

GEOTECH ENGINEERING an



#0075-02

Geotechnical ● Environmental ● Construction Materials ● Forensic Engineering ● Firm PE #F-1183 800 Victoria Drive • Houston, Texas 77022-2908 • Tel: 713-699-4000 • Fax: 713-699-9200 • Website: www.geotecheng.com

INVOICE

Page 1 of 2

Invoice Date: 05/20/2016 Invoice No: 16-5-000079

Client Address: Fort Bend County c/o Schaumburg & Polk

Mr. Wesley Crawford (281) 633-7514

301 Jackson Street, Suite 400 Richmond, TX. 77469 mdessens@spi-eng.com

(281) 633-7514

Account No.: FBC

Project No: 15-2011

Project Desc.: Golfview Drive (Mobility Project No. 709)

Regional Drainage Facility, Phase 2, Paving and Drainage Improvements, County of Fort Bend,

Richmond, Texas

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

	Unit Rate	Qty	<u>Amount</u>
10700 - Technician ACI	\$65.00	47.50	\$3,087.50
10700-2 - Technician ACI - OT	\$97.50	6.00	\$585.00
10900 - Project Engineer Review	\$183.00	3.50	\$640.50
11160 - Vehicle (Pick-up Truck) Charge	\$10.00	47.50	\$475.00
30100 - Compressive Strength Cyliner Test hold each ASTM	\$17.00	16.00	\$272.00
92300 - OMD Standad Compaction	\$204.00	1.00	\$204.00
92601 - Percent Solids in Lime Slurry	\$43.00	1.00	\$43.00
95100 - Nuclear Density Equipment Rental	\$10.50	16.00	\$168.00
	Total for	this Invoice:	\$5,475.00

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

Report No.	Sampled	Qty	Billing Code	Unit Measure	Unit Rate	<u>Amount</u>
168	04/26/2016	7.50	10700 - Technician ACI	hour	\$65.00	\$487.50
168	04/26/2016	0.50	10900 - Project Engineer Review	Hour	\$183.00	\$91.50
168	04/26/2016	7.50	11160 - Vehicle (Pick-up Truck) Charge	hour	\$10.00	\$75.00
168	04/26/2016	4.00	30100 - Compressive Strength Cyliner Test hold each ASTM	each	\$17.00	\$68.00
				Report Number 168	3 for a Subtotal of:	\$722.00
169	04/27/2016	4.00	10700 - Technician ACI	hour	\$65.00	\$260.00
169	04/27/2016	0.50	10900 - Project Engineer Review	Hour	\$183.00	\$91.50
169	04/27/2016	4.00	11160 - Vehicle (Pick-up Truck) Charge	hour	\$10.00	\$40.00
				Report Number 169	for a Subtotal of:	\$391.50
170	05/12/2016	8.00	10700 - Technician ACI	hour	\$65.00	\$520.00
170	05/12/2016	3.00	10700-2 - Technician ACI - OT	hour	\$97.50	\$292.50
170	05/12/2016	0.50	10900 - Project Engineer Review	Hour	\$183.00	\$91.50
170	05/12/2016	8.00	11160 - Vehicle (Pick-up Truck) Charge	hour	\$10.00	\$80.00

