



ATTACHMENT I

GEOTECHNICAL ENGINEERING STUDY

ESTIMATE WORKSHEET FOR: Southfork Drainage Lateral Improvement - Pharr, Texas

Date: Tuesday, August 12, 2014

TO: Hidalgo County Urban County Program PROPOSAL NO.: PMA14-051-00a
427 E. Duranla Avenue, Suite 107
Alamo, Texas 78516

ATTN: Ms. Diana R. Serna, Director

Number	Depth	Soil	Rock	Cost
			0	0
			0	0
			0	0
			0	0
			0	0
			0	0
			0	0
Totals			0	0

FIELD OPERATIONS

Trip Charge
 Technician Time Sampling

QUANTITY	UNIT PRICE	TOTAL
1 ea.	\$48.00	\$48.00
3 hrs.	\$45.00	\$135.00

Field Operations Subtotal: **\$181.00**

LABORATORY TESTS

Moisture-Density Relationship (Proctor)
 Atterberg Limits Determinations (P.I.) (ASTM/AASHTO)
 Sieve Analysis -200
 Molding Controlled Proccdsed Material
 Unconfined Compressive Strength Testing
 Sulfate Content*

QUANTITY	UNIT PRICE	TOTAL
1 ea.	\$214.75	\$214.75
1 ea.	\$78.50	\$78.50
1 ea.	\$53.00	\$53.00
0 ea.	\$73.50	\$661.50
9 ea.	\$33.75	\$303.75
10 ea.	\$88.50	\$885.00

Laboratory Testing Subtotal: **\$2,178.50**

ENGINEERING AND REPORT

Geotechnical Engineer (PE)
 Jr. Geotechnical Engineer (EIT)
 Secretary/Word Processor (NS)

QUANTITY	UNIT PRICE	TOTAL
1 hrs.	\$161.00	\$161.00
2 hrs.	\$110.00	\$220.00
3 hrs.	\$40.00	\$147.00

Engineering and Report Writing Subtotal: **\$528.00**

TOTAL: \$2,885.50

*The laboratory test not included in the Contract. This test is to be conducted to determine the concentration of soluble sulfates in the embankment fill soils.

