



L&G Engineering Laboratory

Construction Material Testing
Geotechnical Engineering

November 26, 2014

RECEIVED
NOV 26 2014
BY: J. Lucio

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

RE: Linn San Manuel Facility

Dear Ms. Lucio:

Included for your use with this letter are test reports **R017 thru R042** for **Construction Material Testing** performed on the above referenced project.

L&G Engineering Laboratory 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: JCON Construction, LLC, Mr. Juan Jose Pena Jr.



L&G Engineering Laboratory

Construction Material Testing Geotechnical Engineering

INVOICE

Invoice Date: 11/25/2014

Invoice No: 14-11-000020

Page 3 of 8

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>
R018	10/22/2014	0.25	940:94054 - Engineering Specialist	Hour	\$117.75	\$29.44
R018	10/22/2014	0.25	940:94055 - Engineer / P.E.	Hour	\$157.08	\$39.27
R018	10/22/2014	180.00	950:95058 - Vehicle Trip Charge	Mile	\$0.52	\$93.60
R018	10/22/2014	1.00	950:95061 - Test Report	Each	\$23.24	\$23.24
Report Number R018 for a Subtotal of:						\$570.14
R019-28	10/17/2014	4.00	920:92036 - Grout Compressive Strength	EACH	\$32.74	\$130.96
R019-28	10/17/2014	1.00	940:94050 - Eng. Tech. (Concrete)	Hour	\$60.18	\$60.18
R019-28	10/17/2014	0.25	940:94054 - Engineering Specialist	Hour	\$117.75	\$29.44
R019-28	10/17/2014	0.25	940:94055 - Engineer / P.E.	Hour	\$157.08	\$39.27
R019-28	10/17/2014	1.00	950:95061 - Test Report	Each	\$23.24	\$23.24
Report Number R019-28 for a Subtotal of:						\$283.09
R020-28	10/21/2014	3.00	920:92041 - Mortar Cube Compressive Strength	Each	\$32.00	\$96.00
R020-28	10/21/2014	0.75	940:94050 - Eng. Tech. (Concrete)	Hour	\$60.18	\$45.14
R020-28	10/21/2014	0.25	940:94054 - Engineering Specialist	Hour	\$117.75	\$29.44
R020-28	10/21/2014	0.25	940:94055 - Engineer / P.E.	Hour	\$157.08	\$39.27
R020-28	10/21/2014	1.00	950:95061 - Test Report	Each	\$23.24	\$23.24
Report Number R020-28 for a Subtotal of:						\$233.09
R021	10/28/2014	1.00	940:94050 - Eng. Tech. (Concrete)	Hour	\$60.18	\$60.18
R021	10/28/2014	0.25	940:94054 - Engineering Specialist	Hour	\$117.75	\$29.44
R021	10/28/2014	0.25	940:94055 - Engineer / P.E.	Hour	\$157.08	\$39.27
R021	10/28/2014	1.00	950:95061 - Test Report	Each	\$23.24	\$23.24
Report Number R021 for a Subtotal of:						\$152.13
R022	10/28/2014	3.00	940:94050 - Eng. Tech. (Concrete)	Hour	\$60.18	\$180.54
R022	10/28/2014	0.25	940:94054 - Engineering Specialist	Hour	\$117.75	\$29.44
R022	10/28/2014	0.25	940:94055 - Engineer / P.E.	Hour	\$157.08	\$39.27
R022	10/28/2014	290.00	950:95058 - Vehicle Trip Charge	Mile	\$0.52	\$150.80
R022	10/28/2014	1.00	950:95061 - Test Report	Each	\$23.24	\$23.24
Report Number R022 for a Subtotal of:						\$423.29