REMIT TO:DAE & ASSOCIATES, LTD dba GEOTECH ENGINEERING AND TESTII **800 VICTORIA DRIVE** Houston, Texas 77022-2908

*Invoice is due on presentation





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INVOIOE

INVOICE

Invoice Date: 05/20/2016 Invoice No: 16-5-000079 Page 2 of 2

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

Report No.	<u>Sampled</u>	<u>Qty</u>	Billing Code	<u>Unit Measure</u>	Unit Rate	<u>Amount</u>
170	05/12/2016	8.00	95100 - Nuclear Density Equipment Rental	hour	\$10.50	\$84.00
				Report Number 170	o for a Subtotal of:	\$1,068.00
171	05/13/2016	7.00	10700 - Technician ACI	hour	\$65.00	\$455.00
171	05/13/2016	0.50	10900 - Project Engineer Review	Hour	\$183.00	\$91.50
171	05/13/2016	7.00	11160 - Vehicle (Pick-up Truck) Charge	hour	\$10.00	\$70.00
171	05/13/2016	1.00	92601 - Percent Solids in Lime Slurry	each	\$43.00	\$43.00
				Report Number 17	1 for a Subtotal of:	\$659.50
172	05/17/2016	8.00	10700 - Technician ACI	hour	\$65.00	\$520.00
172	05/17/2016	2.00	10700-2 - Technician ACI - OT	hour	\$97.50	\$195.00
172	05/17/2016	0.50	10900 - Project Engineer Review	Hour	\$183.00	\$91.50
172	05/17/2016	8.00	11160 - Vehicle (Pick-up Truck) Charge	hour	\$10.00	\$80.00
172	05/17/2016	4.00	30100 - Compressive Strength Cyliner Test hold each ASTM	each	\$17.00	\$68.00
				Report Number 17	2 for a Subtotal of:	\$954.50
173	05/18/2016	8.00	10700 - Technician ACI	hour	\$65.00	\$520.00
173	05/18/2016	1.00	10700-2 - Technician ACI - OT	hour	\$97.50	\$97.50
173	05/18/2016	0.50	10900 - Project Engineer Review	Hour	\$183.00	\$91.50
173	05/18/2016	8.00	11160 - Vehicle (Pick-up Truck) Charge	hour	\$10.00	\$80.00
173	05/18/2016	4.00	30100 - Compressive Strength Cyliner Test hold each ASTM	each	\$17.00	\$68.00
173	05/18/2016	1.00	92300 - OMD Standad Compaction	each	\$204.00	\$204.00
173	05/18/2016	8.00	95100 - Nuclear Density Equipment Rental	hour	\$10.50	\$84.00
				Report Number 17:	3 for a Subtotal of:	\$1,145.00
174	05/20/2016	5.00	10700 - Technician ACI	hour	\$65.00	\$325.00
174	05/20/2016	0.50	10900 - Project Engineer Review	Hour	\$183.00	\$91.50
174	05/20/2016	5.00	11160 - Vehicle (Pick-up Truck) Charge	hour	\$10.00	\$50.00
174	05/20/2016	4.00	30100 - Compressive Strength Cyliner Test hold each ASTM	each	\$17.00 	\$68.00
				Report Number 17	4 for a Subtotal of:	\$534.50
				Tota	=== I for this Invoice:	\$5,475.00





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800 Victoria Drive ● Houston, Texas 77022-2908 ● Tel: 713-699-4000 ● Fax: 713-699-9200 ● Website: www.geotecheng.com

Report On: General Report

Work Order: 3706

Project No: 15-2011

Client: Fort Bend County c/o Schaumburg & Polk

Mr. Wesley Crawford

Fort Bend c/o Shaumburg & Polk 301 Jackson Street, Suite 400 Richmond, TX 77469

Engineer:

Kelly R. Kaluza & Associates, Inc.

Page 1 of 1

Project: Golfview Drive (Mobility Project No. 709)

Regional Drainage Facility, Phase 2, Paving and Drainage Improvements, County of Fort Bend, Richmond, Texas

Report Date:

04/26/2016

Report No:

168 Version 5

Test Date: Technician: 04/26/2016 Hurd, Darrell

Subject: Concrete Testing

A GET Technician was dispatched to the above the following:

Concrete testing - One (1) set of four (4) cylinders were set to the concrete placed for sidewalk. Field tests were performed on slump, concrete air content, concrete temperature and ambient temperature.

Charge: Fort Bend County c/o Schaumburg & Polk Attn: Mr. Wesley Crawford

Invoice: 16-5-000079 Charges for this Report Unit Price Quantity **Billing Code** Description Unit Amount 7.50 10700 Technician ACI \$65.00 hour \$487.50 Project Engineer Review 10900 \$91.50 0.50 \$183.00 Hour 11160 Vehicle (Pick-up Truck) Charge \$75.00 7.50 \$10.00 hour 30100 Compressive Strength Cyliner Test hold each ASTM 4.00 \$17.00 \$68.00 each \$722.00

