



16555 Southwest Freeway | Suite 200 | Sugar Land, TX 77479 | 281.500.6050

October 7, 2015

(Via Electronic Mail)

Dear Judge and Commissioners:

The Board of Directors of the Fort Bend Grand Parkway Toll Road Authority (the "Authority") reviewed the following item at their regular meeting held on September 16, 2015, and makes the following recommendation to Commissioners Court:

1. Approval of Supplemental Agreement No. 1 to Agreement of March 18, 2015 for Engineering Services Agreement for Fort Bend Grand Parkway Toll Road, Segment D.

A copy of the related document is attached. Please place this item for consideration by Commissioners Court on the agenda for the meeting scheduled on October 13, 2015.

As always, if you should have any questions regarding this matter, please don't hesitate to contact any member of the Board of Directors or the Authority's consultants.

Very truly yours,

A handwritten signature in blue ink that reads "Richard Muller / ave".

Richard Muller

Attorney for the Authority

4831-0782-1097, v. 1

**SUPPLEMENTAL AGREEMENT NO. 1
TO
AGREEMENT OF MARCH 18, 2015
FOR
ENGINEERING SERVICES AGREEMENT for
Fort Bend Grand Parkway Toll Road, Segment D**

This Supplemental Agreement is made and entered into this 16th day of September, 2015, and modifies the ENGINEERING SERVICES AGREEMENT made with Pierce Goodwin Alexander & Linville, Inc., dated March 18, 2015 for the design of turn lanes and other improvements along the Fort Bend Grand Parkway Toll Road (Segment D) from US 59 to north of the Fort Bend Westpark Tollway (FM 1093) in Fort Bend County, as amended.

The agreement is hereby modified as follows:

1. The first sentence of Section 2.a is replaced with the following sentence:

“The Maximum Compensation under this contract is \$276,975.48.”

2. The second paragraph of Section 2.a is replaced with the following paragraph:

“Compensation for performance of services within the Scope of Services described in Attachment A shall be in accordance with the billing rates shown in Attachment B. The compensation shall be increased by \$36,602.01, for the work shown in Exhibit A-1. The maximum amount payable under this agreement shall not exceed \$276,975.48. Progress payments for work detailed in Attachment A and Exhibit A-1 will be made when the Contractor has attained a level of completion equal to or greater than the agreed upon milestones of completion in the reasonable opinion of FBGPTRA.”

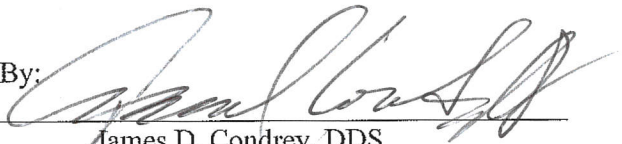
3. The Scope of Services shown in Attachment A shall be expanded to include Exhibit A-1, attached hereto.
4. The Compensation for Scope of Services shown in Attachment B shall be expanded to include Exhibit B-1, attached hereto.

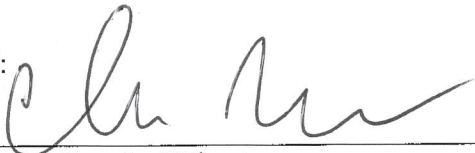
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Supplemental Agreement No. 1
To Agreement of March 18, 2015

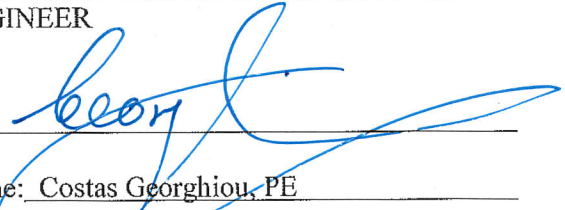
IN WITNESS WHEREOF, this Supplemental Agreement is hereby executed as of the date first set forth above.

FORT BEND GRAND PARKWAY TOLL
ROAD AUTHORITY, a local government Texas
Corporation

By: 
James D. Condrey, DDS
Chairman, Board of Directors

ATTEST: 
By _____
Secretary, Board of Directors

Pierce Goodwin Alexander & Linville, Inc.
ENGINEER

By: 
Name: Costas Georghiou, PE
Title: Principal

EFFECTIVE DATE

THIS AGREEMENT IS EFFECTIVE ON THE DATE IT IS APPROVED BY THE FORT BEND COUNTY COMMISSIONERS COURT, AND IF NOT SO APPROVED SHALL BE NULL AND VOID.

DATE OF COMMISSIONERS COURT APPROVAL: _____

AGENDA ITEM NO.: _____

EXHIBIT A-1

ATTACHMENT A

SUPPLEMENTAL AGREEMENT NO. 1

ADDITIONAL SCOPE OF SERVICES

FORT BEND GRAND PARKWAY TOLL ROAD (SH 99) – SEGMENT D

FM 1093 Turn lane and signal modification

The work to be performed by the Engineer under this supplemental agreement will consist of the following tasks:

Topographic surveys (Function code 150): Topo survey and map in 2D for northbound Grand Parkway frontage road intersection with FM 1093 and along FM 1093 between the northbound and southbound frontage roads. Survey will include curb lines, traffic signal poles and boxes, pedestrian signal poles and pedestrian ramps.

