

STATE OF TEXAS §
 §
COUNTY OF FORT BEND §

**AMENDMENT TO AGREEMENT FOR
PROFESSIONAL ENGINEERING SERVICES**

THIS AMENDMENT, is made and entered into by and between Fort Bend County (hereinafter “County”), a body corporate and politic under the laws of the State of Texas, and BGE, Inc. (hereinafter “Contractor”), a company authorized to conduct business in the State of Texas.

WHEREAS, the parties executed and accepted that certain Agreement for Professional Engineering Services on June 4, 2019 pursuant to SOQ 14-025, (hereinafter “Agreement”); and

WHEREAS, the parties desire to amend the Agreement to allow Contractor to provide additional Services under the Agreement.

NOW, THEREFORE, the parties do mutually agree as follows:

1. County shall pay Contractor an additional amount not to exceed forty-two thousand three hundred forty-nine dollars and 18/100 (\$42,349.18) to perform the additional Services, as described in Contractor’s proposal dated April 24, 2020 attached hereto as Exhibit “A” and incorporated herein for all purposes.
2. The Maximum Compensation payable to Contractor for all Services rendered is hereby increased to an amount not to exceed two hundred seventy-nine thousand three hundred seven dollars and 03/100 (\$279,307.03), authorized as follows:
 \$236,957.85 under the Agreement; and
 \$42,349.18 under this Amendment.
3. In no case shall the amount paid by County for all Services under the Agreement and this Amendment exceed the Maximum Compensation without an agreement executed by the parties.
4. BY ACCEPTANCE OF AGREEMENT, CONTRACTOR ACKNOWLEDGES THAT THE COUNTY IS OPPOSED TO HUMAN TRAFFICKING AND THAT NO COUNTY FUNDS WILL BE USED IN SUPPORT OF SERVICES OR ACTIVITIES THAT VIOLATE HUMAN TRAFFICKING LAWS.

Except as provided herein, all terms and conditions of the Agreement shall remain unchanged.

IN WITNESS WHEREOF, the parties hereto have signed or have caused their respective names to be signed to multiple counterparts to be effective on the date signed by the final party.

FORT BEND COUNTY

BGE, INC

KP George, County Judge



Authorized Agent – Signature

Date

Jason Ellison, P.E.

Authorized Agent – Printed Name

ATTEST:

Roadway Group Manager

Title

Laura Richard, County Clerk

7/20/2020

Date

APPROVED:

J. Stacy Slawinski, P.E., County Engineer

APPROVED AS TO LEGAL FORM:

Marcus D. Spencer, First Assistant County Attorney

AUDITOR'S CERTIFICATE

I hereby certify that funds are available in the amount of \$ _____ to accomplish and pay the obligation of Fort Bend County under this contract.

Robert Ed Sturdivant, County Auditor

EXHIBIT A



Date: April 24, 2020

Robert W. Barnett, P.E.
C/O Fort Bend County Engineering
Vice President
LJA Engineering, Inc.
2929 Briarpark Drive Suite 600
Houston, TX

Reference: FBC 17404 & 17413 - Intersection Improvements (Voss Rd at Old Richmond Rd.
and Voss Rd. at SH 6)
Fort Bend County 2017 Mobility Bond Program

Subject: Contract Amendment to PO 178703
Supplemental Agreement No. 1 for Preliminary Engineering, Final Engineering,
Bidding & Construction Phase Services

Dear Mr. Barnett,

Enclosed are BGE, Inc.'s proposed budget, manpower and direct expense breakdown and scope of services for additional Preliminary Engineering, Final Engineering, Bidding and Construction Phase Services for the above referenced project which will include:

- Additional survey in Duhacsek Park west of Old Richmond Rd.
- Illumination design and plans at Voss and Old Richmond Rd
- Divide project into separate bid packages

BGE, Inc.'s proposed budget for the referenced project includes:

Phase 1 – Supplement Survey (Lump Sum Payment Basis)	\$3,020.00
Phase 2 – Final Design Services (Lump Sum Payment Basis)	\$26,305.18
Phase 3 – Bidding & Construction Phase Services (Time & Materials Payment Basis)	\$13,024.00
Total Proposed Fee	\$42,349.18

A detailed scope of services and level of effort are attached. Please contact me if you have any questions or require additional information.

