

PO # 169600
ams rec 477481

ARCHITECTURE
ENGINEERING
INTERIORS
PLANNING

PGAL

FORT BEND COUNTY

OWENS ROAD SEGMENT 2

INVOICE No.1
SERVICES FOR NOTICE TO PROCEED TO DECEMBER 31, 2018

ALEXANDRIA
ATLANTA
AUSTIN
BOCA RATON
CHICAGO
DALLAS
HOBOKEN
HOUSTON
LAS VEGAS
LOS ANGELES

TASK	CONTRACT AMOUNT	% COMPL.	TOTAL AMOUNT	PREVIOUSLY INVOICED	TOTAL THIS INVOICE
PRELIMINARY ENGINEERING	\$ 61,128.00	40.0%	\$ 24,451.20	\$ -	\$ 24,451.20
FINAL DESIGN	\$ 124,108.00	0.0%	\$ -	\$ -	\$ -
TOPOGRAPHIC SURVEYS	\$ 28,050.00	90.0%	\$ 25,245.00	\$ -	\$ 25,245.00
ROW MAPS	\$ 31,700.00	0.0%	\$ -	\$ -	\$ -
TRAFFIC ENGINEERING	\$ 8,238.00	0.0%	\$ -	\$ -	\$ -
SIGNAL DESIGN	\$ 34,417.50	0.0%	\$ -	\$ -	\$ -
GEOTECHNICAL INVESTIGATIONS	\$ 22,274.50	58.5%	\$ 13,023.00	\$ -	\$ 13,023.00
CONSTRUCTION PHASE SERVICES	\$ 25,000.00	0.0%	\$ -	\$ -	\$ -
TOTAL	\$ 334,916.00		\$ 62,719.20	\$ -	\$ 62,719.20

TOTAL THIS INVOICE

\$ 62,719.20

OK, JBS

01/18/19



December 31, 2018

Mr. Richard Stolleis, PE
County Engineer
Fort Bend County Engineering Department
301 Jackson Street, 4th floor
Richmond, Texas 77469

Attention: Stacy Slawinski, PE

Ref: Owens Road Segment 2; Invoice No.1

Dear Stacy:

The following is our status report for the Owens Road Segment 2 project for the period of Notice to Proceed to December 31, 2018:

Work completed during reporting period

- Completed topographic surveys.
- Completed Geotechnical Investigations.
- Secured and evaluated as-built plans.
- Initiated utility coordination.
- Initiated coordination with TxDOT.
- Developed preliminary layout, typical sections and detention pond layout.
- Developed overall drainage area map.
- Met with County to review progress and developed alternative layout based on comments.

Work planned for coming month

- Complete alignment once it is evaluated and approved by County.
- Develop proposed roadway profile and initiate storm sewer design.
- Develop plans and exhibits for preliminary engineering report.
- Initiate preparation of preliminary engineering report.

Issues to be resolved

- Waiting on county review and acceptance of revised roadway layout.

Sincerely,

A handwritten signature in blue ink, appearing to read "Georghiou", written in a cursive style.

Costas Georghiou. P.E.
Principal

TEJAS SURVEYING, INC
1810 First Oaks St., Suite 220
Richmond, TX 77406-1666

Firm No. 10031300

Bill to:

Pierce Goodwin Alexander & Linville, Inc.
 3131 Briarpark
 Suite 200
 Houston, TX 77042

Attn: Costas Georghiou

INVOICE

Date	Invoice #
11/30/2018	1005111

P. O. No.	Terms	Project
	45	61-1803

Quantity	Description	Rate	Amount
	Fort Bend County Mobility Fund Project 2017 4-07 Owens Road: FM 1464 to Sugar Land City Limits Fort Bend County, Texas First Invoice		
90%	Topographic Route Survey Non-Taxable	\$22,350.00	\$20,115.00
90%	Detention Pond and Oyster Creek Topo Sections Non-Taxable	\$5,700.00	\$5,130.00
	Billing thru 11-30-2018		
	Sales Tax	6.25%	
Thank you for your attention to this matter.			Total \$25,245.00

Ph: 281 240-9099

Fax: 281 240-2791

Email: rsm@mrsurveyor.com



GEOTECH ENGINEERING and TESTING

Geotechnical, Environmental, Construction Materials, and Forensic Engineering



ACCREDITED
CERTIFICATE #0075-01
#0075-02

PARTIAL INVOICE

(10/03/18 through 11/30/18)

Please show invoice number on your remittance

TO: PGAL

3131 Briarpark Drive, Suite 200
Houston, Texas 77042

INVOICE DATE: 11-30-18

PROJECT NO: 18-387E

ATTENTION: Mr. Costas Georghiou, P.E.
Principal

INVOICE NO: 30083

PROJECT: Desktop Geologic Fault Study
and Geotechnical Study
Owens Road Paving Improvements
Fort Bend County, Texas

PHONE #: (713) 968-9351

EMAIL: cgeorghiou@pgal.com

PROJECT ENGINEER:
Steve Tian, M.S.C.E, E.I.T.