Slope stabilization (Function Code 160): Scope will include the preparation of plans and specifications for the stabilization of the existing concrete slope paving in the northwest corner of the southbound Grand Parkway frontage road and the westbound FM 1093.

Signal Design (Function Code 162): The additional signal design scope of services will consist of the following:

The scope of services that follows is supplemental to the Original scope. Accordingly, ETSI will design or provide the following:

- Additional field investigations to assess all existing signal equipment within the entire Quad interchange and its approaches.
- New conduits and wiring for the signal system within the entire Quad interchange. This includes new pull boxes. All existing signal poles and video detection equipment will remain functional during the rewiring process.
- Proposed new set back loop detectors to detect vehicles traveling at the posted speed limit. These will be installed on all approaches to the interchange with new wiring connections to the new controller.
- Proposed new controller foundation at 3 feet above ground.
- Proposed new Controller Cabinet Assembly, including new NEMA TS-2 controller and other equipment as required.
- Existing equipment to remain.
- Existing equipment to be removed.
- Existing equipment to be relocated.
- Existing equipment to be abandoned.
- Notes to contractor on how to implement the signal improvements while maintaining the existing signal in operation.

**EXHIBIT B-1
FEE SCHEDULE
METHOD OF PAYMENT - LUMP SUM
ATTACHMENT B**

Fort Bend Grand Parkway Toll Road
(Additional Survey; slope stabilization; additional signal design for FM 1093 signal)

SUMMARY OF COSTS

	Contract Fee	Additional Fee (Supp. Agree No. 1)	Total Contract Fee	% of Work
PGAL	\$155,350.30	\$12,243.00	\$167,593.30	60.5%
ETSI	\$45,396.85	\$20,846.01	\$66,242.86	23.9%
Landtech Consultants, Inc.	\$39,626.32	\$3,513.00	\$43,139.32	15.6%
TOTAL	\$240,373.47	\$36,602.01	\$276,975.48	100.0%

EXHIBIT B-1
FEE SCHEDULE
METHOD OF PAYMENT - LUMP SUM

PRIME PROVIDER NAME: PGAL
CONTRACT: Miscellaneous Design Services
PROJECT NAME: Fort Bend Grand Parkway toll road

TASK DESCRIPTION	PRINCIPAL	SR. PROJECT MANAGER	SR. ENGINEER I	PROJECT / SR. ENGINEER II	DESIGN ENGINEER	EIT	ENGINEERING TECHNICIAN	SR. CADD OPERATOR	CLERICAL	TOTAL LABOR HRS. & COSTS	NO OF DWGS	LABOR HRS PER SHEET
(ROADWAY) (FC 163)												
A. ADDITIONAL DRAWINGS												
1. Slope Stabilization	2	14	14			8		24		62	4	15.5
2. Specification		2	B							10		
HOURS SUB-TOTALS	2	16	22			B		24		72	4	
CONTRACT RATE PER HOUR	\$240.00	\$185.00	\$165.00	\$135.00	\$94.00	\$94.00	\$0.00	\$84.00	\$65.00	\$9,838.00		
TOTAL LABOR COSTS	\$480.00	\$2,960.00	\$3,630.00	\$0.00	\$0.00	\$752.00	\$0.00	\$2,016.00	\$0.00			
SUBTOTAL (FC 163)										\$9,838.00		
(MANAGING) (CONTRACTED SERVICES) (FC 164)												
1. Coordination with other Consultants		4	6	5						15	4	3.8
HOURS SUB-TOTALS	0	4	6	5						15	4	
CONTRACT RATE PER HOUR	\$240.00	\$185.00	\$165.00	\$135.00	\$94.00	\$94.00	\$0.00	\$84.00	\$65.00			
TOTAL LABOR COSTS	\$0.00	\$740.00	\$990.00	\$675.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,405.00		
SUBTOTAL (FC 164)										\$2,405.00		

DESCRIPTION	TOTAL MH BY FC	TOTAL COSTS BY FC
TOTALS BY FC (BASIC SERVICES)		
(ROADWAY) (FC 160)	72	\$9,838.00
(MANAGING) (CONTRACTED SERVICES) (FC 164)	15	\$2,405.00
SUBTOTAL LABOR EXPENSES (BASIC SERVICES)	87	\$12,243.00
SUBTOTAL DIRECT EXPENSES		\$0.00
SUBCONTRACTS: SUBCONSULTANT TOTALS ARE SHOWN ON SUMMARY		

PGAL BASIC SERVICES SUMMARY	
TOTAL LABOR COSTS FOR PGAL (includes multiplier)	\$12,243.00
NON-SALARY (OTHER DIRECT EXPENSES)	\$0.00
GRAND TOTAL	\$12,243.00

**EXHIBIT B-1
FEE SCHEDULE
METHOD OF PAYMENT - LUMP SUM**

PRIME PROVIDER NAME: PIERCE GOODWIN ALEXANDER & LINVILLE, Inc.
 CONTRACT: Miscellaneous Design Services
 PROJECT NAME: Fort Bend Grand Parkway toll road
 SUB-PROVIDER NAME: ETSI