Sincerely,

Jason Ellison, P.E.
Roadway Group Manager

**2017 Mobility Bond Program
Scope of Services
(BGE, Inc.)
Supplemental Agreement No. 1**

Scope of Work – the project generally includes roadway and intersection reconstruction, turn lane construction, signal modification or construction, drainage improvements, signing, striping, and SWPPP for the following project locations:

1. **Project 4-04 (Voss Rd. at SH 6)**: Proposed right turn lane and existing signal modification at the intersection of Voss Rd. at SH 6. Construct right turn lane from eastbound Voss Rd. to southbound SH 6. ROW acquisition is anticipated.
2. **Project 4-13 (Voss Rd at Old Richmond Rd)**: Proposed 2-lane roundabout at the intersection of Voss Rd & Old Richmond Rd. Rework roadway connection at each end of the roundabout.

Scope of Services – the Engineer (Design Consultant) shall perform supplemental design, engineering, and construction phase services according to the following detailed scope. The Engineer shall develop the projects in collaboration with the Project Manager firm, who is also under contract with the County.

Construction Packages - Projects 4-04 and 4-13 will be split into two construction packages.

PRELIMINARY DESIGN

Survey

Prepare a planimetric survey for additional areas within the City of Sugarland Duhacsek Park on the west side of Old Richmond Rd. according to deliverable requirements in the original contract agreement. The survey will encompass an area approximately 0.4 acres to facilitate design of a new drainage ditch.

FINAL DESIGN

Illumination Plans

Prepare illumination designs at the Voss and Old Richmond Rd intersection (project 4-13) in accordance with Fort Bend County standards, the TMUTCD, and additional documents listed in the original contract.

Illumination Design Deliverables

- Illumination Design Plans (Lighting General Notes, Proposed Layout, Details, Electrical Schedule)

BID AND CONSTRUCTION PHASE SERVICES

Bid Phase

Upon completion of final design services, the County will determine an advertisement and bid opening schedule. All administrative project manual

2017 Mobility Bond Program
Scope of Services
(BGE, Inc.)
Supplemental Agreement No. 1

documents (cover page, Notice to Bidders, etc.) will be prepared by the County and provided to the Design Consultant in PDF format.

The Design Consultant will compile two separate project manual files, one for each bid package, in PDF format consisting of:

- Administrative documents
- The bid form (prepared by the Design Consultant)
- A sealed specification table of contents
- Applicable specifications and documents

The Design Consultant will prepare a single file in PDF format for each of the entire drawing sets. Except for the cover sheet, which contains approval signature(s), all drawings may be printed directly to Adobe Acrobat format with electronic seal and signature.

The Design Consultant will prepare 27 compact discs, each with one project manual file and one drawing file. Of these, 25 compact discs will be delivered to the County Purchasing Agent for advertising, and two discs will be provided to the Project Manager. Printed documents are not required.

The Design Consultant will attend a pre-bid meeting at the County Purchasing Office. It is not necessary to prepare for the meeting, other than to be able to briefly describe the project.

The Purchasing Agent will forward bidder questions to the Design Consultant. Answers to questions, as well as any other required changes, will be included in an addendum, prepared by the Design Consultant if necessary. The Purchasing Agent will distribute the addendum.

After the bid, the Project Manager will prepare a bid tabulation and provide a copy to the Design Consultant for filing.

Construction Phase

The Design Consultant will attend a separate pre-construction meeting with County staff, Project Manager, general contractor, and construction materials testing contractor for each project. Prior to the meeting, the Project Manager will inform the Design Consultant of how many drawing and project manual sets are required, and the Design Consultant will provide these documents at the pre-construction meeting.

The Design Consultant will be responsible for reviewing contractor submittals and responding to Requests for Information.

**2017 Mobility Bond Program
Scope of Services
(BGE, Inc.)
Supplemental Agreement No. 1**

Field visits and progress meetings will not be required. The Design Consultant will participate in a substantial completion walkthrough for each project.

After project completion, the Design Consultant will prepare record drawings for each project based on contractor as-built markups. The record drawings may be printed on paper and delivered to the County.

All bid and construction phase services will be paid on a time-and-materials basis. The not-to-exceed fee for these services will be determined by the County and/or its Project Manager and the Design Consultant. Monthly billing will include a breakdown of hours spent by personnel in the various employee categories, at billing rates agreed to by the County and the Design Consultant.