THIS REPORT APPLIES ONLY TO THE STANDARDS OR PROCEDURES INDICATED AND TO THE SAMPLE(S) TESTED AND/OR OBSERVED AND ARE NOT NECESSARILY INDICATIVE OF THE QUALITIES OF APPARENTLY IDENTICAL OR SIMILAR PRODUCTS OR PROCEDURES, NOR DO THEY REPRESENT AN ONGOING QUALITY ASSURANCE PROGRAM UNLESS SO NOTED, THESE REPORTS ARE FOR THE EXCLUSIVE USE OF THE ADDRESSED CLIENT AND ARE NOT TO BE REPRODUCED WITHOUT WRITTEN PERMISSION.





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800 Victoria Drive ● Houston, Texas 77022-2908 ● Tel: 713-699-4000 ● Fax: 713-699-9200 ● Website: www.geotecheng.com

Report On: General Report

Work Order: 3707

Project No: 15-2011

Client: Fort Bend County c/o Schaumburg & Polk

Mr. Wesley Crawford

Fort Bend c/o Shaumburg & Polk 301 Jackson Street, Suite 400 Richmond. TX 77469

Engineer:

Kelly R. Kaluza & Associates, Inc.

Page 1 of 1

Project: Golfview Drive (Mobility Project No. 709)

Regional Drainage Facility, Phase 2, Paving and Drainage Improvements, County of Fort Bend, Richmond, Texas

Report Date:

04/27/2016

Report No:

169 Version 5

Test Date:

04/27/2016

Technician:

Hurd, Darrell

Subject: Concrete Testing & Cylinder Pick-Up

A GET Technician was dispatched to the referenced project site to conduct the following:

• Cylinder pick up - Four (4) concrete cylinder samples which were made on 4-26-16 were picked up. The samples were brought to the laboratory for curing and compressive treating at designated dates.

On this date, our representative visited the lower referenced project site to pertain the scheduled concrete testing. After arrival to the job site, the task was cancelled in postponed by the contractor epresentative due to rain.

Charge: Fort Bend County c/o Schaumburg & Polk Attn: Mr. Wesley Crawford

Invoice: 16-5-000079 Charges for this Report Unit **Billing Code** Description **Unit Price** Amount Quantity \$260.00 4.00 10700 Technician ACI \$65.00 hour 0.50 10900 Project Engineer Review \$183.00 Ноиг \$91,50 11160 Vehicle (Pick-up Truck) Charge \$10.00 hour \$40.00 \$391.50 Total:





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800 Victoria Drive ● Houston, Texas 77022-2908 ● Tel: 713-699-4000 ● Fax: 713-699-9200 ● Website: www.geotecheng.com

Report On: General Report

Work Order: 3841

Project No: 15-2011

Client: Fort Bend County c/o Schaumburg & Polk

Mr. Wesley Crawford

Fort Bend c/o Shaumburg & Polk 301 Jackson Street, Suite 400 Richmond. TX 77469

Engineer:

Kelly R. Kaluza & Associates, Inc.

Page 1 of 1

Project: Golfview Drive (Mobility Project No. 709)

Regional Drainage Facility, Phase 2, Paving and Drainage Improvements, County of Fort Bend, Richmond, Texas

Report Date:

05/12/2016

Report No:

170 Version 5

Test Date: Technician: 05/12/2016

Adelagun, Jeff

Subject: Compaction Testing and Proof roll observation

A GET Technician was dispatched to the above the project site to conduct the following:

- Compaction testing Compaction tests were performed by the subgrade of right turn lanefrom from FM762 to Golfview Drive. Based on the field test results, the percent compaction values obtained met or exceeded 95% of maximum dry density as determined by the grade laboratory procedure (ALLAND698).
 Our representative observed proof rolling of the subgrade at the intersection of FM 762 and Golfview in the Right
- Our representative observed proof rolling of the subgrade at the intersection of FM 762 and Golfview in the Right
 Turning Lane (RTL), to delineate soft, wet and/or weak areas. Troof rolling was performed utilizing a fully loaded
 dump truck. The proof rolling of the subgrade was found to be satisfactor with no weak or soft spots. Proof-roll test
 was accepted.

