

**SUPPLEMENTAL AGREEMENT NO. 2
TO
ENGINEERING SERVICES AGREEMENT OF
NOVEMBER 26, 2019
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 November 26, 2019 (the “Agreement”) between the Fort Bend Grand Parkway Toll Road Authority, a Texas Local Government Corporation (the “Authority”), and EHRA, Inc. (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, and Attachment A-2.”

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

“The Maximum Compensation under this Agreement is \$254,805.00. 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 \$197,520.00, 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 \$9,200.00, as shown in Attachment B-1.

Compensation for the performance of services within the Scope of Services described in Attachment A-2 will be paid as a lump sum amount not to exceed \$48,085.00, as shown in Attachment B-2.

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. 2
To Agreement of November 26, 2019

IN WITNESS WHEREOF, this Supplemental Agreement is hereby executed as follows:

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

By: Shoukat Dhannai
Shoukat Dhannai (Sep 17, 2020 16:23 CDT)

Name: Shoukat Dhanani

Title: Board Chairman

EHRA, Inc.
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.: _____

Supplemental Agreement No. 2
To Agreement of November 26, 2019

IN WITNESS WHEREOF, this Supplemental Agreement is hereby executed as follows:

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

By: _____

Name: _____

Title: _____

EHRA, Inc.
ENGINEER

DocuSigned by:
Hasan Syed
By: _____
EE8D99DBFC4A402...

Name: A. Hasan Syed, P.E.

Title: Executive Vice President

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.: _____



10011 Meadowglen Lane
Houston, Texas 77042
EHRAinc.com | 713.784.4500
TBPE No. F-726 | TBPLS No. 10092300

ATTACHMENT A-2
Supplemental Scope of Services
Supplemental Agreement No. 2
Fort Bend Grand Parkway Toll Road Authority

Supplemental scope of services to provide an alternate design to the Peak Road bridges due to a potential conflict of existing pipeline, approximately 40 feet below grade, as follows,

1. Abutment 1 of NB Bridge – As per discussed with PMC the abutment will be extended by a minimum of 5 feet towards the Centerline of SH99 in case of an existing pipeline conflict with drilled shaft no. 1.
2. Bent 2 of SB Bridge – As discussion with PMC, bent 2 will be extended by a minimum of 7 feet towards the centerline of SH99 in case of an existing pipeline conflict with drilled shaft No. 4. This will be more economical and easier to construct while the bent will be extended beyond the edge of bridge deck which is not uncommon. Other option would be to provide a drilled shaft cap spanning over the existing pipeline. Not knowing exact location of the pipeline, it would be a guess to determine the cap length. This option is not included in this scope.

EHRA understands that the supplemental scope will be considered as an addendum to the original bridge plans in case of a conflict of bridge foundation(s) during the construction. The drilled shaft foundations that are in potential conflict should be drilled first in order to determine if the afore mentioned abutment and bent extensions are needed.

TASK – BRIDGE

Recreate NB and SB bridges plan sheets as follows,

1. Bridge Layout Sheet
 - a. Recreate bridge layout sheets to show alternate bent design.
2. Quantity Summary and Bearing Seat Elevations
 - a. Calculate and update quantities at abutment No. 1 of NB Bridge and at bent 2 of SB Bridge.
3. Foundation Layout
 - a. Recreate Foundation layout sheet with new drilled shaft locations at abutment 1 of NB Bridge and at bent 2 of SB Bridge.



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4. NB Bridge - Abutment Details
 - a. Analysis, design and details for abutment.
 - b. Recreate Plan and Elevation views accordingly. Additional sheet(s) may be required due to extended length of the abutment.

5. SB Bridge - Bent 2 Details
 - a. Analysis, design and details for bent.
 - b. Recreate Plan and Elevation views accordingly. Additional sheet(s) will be required due to extended length of the bent.

Any additional work requires prior authorization from the client in order to proceed with professional engineering services

TASK – QUANTITY TAKE-OFFS AND SUMMARIES

1. Update quantity take offs per alternate design.
2. Only for 95% and final
3. Summary on the bridge sheets, not separate summary

TASK – PROJECT MANAGEMENT

1. Management of all tasks listed in Supplemental Scope Tasks.
2. Submittals will be pdf/electronic. Paper copies of plans not required.

TASK – GEOTECHNICAL

1. Coordination with Geotechnical Engineer is not anticipated at this time following the afore mentioned methodology. Any change in methodology may require additional geotechnical recommendations that requires prior authorization form the Client.