CONTRACT ADMINISTRATION

Manage professional contract, develop and maintain a project schedule, prepare and manage subconsultant contracts, perform project administration, progress reports, and correspondence. Coordinate with and attend meetings with the Project Management firm and the County. Prepare, distribute, and retain correspondence. Document project discussions via phone calls or conference calls as required.

EXCLUSIONS

Exclusions are as stated in the original contract agreement.

FEE SCHEDULE

Fort Bend County 2017 Mobility Bond Program
 Intersection Improvements (Voss Rd & Old Richmond Rd.,
 & Voss Rd. at SH 6
 Project No. 4-04 and 4-13
 PRIME PROVIDER: BGE, Inc.

FIRM SUMMARY		
Firm	Amount	Percent
BGE, Inc.	\$ 42,349.18	100.0%
Geoscience Engineering & Testing, Inc.	\$ -	
Total	\$ 42,349.18	100.0%

SUMMARY BY CONTRACT PHASE				
	Firm		Geoscience Engineering & Testing, Inc. (Geotechnical)	Total
Projects 4-04, 4-13				
LUMP SUM PAYMENT BASIS				
Preliminary Design (Engineering)	\$ -			\$ -
Preliminary Design (Survey & ROW Mapping)	\$ 3,020.00			\$ 3,020.00
Final Design	\$ 22,044.80			\$ 22,044.80
Contract Administration	\$ 4,032.00			\$ 4,032.00
DIRECT EXPENSES	\$ 228.38			\$ 228.38
TOTAL (LUMP SUM PAYMENT BASIS)	\$ 29,325.18		\$ -	\$ 29,325.18
TIME AND MATERIALS PAYMENT BASIS				
Bid and Construction Phase Services	\$ 13,024.00			\$ 13,024.00
TOTAL (TIME & MATERIALS PAYMENT BASIS)	\$ 13,024.00		\$ -	\$ 13,024.00
GRAND TOTAL	\$ 42,349.18		\$ -	\$ 42,349.18

FEE SCHEDULE
(LUMP SUM AND TIME & MATERIALS PAYMENT BASIS)

Fort Bend County 2017 Mobility Bond Program
 Intersection Improvements (Voss Rd & Old Richmond Rd.,
 and Voss Rd. at SH 6)
 Project No. 4-04, 4-13
SUMMARY OF SCOPE - Engineering

PRIME PROVIDER: BGE, Inc.

TASK DESCRIPTION	PROJECT MANAGER	SENIOR ENGINEER	PROJECT ENGINEER	DESIGN ENGINEER	ENGINEER IN TRAINING	SENIOR CADD OPERATOR	CADD OPERATOR	ADMIN/ CLERICAL	TOTAL HRS. & COSTS	COST PER TASK	NO OF SHTS	HRS PER SHT
CONTRACT RATE PER HOUR	\$ 192.00	\$ 160.00	\$ 144.00	\$ 128.00	\$ 108.80	\$ 102.40	\$ 80.00	\$ 73.60				
FINAL DESIGN (LUMP SUM PAYMENT BASIS)												

FEE SCHEDULE
(LUMP SUM AND TIME & MATERIALS PAYMENT BASIS)

Fort Bend County 2017 Mobility Bond Program
 Intersection Improvements (Voss Rd & Old Richmond Rd,
 and Voss Rd. at SH 6)
 Project No. 4-04, 4-13
SUMMARY OF SCOPE - Engineering

PRIME PROVIDER: BGE, Inc.

TASK DESCRIPTION	PROJECT MANAGER	SENIOR ENGINEER	PROJECT ENGINEER	DESIGN ENGINEER	ENGINEER IN TRAINING	SENIOR CADD OPERATOR	CADD OPERATOR	ADMIN/ CLERICAL	TOTAL HRS. & COSTS	COST PER TASK	NO OF SHTS	HRS PER SHT
CONTRACT RATE PER HOUR	\$ 192.00	\$ 160.00	\$ 144.00	\$ 128.00	\$ 108.80	\$ 102.40	\$ 80.00	\$ 73.60				
Signing, Pavement Markings, Signals and TCP												
illumination Plans (Projects 4-13)	1		4	24	40	16	8		93	\$ 10,470.40	4	23
illumination Details (Projects 4-13)	1		4	4	8	8	4		29	\$ 3,289.60	1	29
HOURS SUB-TOTALS	2	0	8	28	48	24	12	0	122		5	
SUBTOTAL	\$384.00	\$0.00	\$1,152.00	\$3,584.00	\$5,222.40	\$2,457.60	\$960.00	\$0.00	\$13,760.00	\$13,760.00		

Fort Bend County 2017 Mobility Bond Program
 Intersection Improvements (Voss Rd & Old Richmond Rd.,
 and Voss Rd. at SH 6)
 Project No. 4-04, 4-13
SUMMARY OF SCOPE - Engineering

PRIME PROVIDER: BGE, Inc.

