.
Atterberg Limits of Soils	ASTM D 4318 - Tex-106-E	\$78.48/Ea.	\$79.66/Ea.
Bar Linear Shrinkage of Soils	Tex-107-E	\$65.49/Ea.	\$66.47/Ea.
Material Finer #200 Sieve	ASTM D 1140 -Tex-111-E	\$65.49/Ea.	\$66.47/Ea.
Lime Series Testing	Tex-112-E	\$529.04/Ea.	\$536.97/Ea.
Moisture-Density Relationship (TxDOT)	Tex-113-E / Tex-114-E	\$209.45/Ea.	\$212.59/Ea.
Standard Proctor	ASTM D 698	\$202.78/Ea.	\$205.82/Ea.
Modified Proctor	ASTM D 1557	\$209.36/Ea.	\$212.50/Ea.
Field Density Test (Nuclear)	ASTM D 2950 - Tex-115-E	\$23.56/Ea.	\$23.91/Ea.
Determination of Soil pH	Tex-128-E	\$85.12/Ea.	\$86.40/Ea.
Soil-Lime Testing	Tex-121-E	\$157.08/Ea.	\$159.44/Ea.
Resistivity of Soils	Tex-129-E	\$95.22/Ea.	\$96.65/Ea.
Sieve Analysis (Dry)(4 Sieves)	ASTM C 136 - Tex-200-F	\$58.85/Ea.	\$59.73/Ea.
Sieve Analysis (Washed)(4 Sieve)	ASTM C 136 - Tex-200-F	\$71.20/Ea.	\$72.27/Ea.
Sieve Analysis (Additional Sieves)	ASTM C 136 - Tex-200-F	\$13.11/Ea.	\$13.31/Ea.
Texas Wet Ball Mill (Base Material Quality)	Tex-116-E	\$229.11/Ea.	\$232.55/Ea.

Coarse & Fine Aggregate Quality Testing

Decantation Test (Conc. Aggr.)	ASTM C117 - Tex-406-A	\$45.81/Ea.	\$46.50/Ea.
Specific Gravity/Absorp. (Conc. Aggr)	ASTM C127 - Tex-403-A	\$71.91/Ea.	\$72.99/Ea.
5 Cycle Magnesium Soundness	ASTM C88 - Tex-411-A	\$556.21/Ea.	\$564.55/Ea.
SSD Unit Weight of Aggregates	ASTM C29 - Tex-404-A	\$65.49/Ea.	\$66.47/Ea.
Percent Voids/Solids in Conc. Aggr.	Tex-405-A	\$13.05/Ea.	\$13.25/Ea.
*(In Conjunction w/ SSD Unit Wt of Aggregates)			
Sand Equivalent	ASTM D 2419 - Tex-203-F	\$71.91/Ea.	\$72.99/Ea.
Specific Gravity / Absorption (Fine Aggr.)	ASTM C 128 - Tex -403-A	\$78.49/Ea.	\$79.67/Ea.
Organic Impurities in Fine Aggregate	ASTM C 87 - Tex -408-A	\$45.81/Ea.	\$46.50/Ea.
Fineness Modulus of Fine Aggregate	Tex-402-A	\$15.71/Ea.	\$15.95/Ea.
Acid Insoluble of Fine Aggregate	Tex-612-J	\$85.12/Ea.	\$86.40/Ea.

Concrete/Masonry Field & Laboratory Testing

Slump Test	ASTM C 143 - Tex-415-A	\$no charge	\$no charge
Air Content (Pressure Method)	ASTM C 138 - Tex-416-A	\$23.51/Ea.	\$23.86/Ea.
Air Content (Volumetric)	ASTM C 173	\$26.17/Ea.	\$26.56/Ea.
Casting of Concrete Cylinders	ASTM C 31	\$no charge	
Compressive Strength of Cyl. Specimen	ASTM C 39 - Tex-418-A	\$15.68/Ea.	\$15.92/Ea.
Cylindrical Specimen Prep./Hold/Cure	ASTM C 192	\$11.83/Ea.	\$12.00/Ea.
Casting of Grout Prisms	ASTM C 1019	\$no charge	
Grout Prism Prep./Cure/Compressive Strength	ASTM C 39	\$32.74/Ea.	\$33.23/Ea.
Casting of Mortar Cubes	ASTM C 780	\$no charge	
Mortar Cube Prep./Cure/Compressive Strength	ASTM C 109	\$32.00/Ea.	\$32.48/Ea.
Masonry Unit Prep. /Compressive Str. (Set of 3)	ASTM C 140	\$228.98/Ea.	\$232.41/Ea.
Masonry Unit SPG/Abs./Unit Wt. (Set of 3)	ASTM C 140	\$228.98/Ea.	\$232.41/Ea.

*(In Conjunction w/ Field Inspection)

Pavement Thickness / Asphalt Quality

FY 2014 FY 2015

Coring – ACP Thickness	ASTM D 3549	\$65.49/Ea.	\$66.47/Ea.
Pavement Thickness Determination (Full Depth)	ASTM	\$87.14/Ea.	\$88.45/Ea.
Density of Asphaltic Cores (4 or 6 inch)	Tex-207-F	\$71.96/Ea.	\$73.04/Ea.
Extraction/Sieve Analysis/Asphalt Content	Tex-210-F / Tex-200-F	\$229.04/Ea.	\$232.48/Ea.
Asphalt Rolling Pattern (Nuclear Method)	Tex-207-F – Part IV	\$39.27/Ea.	\$39.86/Ea.
Eff. Of Water on Asphalt Mixtures (As Rec'd)	Tex-531-C	\$85.12/Ea.	\$86.40/Ea.

