

**SUPPLEMENTAL AGREEMENT NO. 1  
TO  
ENGINEERING SERVICES AGREEMENT OF  
FEBRUARY 25, 2020  
FOR  
FORT BEND GRAND PARKWAY TOLL ROAD AUTHORITY**

This Supplemental Agreement is signed in multiple counterparts to be effective on the date approved by the Fort Bend County Commissioners Court, and modifies the ENGINEERING SERVICES AGREEMENT dated February 25, 2020 (the "Agreement") between the Fort Bend Grand Parkway Toll Road Authority, a Texas Local Government Corporation (the "Authority"), and Aguirre & Fields, LP, (the "Engineer").

The Agreement is hereby modified as follows:

1. The first sentence in Section 1 is replaced with the following sentence:

"The Engineer shall render professional services to FBGPTRA related to the Project as defined in the Scope of Services in Attachment A & Attachment A-1."

2. Section 2.a is replaced with the following paragraphs:

"The Maximum Compensation under this Agreement is \$128,806.72. The amount paid under this Agreement may not exceed the Maximum Compensation without an approved supplemental agreement.

Compensation for the performance of services within the Scope of Services described in Attachment A will be paid as a lump sum amount not to exceed \$115,047.98, as shown in Attachment B.

Compensation for the performance of services within the Scope of Services described in Attachment A-1 will be paid as a lump sum amount not to exceed \$13,758.74, as shown in Attachment B-1.

The Engineer shall furnish satisfactory documentation of such work (e.g. timesheets, billing rates, classifications, invoices, etc.) as may be required by FBGPTRA."

This Supplemental Agreement does not alter, modify, or otherwise change any part of the Agreement, except as specifically stated in this Supplemental Agreement.

Supplemental Agreement No. 1  
To Agreement of February 25, 2020

IN WITNESS WHEREOF, this Supplemental Agreement is hereby executed as of \_\_\_\_\_.

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

By: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Aguirre & Fields, LP.  
ENGINEER

By: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

**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.: \_\_\_\_\_

**ATTACHMENT A-1  
SUPPLEMENTAL AGREEMENT #1 SCOPE OF SERVICES**

**FORT BEND GRAND PARKWAY TOLL ROAD (SH 99) / WESTPARK TOLLWAY (FM 1093)  
EASTBOUND/NORTHBOUND & WESTBOUND/NORTHBOUND DIRECT CONNECTORS**

**DESIGN SERVICES**

**GENERAL DESCRIPTION**

The work to be performed by the Engineer under this Supplemental Agreement consists of relocating the DCEN Bent 10 right column to avoid existing sidewalk, retaining wall, and underground utilities. The existing EB Frontage Road curb line will be relocated at Bent 10 through partial removal of existing pavement in order to provide adequate horizontal clearance to the column. Existing sidewalk will be realigned at Bents 9 & 11 due to conflict with the proposed column location.

The following is a detailed list of tasks which will be performed by the Engineer in addition to and in accordance with the scope of services in the Prime Agreement.

- 1) **SURVEY-**
  - a) Utilize horizontal and vertical project controls established for the project
  - b) Locate and stake bent 10 to establish location for others to dig up 6'x4' box culvert
  - c) Survey exposed box culvert and provide updated CAD File
- 2) **UTILITY COORDINATION** - No revisions to this task.
- 3) **ROADWAY**
  - a) Sidewalk realignment at DCEN Bents 9 & 11.
  - b) Curb line realignment at DCEN Bent 10.
  - c) Partial EB Frontage Road pavement removal at DCEN Bent 10.
- 4) **TRAFFIC**
  - a) Add lane closure for pavement removal and curb line realignment at DCEN Bent 10.
- 5) **DRAINAGE** - No revisions to this task.
- 6) **CONSTRUCTION SEQUENCING AND TRAFFIC CONTROL** - No revisions to this task.
- 7) **RETAINING WALLS** - No revisions to this task.
- 8) **BRIDGES**
  - a) Relocation of DCEN Bent 10 right column, redesign/detailing of bent, creation of new foundation detail to avoid existing buried 6'x4' box culvert, and update to estimated bridge quantities.
- 9) **GENERAL NOTES AND SPECIFICATIONS** - No revisions to this task.
- 10) **STANDARD DRAWINGS** - No revisions to this task.
- 11) **QUANTITY TAKE-OFFS AND QUANTITY SUMMARIES**
  - a) Update Roadway quantities for pavement removal and introduction of new curb line.

12) **CONSTRUCTION COST ESTIMATE** - No revisions to this task.

13) **MISCELLANEOUS DRAWINGS** - No revisions to this task.

14) **PREPARATION AND SUBMITTAL OF PS&E** - No revisions to this task.

15) **PROJECT MANAGEMENT** - No revisions to this task.

16) **DIRECT EXPENSES** - No revisions to this task.

## **SCHEDULE**

Revisions will be incorporated into the Final PS&E Submittal scheduled for no later than October, 2020 pending receipt of 95% comments by end of August.