Invoice: 16-5-000	0079	Charges for this Report			
Quantity	Billing Code	Description	Unit Price	Unit	Amount
8.00	10700	Technician ACI	\$65.00	hour	\$520.00
3.00	10700-2	Technician ACI - OT	\$97.50	hour	\$292.50
0.50	10900	Project Engineer Review	\$183.00	Hour	\$91.50
8.00	11160	Vehicle (Pick-up Truck) Charge	\$10.00	hour	\$80.00
8.00	95100	Nuclear Density Equipment Rental	\$10.50	hour	\$84.00
,				Total:	\$1,068.00





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General Report Report On:

Work Order: 3864

Project No: 15-2011

Client: Fort Bend County c/o Schaumburg & Polk

Mr. Wesley Crawford

Fort Bend c/o Shaumburg & Polk 301 Jackson Street, Suite 400 Richmond, TX 77469

Engineer:

Kelly R. Kaluza & Associates, Inc.

Page 1 of 1

Project: Golfview Drive (Mobility Project No. 709)

Regional Drainage Facility, Phase 2. Paving and Drainage Improvements, County of Fort Bend, Richmond, Texas

Report Date:

05/13/2016

Report No:

171 Version 5

Test Date: Technician: 05/13/2016 Adelagun, Jeff

Subject: Sample Pick Up

A GET Technician was dispatched to the above the following:

Sample pick up - A sample of lime slurry was picked up Description. ab a at a string to evaluate the percent solids. The sample obtained was:

Sample No:

16-353

Charge: Fort Bend County c/o Schaumburg & Polk Attn: Mr. Wesley Crawford

Invoice: 16-5-000079 Charges for this Report Quantity **Billing Code** Description **Unit Price** Unit Amount 7,00 10700 Technician ACI \$65.00 hour \$455.00 0.50 10900 Project Engineer Review \$183.00 \$91.50 Hour 7.00 11160 Vehicle (Pick-up Truck) Charge \$10.00 \$70.00 hour 92601 Percent Solids in Lime Slurry 1.00 \$43.00 \$43.00 each \$659.50

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REPORT CREATED BY EIMTree SYSTEM





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800 Victoria Drive ● Houston, Texas 77022-2908 ● Tel: 713-699-4000 ● Fax: 713-699-9200 ● Website: www.geotecheng.com

Report On: General Report

Work Order: 3888

Project No: 15-2011

Client: Fort Bend County c/o Schaumburg & Polk

Mr. Wesley Crawford

Fort Bend c/o Shaumburg & Polk 301 Jackson Street, Suite 400 Richmond, TX 77469

Engineer:

Kelly R. Kaluza & Associates, Inc.

Page 1 of 1

Project: Golfview Drive (Mobility Project No. 709)

Regional Drainage Facility, Phase 2, Paving and Drainage Improvements, County of Fort Bend, Richmond, Texas

Report Date:

05/17/2016

Report No:

172 Version 5

Test Date: Technician: 05/17/2016

an: Adelagun, Jeff

Subject: Concrete testing and Field Gradation

A GET Technician was dispatched to the above tranced project site to conduct the following:

Concrete testing - One (1) set of four (4) cylinders were set from the concrete mix placed for driveway/ walkway. Field tests were performed on slump concrete air content, concrete testing and ambient temperature.

Field Gradation- Gradation of the stabilized subgrade soils was performed and esults are shown in the included page.

[nvoice: 16-5-00	0079	Charges for this Report			
Quantity	Billing Code	Description	Unit Price	Unit	Amount
8.00	10700	Technician ACI	\$65.00	hour	\$520.00
2.00	10700-2	Technician ACI - OT	\$97.50	hour	\$195.00
0.50	10900	Project Engineer Review	\$183.00	Hour	\$91.50
8.00	11160	Vehicle (Pick-up Truck) Charge	\$10.00	hour	\$80.00
4.00	30100	Compressive Strength Cyliner Test hold each ASTM	\$17.00	each	\$68.00
		•		Total:	\$954.50





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800 Victoria Drive ● Houston, Texas 77022-2908 ● Tel: 713-699-4000 ● Fax: 713-699-9200 ● Website: www.geotecheng.com

Report On: General Report

Work Order: 3900

Project No: 15-2011

Client: Fort Bend County c/o Schaumburg & Polk

Mr. Wesley Crawford

Fort Bend c/o Shaumburg & Polk 301 Jackson Street, Suite 400 Richmond, TX 77469

Engineer:

Kelly R. Kaluza & Associates, Inc.