Pavement Investigation

FY 2014 FY 2015

Core Existing Asphalt for Thickness, Perform Caliche Base Thickness, Sieve Analysis and Plasticity Index, Stabilized Subgrade Thickness and Plasticity Index		\$490.72/Ea.	\$498.08/Ea.
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L&G Engineering provides Technical and Engineering services at the rates listed below.

<u>Personnel:</u>	Engineer (Principal).....	\$157.08/Hr.	\$159.44/Hr.
	Engineering Specialist.....	\$117.75/Hr.	\$119.52/Hr.
	Technician (Soils).....	\$ 47.14/Hr.	\$47.85/Hr.
	Technician (Concrete).....	\$ 60.18/Hr.	\$61.08/Hr.
	Technician (Asphalt).....	\$ 60.18/Hr.	\$61.08/Hr.

Engineering Review, Evaluation, Management & Administration

FY 2014 FY 2015

Test Report.....	\$ 23.24/Ea.	\$23.59/Ea.
------------------	--------------	-------------

The specific hourly rate within each classification listed above 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.

<u>Expenses:</u>	Mileage.....	.52/Mi.	.53/Mi.
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All other project specific, third-party costs will be charged at cost plus 10 percent.

Invoices will be submitted monthly for work in progress in our standard format. They are due and payable upon receipt and become pas due 30 days after the billing date. Past due invoices may be subject to late charges at the rate of 1 ½ percent per month (18 percent per annum). In the event that the State of Texas legislates a sales tax on Professional Services, the amount of the tax will be added to the appropriate service rate charged. Our invoices are due and payable upon receipt at 2100 W. Expressway 83, Mercedes, Texas 78570.

^^Fees adjusted approximately 1.5% annually.

EXHIBIT "C"
L&G ENGINEERING
GEOTECHNICAL ENGINEERING
LABORATORY RATES FOR FY 2014-2015

Geotechnical Field Services

	FY 2014	FY 2015
Mobilization (Drill Rig and Crew)	\$435.13/Day	\$441.66/Day
Stand-By Time	\$191.31/Hr.	\$194.18/Hr.
Texas Cone Penetration Test (Tex-132)	\$5.47/Ea.	\$5.55/Ea.
Soil Boring / Solid Stem	\$30.62/Lf	\$31.08/Lf
Soil Boring / Hollow Stem	\$30.62/Lf	\$31.08/Lf
Soil Boring / Mud Rotary	\$30.62/Lf	\$31.08/Lf
Mileage (Logger-Soil Tech)	.52/Mi.	.53/Mi.
Support Truck	\$1.63/Mi.	\$1.65/Mi.
Peizometer / Monitoring Well	By Quote	By Quote

Soil Classification Testing

	FY 2014	FY 2015
Moisture Content Determination	\$10.40/Ea.	\$10.45/Ea.
Determination of Liquid Limit of Soils	\$52.37/Ea.	\$53.16/Ea.
Determination of Plastic Limit of Soils	\$52.50/Ea.	\$53.29/Ea.
Atterberg Limits of Soils	\$78.48/Ea.	\$79.66/Ea.
Bar Linear Shrinkage of Soils	\$65.49/Ea.	\$66.47/Ea.
Sieve Analysis		
Through #200 Sieve	\$76.52/Ea.	\$77.67/Ea.
Finer #200 Sieve	\$65.49/Ea.	\$66.47/Ea.
Unit Dry Weight	\$28.42/Ea.	\$28.85/Ea.
Specific Gravity	\$76.94/Ea.	\$78.09/Ea.
Hydrometer Analysis – w/Sieve Analysis	\$94.35/Ea.	\$95.76/Ea.

Strength / Volume Change Laboratory Testing

	FY 2014	FY 2015
Unconfined Compression-Soil Shelby Tube Specimen	\$49.21/Ea.	\$49.95/Ea.
Unconfined Compression-Rock Core Specimen	\$52.48/Ea.	\$53.27/Ea.
Swell Test-Pressure Method	\$273.30/Ea.	\$277.40/Ea.
Swell Test-Free Swell	\$153.05/Ea.	\$155.35/Ea.
Consolidation Test	\$513.80/Ea.	\$521.51/Ea.
Hydraulic Conductivity	\$382.61/Ea.	\$388.35/Ea.

Personnel and Expenses

	FY 2014	FY 2015
Engineer (Principal)	\$157.08/Hr.	\$159.44/Hr.
Engineer (Staff)	\$157.08/Hr.	\$159.44/Hr.
E.I.T.(Engineer in Training)	\$117.75/Hr.	\$119.52/Hr.
Engineering Specialist	\$117.75/Hr.	\$119.52/Hr.
Technician (Soils)(Logger)	\$47.14/Hr.	\$47.85/Hr.
Technician (CADD)	\$60.18/Hr.	\$61.08/Hr.
Admin./Clerical/Report Reproduction	\$46.44/Hr.	\$47.14/Hr.