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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R023	10/28/2014	1.00	920:92033 - Air Content (Pressure Method)	Each	\$23.51	\$23.51
R023	10/28/2014	3.00	940:94050 - Eng. Tech. (Concrete)	Hour	\$60.18	\$180.54
R023	10/28/2014	0.25	940:94054 - Engineering Specialist	Hour	\$117.75	\$29.44
R023	10/28/2014	0.25	940:94055 - Engineer / P.E.	Hour	\$157.08	\$39.27
R023	10/28/2014	1.00	950:95061 - Test Report	Each	\$23.24	\$23.24
Report Number R023 for a Subtotal of:						\$296.00
R024-28	10/22/2014	4.00	920:92036 - Grout Compressive Strength	EACH	\$32.74	\$130.96
R024-28	10/22/2014	1.00	940:94050 - Eng. Tech. (Concrete)	Hour	\$60.18	\$60.18
R024-28	10/22/2014	0.25	940:94054 - Engineering Specialist	Hour	\$117.75	\$29.44
R024-28	10/22/2014	0.25	940:94055 - Engineer / P.E.	Hour	\$157.08	\$39.27
R024-28	10/22/2014	1.00	950:95061 - Test Report	Each	\$23.24	\$23.24
Report Number R024-28 for a Subtotal of:						\$283.09
R025	10/30/2014	3.00	940:94050 - Eng. Tech. (Concrete)	Hour	\$60.18	\$180.54
R025	10/30/2014	0.25	940:94054 - Engineering Specialist	Hour	\$117.75	\$29.44
R025	10/30/2014	0.25	940:94055 - Engineer / P.E.	Hour	\$157.08	\$39.27
R025	10/30/2014	290.00	950:95058 - Vehicle Trip Charge	Mile	\$0.52	\$150.80
R025	10/30/2014	1.00	950:95061 - Test Report	Each	\$23.24	\$23.24
Report Number R025 for a Subtotal of:						\$423.29
R026	10/30/2014	1.00	920:92033 - Air Content (Pressure Method)	Each	\$23.51	\$23.51
R026	10/30/2014	3.00	940:94050 - Eng. Tech. (Concrete)	Hour	\$60.18	\$180.54
R026	10/30/2014	0.25	940:94054 - Engineering Specialist	Hour	\$117.75	\$29.44
R026	10/30/2014	0.25	940:94055 - Engineer / P.E.	Hour	\$157.08	\$39.27
R026	10/30/2014	1.00	950:95061 - Test Report	Each	\$23.24	\$23.24
Report Number R026 for a Subtotal of:						\$296.00
R027	11/04/2014	1.00	940:94050 - Eng. Tech. (Concrete)	Hour	\$60.18	\$60.18
R027	11/04/2014	0.25	940:94054 - Engineering Specialist	Hour	\$117.75	\$29.44
R027	11/04/2014	0.25	940:94055 - Engineer / P.E.	Hour	\$157.08	\$39.27

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**Construction Material Testing
Geotechnical Engineering**