AUTHORIZATION: This study was authorized by Mr. Costas Georghiou, P.E. on October 03, 2018.

BILLING STATUS

Authorized Total Project Budget: \$ 22,274.50

GET Project No.	Invoice No.	Date	Authorized Project Budget	Amount for This Invoice	Percent of Authorized Project Budget to Date	Remaining Budget to Date
18-387E	30083	11/30/18	\$ 22,274.50	\$ 13,023.00	58.47 %	\$ 9,251.50

AMOUNT DUE FOR THIS INVOICE: \$ 13,023.00

SERVICE	UNIT FEE	UNIT MEASURE	QUANTITY	TOTAL
Geotechnical Study (Total Project Budget: \$ 22,274.50)				
Field Investigation				
Mobilization/Demobilization				
Drilling, Sampling, and Lab Testing				
(58.47% of Total Project Budget)				\$ <u>13,023.00</u>

Total Due \$ 13,023.00

Page 2 – Invoice No. 30083

REMIT TO: DAE & ASSOCIATES, LTD.
dba GEOTECH ENGINEERING AND TESTING
17407 US Highway 59
HOUSTON, TEXAS 77396
(713) 699-4000

Conditions: Invoice is due on presentation.

Distribution: DAE, Accounting (hard copy), Job Binder

CC: PGAL. – Mr. Costas Georghiou, P.E.

Estimated Cost Summary (Detailed)

Desktop Geologic Fault Study and Geotechnical Study
Owens Road Paving Improvements
Fort Bend County, Texas

Date: 11/30/2018
Invoice No. 30083

GEOTECH ENGINEERING AND TESTING		Consultant Proposal Breakdown																		Geotech Engineering and Testing		
Date	November 30, 2018	Principal Engineer		Senior Engineer		Graduate Engineer		Field Technician		Typing/Drafting		Unit of Measure		Estimated Quantity		Rate				Proposed	Used	Previously
PER HARRIS COUNTY FEE SCHEDULE		Proposed	Used	Proposed	Used	Proposed	Used	Proposed	Used	Proposed	Used	Proposed	Used	Proposed	Used	Proposed	Used	Proposed	Used	Proposed	Used	Previously
Task No		Task Description																				
		* LEVEL OF EFFORT																				
		Desktop Geologic Fault Study																				
1		Review of Existing Published Fault Maps by Staff Engineer																				
2		Pricing																				
				0.5	0.5	1	1													\$303.00	\$303.00	\$0.00
																				\$175.50	\$175.50	\$0.00
		Subtotal																		\$478.50	\$478.50	\$0.00
		Project Initiation upon Receiving NTP																				
3		Review of the scope of the work (including Project Manager Site Visit)																				
4		Coordinate with Client in obtaining the updated information of the project																				
		2	2	4	4	4	4													\$1,412.00	\$1,412.00	\$0.00
						1	1													\$101.00	\$101.00	\$0.00
		Field Investigation																				
5		Develop a Drilling Plan																				
6		Staking the Nine (9) Borings in the Field																				
7		Vehicle Charge																				
8		Coordinate with Surveyors to Locate & Tie in Borings at Site																				
9		Field Coordination during Drilling including Utility Clearance, Texas One Call, and/or obtain drilling permission																				
10		Mobilization / Demobilization																				
11		Drilling and Sampling Nine (9) Borings																				
12		Continuous (C - 15')																				
13		Technician Logging Borings, Borehole cleaning and Water Level Reading																				
14		Vehicle Charge																				
								18	18			HR	HR	7.5	7.5	\$10.00	\$10.00			\$101.00	\$101.00	\$0.00
																				\$757.50	\$757.50	\$0.00
																				\$75.00	\$75.00	\$0.00
																				\$101.00	\$101.00	\$0.00
																				\$707.00	\$707.00	\$0.00
												LS	LS	1	1	\$349.00	\$349.00			\$349.00	\$349.00	\$0.00
												LF	LF	135	135	\$21.00	\$21.00			\$2,835.00	\$2,835.00	\$0.00
																				\$1,170.00	\$1,170.00	\$0.00
																				\$180.00	\$180.00	\$0.00
		Subtotal																		\$7,788.50	\$7,788.50	\$0.00
		Laboratory Testing																				
15		Assign Laboratory Tests, Looking at Soil Samples																				
16		Data Reduction and Evaluation																				
17		Water Content																				
18		Liquid and Plastic Limits																				
19		Percent Passing #200 Sieve																				
20		Torvane																				
21		Hand Penetrometer																				
22		Unconfined Compression																				
23		Crumb Test																				
24		Double Hydrometer Tests																				
												EA	EA	27	27	\$9.00	\$9.00			\$101.00	\$101.00	\$0.00
												EA	EA	13	13	\$62.00	\$62.00			\$806.00	\$806.00	\$0.00
												EA	EA	13	13	\$48.00	\$48.00			\$624.00	\$624.00	\$0.00
												EA	EA	68	68	\$4.00	\$4.00			\$272.00	\$272.00	\$0.00
												EA	EA	68	68	\$3.00	\$3.00			\$204.00	\$204.00	\$0.00
												EA	EA	13	13	\$45.00	\$45.00			\$585.00	\$585.00	\$0.00
												EA	EA	4	4	\$33.00	\$33.00			\$132.00	\$132.00	\$0.00
												EA	EA	2	2	\$152.00	\$152.00			\$304.00	\$304.00	\$0.00
		Subtotal																		\$3,675.00	\$3,675.00	\$0.00