TASK DESCRIPTION	PROJECT MANAGER	SENIOR ENGINEER	PROJECT ENGINEER	DESIGN ENGINEER	ENGINEER IN TRAINING	SENIOR CADD OPERATOR	CADD OPERATOR	ADMIN/CLERICAL	TOTAL HRS. & COSTS	COST PER TASK	NO OF SHTS	HRS PER SHT
CONTRACT RATE PER HOUR	\$ 192.00	\$ 160.00	\$ 144.00	\$ 128.00	\$ 108.80	\$ 102.40	\$ 80.00	\$ 73.60				

Storm Water Pollution Prevention Plan (SWPPP)												
HOURS SUB-TOTALS	0	0	0	0	0	0	0	0	0	0	0	
SUBTOTAL	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0	

Final Design Plans												
Submittals (70%, 95%, 100%)												
Split Project into 2 Bid Packages												
Cost Estimate & Quantities		1	4	8	8						21	\$ 2,630.40
Standards			1	1	1						3	\$ 332.80
Specifications Table		1	1	2	4						7	\$ 960.00
General Notes			1	4	8						15	\$ 1,920.00
QA/QC		4	10								15	\$ 2,441.60
HOURS SUB-TOTALS	4	13	11	20	9	0	3	1	61		0	
SUBTOTAL	\$768.00	\$2,080.00	\$1,584.00	\$2,560.00	\$979.20	\$0.00	\$240.00	\$73.60	\$8,284.80		0	
SUBTOTAL FINAL DESIGN	\$1,152.00	\$2,080.00	\$2,736.00	\$6,144.00	\$6,201.60	\$2,457.60	\$1,200.00	\$73.60	\$22,044.80		0	

CONTRACT ADMINISTRATION (LUMP SUM PAYMENT BASIS)												
Additional Contract Admin for 2nd Project												
Develop and Maintain Project Schedule	1	1							2			\$ 352.00
Prepare and Manage Subconsultant Contracts									0			\$ -
Document Control for Project Admin, Progress Reports, & Corres	2	2	2	2					6			\$ 992.00
Conference Calls	1	2	4	4					7			\$ 1,088.00
Review Meetings and Documentation	2	4	4						10			\$ 1,600.00
HOURS SUB-TOTALS	6	9	10	0	0	0	0	0	25			
SUBTOTAL	\$1,152.00	\$1,440.00	\$1,440.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4,032.00			\$4,032.00

BID AND CONSTRUCTION PHASE SERVICES (TIME AND MATERIALS PAYMENT BASIS)												
Bid Phase												
Split Project into 2 Bid Packages												
Compile Project Manual	1		4		8				13			\$ 1,638.40
Prepare Bid Tabulation Form	1		4		8				13			\$ 1,638.40
Attend Pre-Bid Meeting	3	3	4	8					6			\$ 1,056.00
Addressing Bidder Questions	1		4	8					13			\$ 1,792.00
HOURS SUB-TOTALS	6	3	12	8	16	0	0	0	45		0	
SUBTOTAL	\$1,152.00	\$480.00	\$1,728.00	\$1,024.00	\$1,740.80	\$0.00	\$0.00	\$0.00	\$6,124.80		0	

Fort Bend County 2017 Mobility Bond Program
 Intersection Improvements (Voss Rd & Old Richmond Rd.,
 and Voss Rd. at SH 6)
 Project No. 4-04, 4-13
SUMMARY OF SCOPE - Engineering

PRIME PROVIDER: BGE, Inc.