 2100 W. Expressway 83
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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>
R027	11/04/2014	1.00	950:95061 - Test Report	Each	\$23.24	\$23.24
Report Number R027 for a Subtotal of:						\$152.13
R028	11/04/2014	4.00	940:94050 - Eng. Tech. (Concrete)	Hour	\$60.18	\$240.72
R028	11/04/2014	0.25	940:94054 - Engineering Specialist	Hour	\$117.75	\$29.44
R028	11/04/2014	0.25	940:94055 - Engineer / P.E.	Hour	\$157.08	\$39.27
R028	11/04/2014	290.00	950:95058 - Vehicle Trip Charge	Mile	\$0.52	\$150.80
R028	11/04/2014	1.00	950:95061 - Test Report	Each	\$23.24	\$23.24
Report Number R028 for a Subtotal of:						\$483.47
R029	10/28/2014	1.00	920:92041 - Mortar Cube Compressive Strength	Each	\$32.00	\$32.00
R029	10/28/2014	0.25	940:94050 - Eng. Tech. (Concrete)	Hour	\$60.18	\$15.05
R029	10/28/2014	0.25	940:94054 - Engineering Specialist	Hour	\$117.75	\$29.44
R029	10/28/2014	0.25	940:94055 - Engineer / P.E.	Hour	\$157.08	\$39.27
R029	10/28/2014	1.00	950:95061 - Test Report	Each	\$23.24	\$23.24
Report Number R029 for a Subtotal of:						\$139.00
R030	10/28/2014	2.00	920:92036 - Grout Compressive Strength	EACH	\$32.74	\$65.48
R030	10/28/2014	0.50	940:94050 - Eng. Tech. (Concrete)	Hour	\$60.18	\$30.09
R030	10/28/2014	0.25	940:94054 - Engineering Specialist	Hour	\$117.75	\$29.44
R030	10/28/2014	0.25	940:94055 - Engineer / P.E.	Hour	\$157.08	\$39.27
R030	10/28/2014	1.00	950:95061 - Test Report	Each	\$23.24	\$23.24
Report Number R030 for a Subtotal of:						\$187.52
R031	11/05/2014	3.00	940:94050 - Eng. Tech. (Concrete)	Hour	\$60.18	\$180.54
R031	11/05/2014	0.25	940:94054 - Engineering Specialist	Hour	\$117.75	\$29.44
R031	11/05/2014	0.25	940:94055 - Engineer / P.E.	Hour	\$157.08	\$39.27
R031	11/05/2014	1.00	950:95061 - Test Report	Each	\$23.24	\$23.24
Report Number R031 for a Subtotal of:						\$272.49
R032	11/05/2014	1.00	920:92033 - Air Content (Pressure Method)	Each	\$23.51	\$23.51
R032	11/05/2014	3.00	940:94050 - Eng. Tech. (Concrete)	Hour	\$60.18	\$180.54

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R032	11/05/2014	0.25	940:94054 - Engineering Specialist	Hour	\$117.75	\$29.44
R032	11/05/2014	0.25	940:94055 - Engineer / P.E.	Hour	\$157.08	\$39.27
R032	11/05/2014	290.00	950:95058 - Vehicle Trip Charge	Mile	\$0.52	\$150.80
R032	11/05/2014	1.00	950:95061 - Test Report	Each	\$23.24	\$23.24
Report Number R032 for a Subtotal of:						\$446.80
R033	10/30/2014	1.00	920:92041 - Mortar Cube Compressive Strength	Each	\$32.00	\$32.00
R033	10/30/2014	0.25	940:94050 - Eng. Tech. (Concrete)	Hour	\$60.18	\$15.05
R033	10/30/2014	0.25	940:94054 - Engineering Specialist	Hour	\$117.75	\$29.44
R033	10/30/2014	0.25	940:94055 - Engineer / P.E.	Hour	\$157.08	\$39.27
R033	10/30/2014	1.00	950:95061 - Test Report	Each	\$23.24	\$23.24
Report Number R033 for a Subtotal of:						\$139.00
R034	10/30/2014	2.00	920:92036 - Grout Compressive Strength	EACH	\$32.74	\$65.48
R034	10/30/2014	0.50	940:94050 - Eng. Tech. (Concrete)	Hour	\$60.18	\$30.09
R034	10/30/2014	0.25	940:94054 - Engineering Specialist	Hour	\$117.75	\$29.44
R034	10/30/2014	0.25	940:94055 - Engineer / P.E.	Hour	\$157.08	\$39.27
R034	10/30/2014	1.00	950:95061 - Test Report	Each	\$23.24	\$23.24
Report Number R034 for a Subtotal of:						\$187.52
R035	11/04/2014	1.00	920:92041 - Mortar Cube Compressive Strength	Each	\$32.00	\$32.00
R035	11/04/2014	0.25	940:94050 - Eng. Tech. (Concrete)	Hour	\$60.18	\$15.05
R035	11/04/2014	0.25	940:94054 - Engineering Specialist	Hour	\$117.75	\$29.44
R035	11/04/2014	0.25	940:94055 - Engineer / P.E.	Hour	\$157.08	\$39.27
R035	11/04/2014	1.00	950:95061 - Test Report	Each	\$23.24	\$23.24
Report Number R035 for a Subtotal of:						\$139.00
R036	11/05/2014	1.00	920:92041 - Mortar Cube Compressive Strength	Each	\$32.00	\$32.00
R036	11/05/2014	0.25	940:94050 - Eng. Tech. (Concrete)	Hour	\$60.18	\$15.05
R036	11/05/2014	0.25	940:94054 - Engineering Specialist	Hour	\$117.75	\$29.44
R036	11/05/2014	0.25	940:94055 - Engineer / P.E.	Hour	\$157.08	\$39.27