ATTACHMENT B-2
COMPENSATION FOR SCOPE OF SERVICES
FORT BEND GRAND PARKWAY TOLL ROAD (SH 99) - SEGMENT D
EHRA, INC.

TASK DESCRIPTION	NUMBER OF SHEETS	Principal	Project Manager	Project Engineer	Design Drafter	Design CAD	Administrative Assistant	N/A	N/A	TOTAL LABOR HRS & COSTS
LABOR RATE PER HOUR		\$275.00	\$185.00	\$130.00	\$120.00	\$95.00	\$85.00	\$0.00	\$0.00	
BRIDGE DESIGN										
BRIDGE LAYOUT	2		2	6	4					12
BEARING SEAT ELEV. / QUANTITY SUMMARY	2		2	6	4					12
ABUTMENT PLAN & ELEVATION	2		4	40	40					84
ABUTMENT DETAILS	1		2	12	16					30
BENT AND COLUMN DETAILS	3		12	40	60					112
SHEETS & HOURS SUBTOTAL	13	0	22	104	124	0	0	0	0	250
SUBTOTAL LABOR COSTS		\$0.00	\$4,070.00	\$13,520.00	\$14,880.00	\$0.00	\$0.00	\$0.00	\$0.00	\$32,470.00
QUANTITIES										
QUANTITY TAKE-OFFS AT 30% MILESTONE										0
QUANTITY SUMMARY SHEETS AT 30% MILESTONE										0
QUANTITY TAKE-OFFS AT 95% MILESTONE			2	2	4					8
QUANTITY SUMMARY SHEETS AT 95% MILESTONE										0
QUANTITY TAKE-OFFS AT FINAL MILESTONE			2	2	2					6
QUANTITY SUMMARY SHEETS AT FINAL MILESTONE										0
SHEETS & HOURS SUBTOTAL	0	0	4	4	6	0	0	0	0	14
SUBTOTAL LABOR COSTS		\$0.00	\$740.00	\$520.00	\$720.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,980.00
MISCELLANEOUS SHEETS										
INDEX SHEET	1		2	2	4					8
SHEETS & HOURS SUBTOTAL	1	0	2	2	4	0	0	0	0	8
SUBTOTAL LABOR COSTS		\$0.00	\$370.00	\$260.00	\$480.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,110.00
SUBMITTALS										
COMPILING (PRIME AND SUB SHEETS) AT 30% MILESTONE										0
PAPER AND ELECTRONIC SUBMITTAL AT 30% MILESTONE										0
COMPILING (PRIME AND SUB SHEETS) AT 95% MILESTONE	0		2	2	4					8
PAPER AND ELECTRONIC SUBMITTAL AT 95% MILESTONE	0		2	4						6
COMPILING (PRIME AND SUB SHEETS) AT FINAL MILESTONE	0		2	4	8					14
ELECTRONIC SUBMITTAL AT FINAL MILESTONE	0		4	4						8
SHEETS & HOURS SUBTOTAL	0	0	10	14	12	0	0	0	0	36
SUBTOTAL LABOR COSTS		\$0.00	\$1,850.00	\$1,820.00	\$1,440.00	\$0.00	\$0.00	\$0.00	\$0.00	\$5,110.00

ATTACHMENT B-2
COMPENSATION FOR SCOPE OF SERVICES
FORT BEND GRAND PARKWAY TOLL ROAD (SH 99) - SEGMENT D
EHRA, INC.

TASK DESCRIPTION	NUMBER OF SHEETS	Principal	Project Manager	Project Engineer	Design Drafter	Design CAD	Administrative Assistant	N/A	N/A	TOTAL LABOR HRS & COSTS
LABOR RATE PER HOUR		\$275.00	\$185.00	\$130.00	\$120.00	\$95.00	\$85.00	\$0.00	\$0.00	
PROJECT MANAGEMENT										
COORDINATION WITH PMC (BGE)	0		8	8						16
MONTHLY INVOICES & PROGRESS REPORTS	0		3				6			9
PROGRESS REVIEW MEETINGS WITH SUB-CONSULTANT										0
COORDINATION MEETING WITH TOLL ROAD OFFICE (5 MEETINGS)			6	6						12
COORDINATION MEETING WITH PEEK ROAD DESIGN CONSULTANT										0
PROJECT FILE ADMINISTRATION	0		4	4			8			16
SHEETS & HOURS SUBTOTAL	0	0	21	18	0	0	14	0	0	53
SUBTOTAL LABOR COSTS		\$0.00	\$3,885.00	\$2,340.00	\$0.00	\$0.00	\$1,190.00	\$0.00	\$0.00	\$7,415.00
										LABOR TOTAL
										\$48,085.00