TASK DESCRIPTION	PROJECT MANAGER	SENIOR ENGINEER	PROJECT ENGINEER	DESIGN ENGINEER	ENGINEER IN TRAINING	SENIOR CADD OPERATOR	CADD OPERATOR	ADMIN/CLERICAL	TOTAL HRS. & COSTS	COST PER TASK	NO OF SHTS	HRS PER SHT
CONTRACT RATE PER HOUR	\$ 192.00	\$ 160.00	\$ 144.00	\$ 128.00	\$ 108.80	\$ 102.40	\$ 80.00	\$ 73.60				
Construction Phase												
Construction Phase Services for 2nd Project												
Pre Construction Meeting	3	3	4	8					6	\$ 1,056.00		
Review Contractor Submittals & RFIs	1		4						13	\$ 1,792.00		
Field Visits & Progress Meetings	2	2	4						8	\$ 1,280.00		
Completion Walkthrough		4	4						8	\$ 1,216.00		
Prepare Record Drawings			2		6	6			14	\$ 1,555.20		
HOURS SUB-TOTALS	6	9	14	8	6	6	0	0	49			
SUBTOTAL	\$1,152.00	\$1,440.00	\$2,016.00	\$1,024.00	\$652.80	\$614.40	\$0.00	\$0.00	\$6,899.20	\$6,899.20	0	
SUBTOTAL BID AND CONSTRUCTION PHASE SERVICES	\$2,304.00	\$1,920.00	\$3,744.00	\$2,048.00	\$2,393.60	\$614.40	\$0.00	\$0.00	\$13,024.00	\$13,024.00		
TOTAL HOURS	24	34	55	64	79	30	15	1	302			
CONTRACT RATE PER HOUR	\$ 192.00	\$ 160.00	\$ 144.00	\$ 128.00	\$ 108.80	\$ 102.40	\$ 80.00	\$ 73.60				
SUBTOTAL LABOR EXPENSES	\$ 4,608.00	\$ 5,440.00	\$ 7,920.00	\$ 8,192.00	\$ 8,595.20	\$ 3,072.00	\$ 1,200.00	\$ 73.60	\$39,100.80			
DIRECT EXPENSES												
MILEAGE	25	mile	\$ 0.535						TOTAL			
OVERNIGHT MAIL - OVERSIZED BOX	2	each	\$ 35.00						\$ 70.00			
CDs for Bidding 2nd package	27	each	\$ 5.00						\$ 135.00			
PHOTOCOPIES BW (11" X 17")		each	\$ 0.20						\$ -			
PHOTOCOPIES BW (8 1/2" X 11")	100	each	\$ 0.10						\$ 10.00			
PHOTOCOPIES COLOR (11" X 17")		each	\$ 1.25						\$ -			
PHOTOCOPIES COLOR (8 1/2" X 11")		each	\$ 0.65						\$ -			
PLOTS (COLOR ON BOND)		per sq. ft.	\$ 1.75						\$ -			
SUBTOTAL DIRECT EXPENSES									\$ 228.38			
TOTAL									\$39,329.18			

FEE SCHEDULE
(LUMP SUM PAYMENT BASIS)

Fort Bend County 2017 Mobility Bond Program
 Intersection Improvements (Voss Rd & Old Richmond Rd,
 and Voss Rd. at SH 6)
 Project No. 4-04, 4-13
SUMMARY OF SCOPE - Survey & ROW Mapping

PRIME PROVIDER: BGE, Inc.

TASK DESCRIPTION	RPLS - TASK LEADER	SENIOR SURVEY TECHNICIAN	SURVEY TECHNICIAN	ADMIN/ CLERICAL	Field Crew	TOTAL HRS. & COSTS	COST PER TASK
Topo Survey							
4-13 Voss Road - Roundabout	4	4	8	0	8	24	\$ 3,020.00
HOURS SUB-TOTALS	4	4	8	0	8	24	
SUBTOTAL	\$620.00	\$400.00	\$720.00	\$0.00	\$1,280.00	\$3,020.00	\$3,020.00

TOTAL HOURS	4	4	8	0	8	0	24.0
CONTRACT RATE PER HOUR	\$ 155.00	\$ 100.00	\$ 90.00	\$ 60.00	\$ 160.00	\$ -	
SUBTOTAL LABOR EXPENSES	\$ 620.00	\$ 400.00	\$ 720.00	\$ -	\$ 1,280.00	\$ -	\$3,020.00
DIRECT EXPENSES	QUANTITY	UNIT	RATE			TOTAL	
Abstractor			\$ 1,500.000				\$ -
SUBTOTAL OTHER DIRECT EXPENSES							\$ -
TOTAL							\$3,020.00