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R036	11/05/2014	1.00	950:95061 - Test Report	Each	\$23.24	\$23.24
Report Number R036 for a Subtotal of:						\$139.00
R037	11/05/2014	2.00	920:92036 - Grout Compressive Strength	EACH	\$32.74	\$65.48
R037	11/05/2014	0.50	940:94050 - Eng. Tech. (Concrete)	Hour	\$60.18	\$30.09
R037	11/05/2014	0.25	940:94054 - Engineering Specialist	Hour	\$117.75	\$29.44
R037	11/05/2014	0.25	940:94055 - Engineer / P.E.	Hour	\$157.08	\$39.27
R037	11/05/2014	1.00	950:95061 - Test Report	Each	\$23.24	\$23.24
Report Number R037 for a Subtotal of:						\$187.52
R038	11/13/2014	1.00	920:92033 - Air Content (Pressure Method)	Each	\$23.51	\$23.51
R038	11/13/2014	3.00	940:94050 - Eng. Tech. (Concrete)	Hour	\$60.18	\$180.54
R038	11/13/2014	0.25	940:94054 - Engineering Specialist	Hour	\$117.75	\$29.44
R038	11/13/2014	0.25	940:94055 - Engineer / P.E.	Hour	\$157.08	\$39.27
R038	11/13/2014	290.00	950:95058 - Vehicle Trip Charge	Mile	\$0.52	\$150.80
R038	11/13/2014	1.00	950:95061 - Test Report	Each	\$23.24	\$23.24
Report Number R038 for a Subtotal of:						\$446.80
R039	11/13/2014	1.00	920:92033 - Air Content (Pressure Method)	Each	\$23.51	\$23.51
R039	11/13/2014	4.00	920:92035 - Cyl. Specimen Prep./Hold/Cure	Each	\$11.83	\$47.32
R039	11/13/2014	3.00	940:94050 - Eng. Tech. (Concrete)	Hour	\$60.18	\$180.54
R039	11/13/2014	0.25	940:94054 - Engineering Specialist	Hour	\$117.75	\$29.44
R039	11/13/2014	0.25	940:94055 - Engineer / P.E.	Hour	\$157.08	\$39.27
R039	11/13/2014	1.00	950:95061 - Test Report	Each	\$23.24	\$23.24
Report Number R039 for a Subtotal of:						\$343.32
R040	11/13/2014	1.00	940:94050 - Eng. Tech. (Concrete)	Hour	\$60.18	\$60.18
R040	11/13/2014	0.25	940:94054 - Engineering Specialist	Hour	\$117.75	\$29.44
R040	11/13/2014	0.25	940:94055 - Engineer / P.E.	Hour	\$157.08	\$39.27
R040	11/13/2014	1.00	950:95061 - Test Report	Each	\$23.24	\$23.24
Report Number R040 for a Subtotal of:						\$152.13

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R041	11/13/2014	2.00	920:92034 - Comp. Strength of Cyl. Specimen	Each	\$15.68	\$31.36
R041	11/13/2014	0.50	940:94047 - Eng. Tech. (Concrete / Lab)	Each	\$60.18	\$30.09
R041	11/13/2014	0.25	940:94054 - Engineering Specialist	Hour	\$117.75	\$29.44
R041	11/13/2014	0.25	940:94055 - Engineer / P.E.	Hour	\$157.08	\$39.27
R041	11/13/2014	1.00	950:95061 - Test Report	Each	\$23.24	\$23.24
<i>Report Number R041 for a Subtotal of:</i>						\$153.40
R042	11/13/2014	2.00	920:92036 - Grout Compressive Strength	EACH	\$32.74	\$65.48
R042	11/13/2014	0.50	940:94050 - Eng. Tech. (Concrete)	Hour	\$60.18	\$30.09
R042	11/13/2014	0.25	940:94054 - Engineering Specialist	Hour	\$117.75	\$29.44
R042	11/13/2014	0.25	940:94055 - Engineer / P.E.	Hour	\$157.08	\$39.27
R042	11/13/2014	1.00	950:95061 - Test Report	Each	\$23.24	\$23.24
<i>Report Number R042 for a Subtotal of:</i>						\$187.52
Total for this Invoice:						\$7,756.61