Page 1 of 1

Project: Golfview Drive (Mobility Project No. 709)

Regional Drainage Facility, Phase 2, Paving and Drainage Improvements, County of Fort Bend, Richmond, Texas

Report Date:

05/18/2016

Report No:

173 Version 3

Test Date: Technician: 05/18/2016 Adelagun, Jeff

Subject:

A GET Technician was dispatched to the above segrenced project site to conduct the following:

- Concrete testing One (1) set of four (4) cylinders were set from the concrete mix placed for driveway. Field tests were performed on slump, concrete temperature, and ambient temperature.
- Compaction testing Compaction tests were properly and on subgrade. Based on the field test results, the percent compaction values obtained met or exceeded 95% of the field test results, the percent compaction values obtained met or exceeded 95% of the field test results, the percent compaction values obtained met or exceeded 95% of the field test results, the percent compaction values obtained met or exceeded 95% of the field test results, the percent compaction values obtained met or exceeded 95% of the field test results, the percent compaction values obtained met or exceeded 95% of the field test results, the percent compaction values obtained met or exceeded 95% of the field test results.
- Sample pick up A sample of limestone base was picked up for laborator to evaluate the proctor value.
 The sample obtained was:

Sample No:

Location:

Description:

16-355

2209 Dowling

Lime stone Base

Invoice: 16-5-000	0079	Charges for this Report			
Quantity	Billing Code	Description	Unit Price	Unit	Amount
8.00	10700	Technician ACI	\$65.00	hour	\$520.00
1.00	10700-2	Technician ACI - OT	\$97.50	hour	\$97.50
0.50	10900	Project Engineer Review	\$183.00	Hour	\$91.50
8.00	11160	Vehicle (Pick-up Truck) Charge	\$10.00	hour	\$80.00
4.00	30100	Compressive Strength Cyliner Test hold each ASTM	\$17.00	each	\$68.00
1.00	92300	OMD Standad Compaction	\$204.00	each	\$204.00
8.00	95100	Nuclear Density Equipment Rental	\$10.50	hour	\$84.00
				Total:	\$1,145.00





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Report On: General Report

Work Order: 3917

Project No: 15-2011

Client: Fort Bend County c/o Schaumburg & Polk

Mr. Wesley Crawford

Fort Bend c/o Shaumburg & Polk 301 Jackson Street, Suite 400 Richmond, TX 77469

Richmond, IX 77469

Engineer: Kelly R. Kaluza & Associates, Inc.

Page 1 of 1

Project: Golfview Drive (Mobility Project No. 709)

Regional Drainage Facility, Phase 2, Paving and Drainage Improvements, County of Fort Bend, Richmond, Texas

Report Date:

05/20/2016

Report No:

174 Version 3 05/20/2016

Test Date: Technician:

Perez, Jorge

Subject: Concrete Testing and Cylinder Pick Up

A GET Technician was dispatched to the above project site to conduct the following:

- Concrete testing One (1) set of four (4) cylinders were the test of the concrete mix placed for curb. Field tests were performed on slump, concrete air content, concrete temperature and any bient temperature.
- Cylinder pick up Four (4) concrete cylinder applies, which were made on 5-65, were picked up. The samples were brought to the laboratory for curing and compressive strength testing at designated dates.

Invoice: 16-5-006	0079	Charges for this Report			
Quantity	Billing Code	Description	Unit Price	Unit	Amount
5.00	10700	Technician ACI	\$65.00	hour	\$325.00
0.50	10900	Project Engineer Review	\$183.00	Hour	\$91.50
5.00	11160	Vehicle (Pick-up Truck) Charge	\$10.00	hour	\$50.00
4.00	30100	Compressive Strength Cyliner Test hold each ASTM	\$17.00	each	\$68.00
				Total:	\$534.50