**ATTACHMENT B-1**

**SUPPLEMENTAL AGREEMENT #1 FEE ESTIMATE**

**FORT BEND GRAND PARKWAY TOLL ROAD (SH 99) / WESTPARK TOLLWAY (FM 1093)  
EASTBOUND/NORTHBOUND & WESTBOUND/NORTHBOUND DIRECT CONNECTORS**

**SUMMARY**

**PRIME:** Aguirre & Fields  
**SUB:** TNP  
**SUB:** Progressive Traffic & Transportation  
**SUB:** Weisser Engineering & Surveying

WORK TASK	DESCRIPTION	Aguirre & Fields	TNP	Progressive Traffic & Transportation	Weisser Engineering & Surveying	TOTAL
1	SURVEY				\$ 2,230.00	\$ 2,230.00
2	UTILITY COORDINATION					
3	ROADWAY	\$ 2,276.14				\$ 2,276.14
4	TRAFFIC					
5	DRAINAGE					
6	CONSTRUCTION SEQUENCING AND TRAFFIC CONTROL	\$ 858.11				\$ 858.11
7	RETAINING WALLS					
8	BRIDGES	\$ 7,723.01				\$ 7,723.01
9	GENERAL NOTES AND SPECIFICATIONS					
10	STANDARD DRAWINGS					
11	QUANTITY TAKE-OFFS AND QUANTITY SUMMARIES	\$ 671.48				\$ 671.48
12	CONSTRUCTION COST ESTIMATE					
13	MISCELLANEOUS DRAWINGS					
14	PREPARATION AND SUBMITTAL OF PS&E					
15	PROJECT MANAGEMENT					
16	DIRECT EXPENSES					
<b>TOTAL</b>		<b>\$ 11,528.74</b>			<b>\$ 2,230.00</b>	<b>\$ 13,758.74</b>

ATTACHMENT B-1

SUPPLEMENTAL AGREEMENT #1 FEE ESTIMATE

FORT BEND GRAND PARKWAY TOLL ROAD (SH 99) / WESTPARK TOLLWAY (FM 1093)  
EASTBOUND/NORTHBOUND & WESTBOUND/NORTHBOUND DIRECT CONNECTORS

Aguirre & Fields

TASK DESCRIPTION	NUMBER OF SHEETS	Senior Structural Engineer	Project Manager	Project Engineer	Design Engineer	EIT	Engineering Technician	Admin Clerical	TOTAL LABOR HRS & COSTS
<b>ROADWAY</b>									
LABOR RATE PER HOUR		\$220.50	\$204.75	\$149.10	\$121.80	\$98.44	\$88.20	\$78.75	
3.a & b - PLAN AND PROFILES DIRECT CONNECTOR DCEN	2			2		6	6		14
3.c - REMOVAL LAYOUT WESTPARK TOLLWAY EB	1			2		3	3		8
SHEETS & HOURS SUBTOTAL	3	0	0	4	0	9	9	0	22
<b>SUBTOTAL LABOR COSTS</b>		\$0.00	\$0.00	\$596.40	\$0.00	\$885.94	\$793.80	\$0.00	\$2,276.14
<b>TRAFFIC CONTROL PLAN</b>									
4.a - TRAFFIC CONTROL PLAN TYPICAL SECTIONS PHASE 2 STEP 1	1			2		3	3		8
SHEETS & HOURS SUBTOTAL	1	0	0	2	0	3	3	0	8
<b>SUBTOTAL LABOR COSTS</b>		\$0.00	\$0.00	\$298.20	\$0.00	\$295.31	\$264.60	\$0.00	\$855.11
<b>BRIDGES</b>									
8.a - BRIDGE DCEN	1			1		1	1		3
BRIDGE LAYOUTS	1			1		1	1		3
ESTIMATED BRIDGE QUANTITIES	1			1		1	1		3
FOUNDATION LAYOUT	1			1		1	1		3
FOUNDATION DETAIL 60" DRILL SHAFT (on) 2_DS FOOTING NEW	1	2		8		10	16		36
BENT NO. 10 DETAILS	2	2		4		6	12		24
SHEETS & HOURS SUBTOTAL	6	4	0	15	0	19	31	0	69
<b>SUBTOTAL LABOR COSTS</b>		\$882.00	\$0.00	\$2,236.50	\$0.00	\$1,870.31	\$2,734.20	\$0.00	\$7,723.01
<b>QUANTITY TAKE-OFFS AND QUANTITY SUMMARIES</b>									
11.a - SUMMARY OF ROADWAY QUANTITIES	1			2		2	2		6
SHEETS & HOURS SUBTOTAL	1	0	0	2	0	2	2	0	6
<b>SUBTOTAL LABOR COSTS</b>		\$0.00	\$0.00	\$298.20	\$0.00	\$196.88	\$176.40	\$0.00	\$671.48
<b>DIRECT EXPENSES</b>									\$0.00
<b>CONTINGENCY</b>									\$0.00
<b>TOTAL COSTS</b>									\$11,528.74

**ATTACHMENT B-1**

**SUPPLEMENTAL AGREEMENT #1 FEE ESTIMATE**

**FORT BEND GRAND PARKWAY TOLL ROAD (SH 99) / WESTPARK TOLLWAY (FM 1093)  
EASTBOUND/NORTHBOUND & WESTBOUND/NORTHBOUND DIRECT CONNECTORS**

**Weisser Engineering & Surveying**

TASK DESCRIPTION	NUMBER OF SHEETS	PROJECT MANAGER (RPLS)	CADD Tech	SURVEY TECHNICIAN	3 PERSON CREW	CADD SUPPORT	ADMIN	RECORDS RESEARCH	TOTAL LABOR HRS & COSTS
LABOR RATE PER HOUR		\$140.00	\$90.00	\$105.00	\$165.00	\$90.00	\$60.00	\$80.00	
<b>SURVEY</b>									
Locate Bent 10 and record 6'x4' box culvert from open excavation		2	1	2	10				15
SHEETS & HOURS SUBTOTAL	0	2	1	2	10	0	0	0	0
<b>SUBTOTAL LABOR COSTS</b>		<b>\$280.00</b>	<b>\$90.00</b>	<b>\$210.00</b>	<b>\$1,650.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$2,230.00</b>
<b>EXPENSES</b>									
EXPENSES									
<b>SUBTOTAL LABOR COSTS</b>									<b>\$0.00</b>
								<b>TOTAL</b>	
								<b>\$2,230.00</b>	