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Net 30 Days

Attachment "D"
L&G Engineering Laboratory, LLC
Linn-San Manuel Emergency Services Facility
Prepared for Hidalgo County Precinct No. 4

<i>In-Situ Soils Testing-Laboratory-Building Subgrade / Parking Area</i>					
Standard Proctor	2	Ea.	\$202.78	\$405.56	<i>Building Footprint Approx. 7,500 SF</i>
Atterberg Limits of Soils	2	Ea.	\$78.48	\$156.96	
Material Finer #200	2	Ea.	\$65.49	\$130.98	<i>New Parking Area Approx. 24,000 SF</i>
Test Report	2	Ea.	\$23.24	\$46.48	
Technician (Soils)	6	Hr.	\$47.14	\$282.84	
Mileage (Trip Charge)	168	Mi.	\$0.52	\$87.36	
Subtotal:				\$1,110.18	
<i>In-Situ Soils Testing-Field-Building Subgrade / Parking Area</i>					
Field Density Test	15	Ea.	\$23.56	\$353.40	<i>Quantities Based on 3 Visits to Project To perform testing</i>
Test Report	3	Ea.	\$23.24	\$69.72	
Technician (Soils)	10	Hr.	\$47.14	\$471.40	
Mileage (Trip Charge)	252	Mi.	\$0.52	\$131.04	
Subtotal:				\$1,025.56	
<i>Select Fill (Type Gr4) Soils Testing / Slab / Laboratory</i>					
Standard Proctor	1	Ea.	\$202.78	\$202.78	<i>Based on 1 Select Fill Samples 2 Additional Atterberg Limits & Sieve Analysis for Field Verification of Select Fill Materials</i>
Atterberg Limits of Soils	3	Ea.	\$78.48	\$235.44	
Sieve Analysis	3	Ea.	\$58.85	\$176.55	
Technician (Soils)	8	Hr.	\$47.14	\$377.12	
Mileage (Trip Charge)	168	Mi.	\$0.52	\$87.36	
Test Report	4	Ea.	\$23.24	\$92.96	
Subtotal:				\$1,172.21	
<i>Select Fill (Type Gr4) Soils Testing-Field Testing and Monitoring</i>					
Field Density Test	12	Ea.	\$23.56	\$282.72	<i>Based on 2 - 6" Lifts A Minimum of 4 Compaction Test Per Lift or every 3000 Square Feet 4 tests per lift</i>
Test Report	2	Ea.	\$23.24	\$46.48	
Technician (Soils)	6	Hr.	\$47.14	\$282.84	
Mileage (Trip Charge)	168	Mi.	\$0.52	\$87.36	
Subtotal:				\$699.40	
<i>Concrete Reinforcement Steel Placement Verification (Concrete in Grout Units)</i>					
Test Report	10	Ea.	\$23.24	\$232.40	<i>Verification Inspection assuming 10 grout placements</i>
Technician (Concrete)	30	Hr.	\$60.18	\$1,805.40	
Mileage (Trip Charge)	840	Mi.	\$0.52	\$436.80	
Subtotal:				\$2,474.60	
<i>Concrete Placement Floor Slabs Main Building-Covered Parking</i>					
Air Content (Pressure Method)	4	Ea.	\$23.51	\$94.04	<i>Assuming 4 Placements for a total of 200 cy 1 set Every 50 as per General Notes 4 Cylinders to be Tested for Compression</i>
Test Report	4	Ea.	\$23.24	\$92.96	
Technician (Concrete)	12	Hr.	\$60.18	\$722.16	
Mileage (Trip Charge)	336	Mi.	\$0.52	\$174.72	
Subtotal:				\$1,083.88	
Cyl. Spec. Prep, Hold, Cure	16	Ea.	\$11.83	\$189.28	<i>at a Frequency of Two 7 Day and Two 28 Day</i>
Comp. Str. Of Cyl. Specimen	16	Ea.	\$15.68	\$250.88	
Test Reports (7 and 28 day)	8	Ea.	\$23.24	\$185.92	
Technician (Concrete)	16	Hr.	\$60.18	\$962.88	
Mileage (Trip Charge)	336	Mi.	\$0.52	\$174.72	
Subtotal:				\$1,763.68	