Estimated Cost Summary (Detailed)
Desktop Geologic Fault Study and Geotechnical Study
Owens Road Paving Improvements
Fort Bend County, Texas

Date: 11/30/2018
 Invoice No. 30083

GEO TECH ENGINEERING AND TESTING				Consultant Proposal Breakdown												Geotech Engineering and Testing			
DATE:	November 30, 2018	Principal Engineer		Senior Engineer		Graduate Engineer		Field Technician		Typing/ Drafting		Unit of Measure		Estimated Quantity		Rate			
PER HARRIS COUNTY FEE SCHEDULE				Proposed				Used				Proposed				Used			

Engineering Analysis and Report																			
25	Prepare Plan of Soings																		
26	Analyze Field and Laboratory Test Results																		
27	Prepare Summary of Laboratory Test Data																		
28	Est and Prepare Final Soing Log Profiles																		
29	Prepare and Develop Soil Stratigraphy Profiles																		
30	Develop concrete pavement design based on traffic loading	0.5	0.5	1	1	6	6												
31	Reinforcing bars on underground utilities																		
32	OSHA soil classification for the trench safety and Trench Safety	2	2	3	3	6	6												
33	Document the results of soil exploration, laboratory testing and geotechnical	2	2	5.5	5.5	16	16												
34	Responding to comments from PG&E	1	1	2	2	6	6												
35	Testimonial Typing/Editing									5	5								
36	Reprint Reproduction Allowance																		
Subtotal																\$9,251.50	\$0.00	\$0.00	
Total																\$9,251.50	\$0.00	\$0.00	

ALLOWANCE ITEMS																			
Project Allowance - ATVSig																			
37	ATV Mobile Surveillance											LS	LS	1	1	\$135.00	\$135.00	\$135.00	\$0.00
38	ATV Drive Surveillance											LS	LS	1.05	1.05	\$7.00	\$7.00	\$7.00	\$0.00
Subtotal																\$1,081.00	\$1,081.00	\$0.00	
Total																\$1,081.00	\$1,081.00	\$0.00	
Grand Total																\$22,274.50	\$13,023.00	\$0.00	



December 31, 2018

Mr. Richard Stolleis, PE
County Engineer
Fort Bend County Engineering Department
301 Jackson Street, 4th floor
Richmond, Texas 77469

Attention: Stacy Slawinski, PE

Ref: Owens Road Segment 2; Invoice No.1

Dear Stacy:

Attached please find our Invoice No. 1 for your review and processing. The invoice, in the amount of \$62,719.20, covers the period from Notice to Proceed to December 31, 2018.

Please let me know if you have any questions or comments.

Sincerely,

A handwritten signature in blue ink, appearing to read "Costas", with a stylized flourish extending to the right.

Costas Georghiou, PE
Project Principal

Svatek, Donna

From: Robert Barnett <rbarnett@lja.com>
Sent: Thursday, January 17, 2019 4:15 PM
To: ENGInvoices
Cc: 'Costas Georghiou'; Robert McBride
Subject: FW: Owens Road Segment 2; Invoice No. 1
Attachments: Owens Road Segment 2, Invoice no. 1.pdf

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Donna,
LJA has reviewed the attached Invoice for Owens Road (17407) and we concur with the charges shown.

Regards,

Robert W. Barnett, P.E.
Vice President/Transportation

LJA Engineering | We Build Civilization

• West Houston

P: 713.953.5200

D: 713.953.5248

C: 281.615.9683

www.ljaengineering.com

[Facebook](#) • [Twitter](#) • [LinkedIn](#)

From: Costas Georghiou <CGeorghiou@pgal.com>
Sent: Thursday, January 17, 2019 3:44 PM
To: ENGInvoices@fortbendcountytexas.gov
Cc: Robert Barnett <rbarnett@lja.com>; Robert McBride <rmcbride@lja.com>
Subject: Owens Road Segment 2; Invoice No. 1

Attached please find Invoice No. 1 for your review and processing.

Regards,

Costas



COSTAS GEORGHIOU PE
Principal

ALEXANDRIA T 703 836 0588	AUSTIN T 512 236 1005	CHICAGO T 312 856 5006	HOBOKEN T 201 984 6210	LAS VEGAS T 702 435 4448	SAN DIEGO T 619 269 5288
ATLANTA T 404 602 3800	BOCA RATON T 561 988 4002	DALLAS T 972 871 2225	HOUSTON T 713 622 1444	LOS ANGELES T 310 645 3276	