TASK DESCRIPTION	SENIOR PROJECT MANAGER	SENIOR TRANSP. ENGINEER	TRANSPORTATION ENGINEER	CADD DESIGNER	ADMIN ASSISTANT	TOTAL LABOR HRS. & COSTS	NO OF DWGS	LABOR HRS PER SHEET
TRAFFIC SIGNALS								
FIELD INVESTIGATIONS			4			4	1	4
GENERAL NOTES		1	2			3	N/A	N/A
CONDITION DIAGRAM	1	3	8	18		28		
PROPOSED SIGNAL PLAN LAYOUT	12	18	28	28		86		
ELECTRICAL SCHEDULE	2	6	18	18		44	1	44
STANDARD & SPECIAL DETAILS	1	2	4	4		11	2	6
QUANTITIES & COST ESTIMATE	2	8	8		2	18	2	9
COORDINATION & MEETINGS	2	2				6		
QA/QC	6					6		
HOURS SUB-TOTALS	28	40	72	86	2	206	6	
CONTRACT RATE PER HOUR	\$173.08	\$119.37	\$98.48	\$65.65	\$53.71			
TOTAL LABOR COSTS	\$4,900.08	\$4,774.80	\$7,060.56	\$4,332.90	\$107.42	\$20,805.76		
SUBTOTAL (FC 162)						\$20,805.76		

DESCRIPTION	TOTAL RM BY FC	TOTAL COSTS BY FC
TOTALS BY FC (BASIC SERVICES)		BASIC SERVICES
SIGNING, PYMT. MARK, & SIGNALS (FC162)	206	\$20,805.76
SUBTOTAL LABOR EXPENSES (BASIC SERVICES)	206	\$20,805.76
OTHER DIRECT EXPENSES (BASIC SERVICES)		
Mileage	# OF UNITS	COST/UNIT
	70	\$0.675
Courier Services (Deliveries)		mile
Photocopies B/W (8 1/2 X 11)		\$25.00
Photocopies B/W (11 X 17)		\$0.10
Photocopies Color (8 1/2 X 11)		\$0.20
Photocopies Color (11 X 17)		\$1.00
Blue/line/Blackline Prints (11" X 17")		\$0.30
Plots (E/W on Bond)		\$0.38
Plots (Color on Bond)		\$2.60
Mylar (11" X 17")		\$6.00
CD Archive		
SUBTOTAL DIRECT EXPENSES		\$40.25
ETSI BASIC SERVICES SUMMARY		
TOTAL LABOR COSTS FOR CP&Y		\$20,805.76
NON-SALARY (OTHER DIRECT EXPENSES)		\$40.25
GRAND TOTAL		\$20,846.01

**EXHIBIT B-1
FEE SCHEDULE
METHOD OF PAYMENT - LUMP SUM**

SURVEYOR'S ESTIMATE (Landtech Consultants, Inc.)
 CONTRACT: Miscellaneous Design Services
 PROJECT NAME: Fort Bend Grand Parkway toll road

TASK DESCRIPTION	PRINCIPAL	SR	PM	RPLS	TECHNICIAN	CADD	CLERICAL	2-MAN CREW	3-MAN CREW	TOTAL LABOR HRS. & COSTS
SURVEYING (FC 150)										
Update topographic field survey and 2D mapping in areas of new improvements. (FM 1093)		2			4	9			10	25
Proposed Task Subtotal		2			4	9			10	25
HOURS SUB-TOTALS	0	2		0	4	9	0	0	10	25
CONTRACT RATE (Includes % overhead rate and % operating margin)	\$229.20	\$199.44		\$131.67	\$92.48	\$95.10	\$60.17	\$123.03	\$161.73	\$3,242.00
SUBTOTAL (FC 150)	\$0.00	\$398.88		\$0.00	\$369.92	\$855.90	\$0.00	\$0.00	\$1,617.30	\$3,242.00
SUBTOTAL LABOR EXPENSES										\$3,242.00
DIRECT EXPENSES										
MILEAGE	80	per mile		\$0.575						\$46.00
TOTAL STATION W/ DATA COLLECTOR	0	per hour		\$10.00						\$0.00
ROBOTIC TOTAL STATION	0	per hour		\$20.00						\$0.00
GPS EQUIP. RTK	1	per day per unit		\$225.00						\$225.00
MICROSTATION CADD WORKSTATION W/PLOTTER	0	per hour		\$14.45						\$0.00
RAILROAD RIGHT-OF-ENTRY - ESTIMATED PERMIT FEE	0	each		\$1,500.00						\$0.00
RAILROAD INSURANCE - ESTIMATED PREMIUM	0	each		\$2,000.00						\$0.00
RAILROAD FLAGMAN - EST. 4 DAYS x 8 HRS X \$65	0	per hour		\$55.00						\$0.00
SUBTOTAL DIRECT EXPENSES										\$271.00
TOTAL										\$3,513.00