Concrete Placement - Misc. Concrete -Sidewalks-Canopies-Curb and Gutter

Air Content(Pressure Method)	10	Ea.	\$23.51	\$235.10	<i>Assuming 10 Placements</i>
Test Report	10	Ea.	\$23.24	\$232.40	
Technician (Concrete)	30	Hr.	\$60.18	\$1,805.40	
Mileage (Trip Charge)	840	Mi.	\$0.52	\$436.80	
			Subtotal:	\$2,709.70	
Cyl. Spec. Prep, Hold, Cure	40	Ea.	\$11.83	\$473.20	<i>Quantities based on sample pickup and deliver to laboratory for Compression Testing</i>
Comp. Str. Of Cyl. Specimen	40	Ea.	\$15.68	\$627.20	
Test Reports (7 and 28 day)	20	Ea.	\$23.24	\$464.80	
Technician (Concrete)	40	Hr.	\$60.18	\$2,407.20	
Mileage (Trip Charge)	840	Mi.	\$0.52	\$436.80	
			Subtotal:	\$4,409.20	

Concrete Masonry Unit Quality Verification

Masonry Unit Prep./Compressive Strength	1	Sets	\$228.98	\$228.98
Masonry Unit SPG/ABS/UNIT WT.	1	Sets	\$228.98	\$228.98
Technician (Concrete)	8	Hr.	\$60.18	\$481.44
Test Report	2	Ea.	\$23.24	\$46.48
			Subtotal:	\$985.88

Concrete Masonry Unit - Grout Testing

Air Content(Pressure Method)	10	Ea.	\$23.51	\$235.10	<i>Assuming 10 placements</i>
Test Report	10	Ea.	\$23.24	\$232.40	
Technician (Concrete)	30	Hr.	\$60.18	\$1,805.40	
Mileage (Trip Charge)	840	Mi.	\$0.52	\$436.80	
			Subtotal:	\$2,709.70	
Grout Prism Prep, Hold, Cure, Comp Str.	30	Ea.	\$32.74	\$982.20	<i>Assuming 10 placements</i>
Test Reports (7 and 28 day)	20	Ea.	\$23.24	\$464.80	
Technician (Concrete)	40	Hr.	\$60.18	\$2,407.20	
Mileage (Trip Charge)	840	Mi.	\$0.52	\$436.80	
			Subtotal:	\$4,291.00	

Concrete Masonry Unit - Mortar Testing

Test Report	10	Ea.	\$23.24	\$232.40	<i>Assuming 10 placements</i>
Technician (Concrete)	30	Hr.	\$60.18	\$1,805.40	
Mileage (Trip Charge)	840	Mi.	\$0.52	\$436.80	
			Subtotal:	\$2,474.60	
Mortar Cube, Prep, Cure, Comp Str.	30	Ea.	\$32.00	\$960.00	<i>Assuming 10 placements</i>
Test Reports (7 and 28 day)	20	Ea.	\$23.24	\$464.80	
Technician (Concrete)	40	Hr.	\$60.18	\$2,407.20	
Mileage (Trip Charge)	840	Mi.	\$0.52	\$436.80	
			Subtotal:	\$4,268.80	

Welding and Bolt Torque Inspection

Engineering Specialist	16	Ea.	\$117.75	\$1,884.00	<i>Assuming 4 Visits to perform Welding and/or Bolt Torque Inspection</i>
Mileage (Trip Charge)	336	Mi.	\$0.52	\$174.72	
Test Report	4	Ea.	\$23.24	\$92.96	
			Subtotal:	\$2,151.68	

Treated In-Situ Soils Testing - Laboratory Payment Sub-grade

Standard Proctor	1	Ea.	\$202.78	\$202.78	<i>Quantity Based On 1 visit to obtain sample for laboratory testing</i>
Afterberg Limits of Soils	1	Ea.	\$78.48	\$78.48	
Test Report	1	Ea.	\$23.24	\$23.24	
Technician (Soils)	3	Hr.	\$47.14	\$141.42	
Mileage (Trip Charge)	84	Mi.	\$0.52	\$43.68	
			Subtotal:	\$489.60	

Treated In-Situ Soils Testing - Field Pavement Sub-grade

Field Density Test	10	Ea.	\$23.56	\$235.60	<i>Quantity Based On 2 site visits to perform compaction testing</i>
Test Report	2	Ea.	\$23.24	\$46.48	
Technician (Soils)	6	Hr.	\$47.14	\$282.84	
Mileage (Trip Charge)	168	Mi.	\$0.52	\$87.36	
			Subtotal:	\$652.28	

Site Select Fill Soils Testing-Laboratory					
Standard Proctor	1	Ea.	\$202.78	\$202.78	<i>Quantity Based in 1 site visit to obtain sample</i>
Atterberg Limits of Soils	1	Ea.	\$78.48	\$78.48	
Material Finer #200	1	Ea.	\$65.49	\$65.49	
Technician (Soils)	3	Hr.	\$47.14	\$141.42	
Test Report	1	Ea.	\$23.24	\$23.24	
Mileage (Trip Charge)	84	Mi.	\$0.52	\$43.68	
				Subtotal:	\$555.09
Site Select Fill Soils-Field Testing and Monitoring					
Field Density Test	10	Ea.	\$23.56	\$235.60	<i>Quantities based on 2 visits to perform testing</i>
Test Report	2	Ea.	\$23.24	\$46.48	
Technician (Soils)	6	Hr.	\$47.14	\$282.84	
Mileage (Trip Charge)	168	Mi.	\$0.52	\$87.36	
				Subtotal:	
Flexible Base (Caliche) Parking Areas-Testing-Laboratory					
Standard Proctor	1	Ea.	\$202.78	\$202.78	<i>Quantity based on 1 site visit to obtain sample</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
Flexible Base (Caliche) Parking Areas-Field Testing and Monitoring					
Field Density Test	8	Ea.	\$23.56	\$188.48	<i>Quantities based on three (3) visits to perform in-place testing</i>
Test Report	2	Ea.	\$23.24	\$46.48	
Technician (Soils)	4	Hr.	\$47.14	\$188.56	
Mileage (Trip Charge)	12	Mi.	\$0.52	\$6.24	
				Subtotal:	
Hot Mix Asphalt Paving/Parking Area					
Ext. Sieve Analysis/Asph Content	2	Ea.	\$229.04	\$458.08	<i>Quantities based on three site visits to perform testing</i>
Density of Asphaltic Cores	3	Ea.	\$71.96	\$215.88	
Asphalt Rolling Patterns	6	Ea.	\$39.27	\$235.62	
Coring/ACP Thickness	8	Ea.	\$65.49	\$523.92	
Technician (Asphalt)	12	Hr.	\$60.18	\$722.16	
Mileage (Trip Charge)	252	Mi.	\$0.52	\$131.04	
Test Report	3	Ea.	\$23.24	\$69.72	
				Subtotal:	\$2,356.42

Estimated Field and Laboratory Test Fees			\$39,313.44
Engineering Specialist (Report Review)(Hr.)	36	\$117.75	\$4,239.00
Engineer-Principal (Report Review)(Hr.)	36	\$157.08	\$5,654.88
Estimated Materials Testing Total			\$49,207.32

