

**SUPPLEMENTAL AGREEMENT NO. 2
TO
ENGINEERING SERVICES AGREEMENT OF
FOR
FORT BEND COUNTY 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 September 25, 2018 (the "Agreement") between the Fort Bend County Toll Road Authority, a Texas Local Government Corporation (the "Authority"), and Half Associates, 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 FBCTRA 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 \$181,406.00. 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 \$94,906.00, 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 hourly labor rates and equipment rates not to exceed \$75,000.00, 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 hourly labor rates and equipment rates not to exceed \$11,500.00, 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 FBCTRA."

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 September 25, 2019

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

FORT BEND COUNTY TOLL ROAD AUTHORITY, a
Texas local government corporation

By: 
Bobbie (Jan 21, 2021 09:15 CST)

Name: Bobbie A. Tallas

Title: Vice Chairman

Halff Associates, Inc.
ENGINEER

By: 

Name: JAMES MILLER

Title: STRUCTURAL TEAM LEADER

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-2 SCOPE OF SERVICES

Construction Phase and Inspection Services

During the construction of the project, the engineer will provide construction management, field observation and administrative services, as directed by FBCTRA, in conjunction with FBCTRA's other consultants (inspection and materials & testing, if assigned to the project) associated with the construction of the project.

The below tasks may be required during the project duration:

Recordkeeping

Provide recordkeeping system which includes:

- Project records are filed, retained, and available for review
- NPDES permitting requirements are met
- Review of material testing requirements with the contractor and the independent testing laboratory. Keep materials testing records.

Review/Approve Contractor Schedule(s)

Assist with the review of the contractor's proposed construction schedule to ensure it meets contract requirements, it is complete, and it is an attainable schedule.

Construction Meeting(s)

Weekly or bi-weekly construction update meetings may be held with the Contractor to monitor and update project status and review outstanding design and construction issues associated with the projects. The Engineer will review, monitor and coordinate field construction issues and assist design personnel in analyzing contract modifications, change orders, requests for information (RFI's), and submittal processing

Monthly project update meetings with FBCTRA staff will be held. Additional meetings may be held if project needs require it.

Construction Engineering

Review shop drawings, prepare change orders, respond to RFI's, and provide engineering design support.

Construction Field Management

The Engineer will maintain a project diary/daily work reports (DWR) for the project that will document daily construction activities, weather conditions, time charges and contractor's resources as well as any project specific information associated with the project. This diary/DWR will also incorporate the contract items of observation and any decisions associated with the construction of the project. Traffic control plan implementation and monthly barricade inspection requirements will also be monitored and documented as required.

The Engineer will review and monitor the contractor's payment applications for compliance with the contract specifications and forward the monthly pay application to the FBCTRA for processing.

Construction Field Inspection

Prior to beginning construction, a meeting with the FBCTRA will be held to establish an understanding of the critical items of work on the projects to be inspected, establish processes for review and submittal processing, signature authorities, as well as the QC/QA testing requirements needed for the project. Monitor designated critical items of construction for general conformance to the plans and specifications.

An independent testing laboratory, not included in this scope of services, but under separate contract, will perform all required testing (field and plant) associated with the applicable construction projects. The Engineer will review and monitor the test results during the construction phase and include all reports and actions taken in the final documentation records

FBCTRA may assign other inspection consultants for the project.

Administrative Project Management

Coordinate with other FBCTRA consultants to maintain a document control and filing system which shall govern the distribution and file copies of all project-related correspondence, reports, plans, technical data, etc. of the Engineer and construction contractors.

Contractors monthly construction Pay Estimates

Prepare monthly pay estimate including pay items numbers, description, units, unit costs, quantities completed that monthly, and total quantities completed. The contractor's monthly pay estimate may be used instead of the Engineer's estimate if approved by FBCTRA. Engineer shall review and confirm the accuracy of the contractor's pay estimate.

Prepare Monthly Report

Monthly reports will be prepared for the FBCTRA to indicate overall progress of construction, including overall program costs, schedule, and overall construction status.

Preliminary/Final "Punch List"

Prepare punch lists for the project and coordinate with the contractor to complete the punch list items. Upon completion of the punch lists, Engineer will prepare and submit a completion certification to FBCTRA. "Record" drawings prepared by the Contractor will be reviewed and approved prior to final acceptance of the project. If the Contractor is not required to provide the record drawings, the Engineer will provide them to the FBCTRA. The final project records, in accordance with the FBCTRA and County's requirements will be assembled and provided to the FBCTRA within sixty (60) days after final acceptance.

ATTACHMENT B-2
MAXIMUM BILLING RATES
 HALFF ASSOCIATES, INC.

Labor Category	Level	Billing Rate (Maximum/Hour)
Engineer	I	108.00
	II	126.00
	III	174.00
	IV	216.00
	V	301.00
Surveyor	I	92.00
	II	106.00
	III	137.00
	IV	174.00
	V	234.00
Field Tech	I	62.00
	II	79.00
	III	95.00
	IV	124.00
	V	169.00
Office Tech	I	60.00
	II	78.00
	III	100.00
	IV	125.00
	V	170.00
Administrative	I	66.00
	II	78.00
	III	97.00
	IV	120.00
	V	227.00
Survey Crew *	2-Man	175.00
	3-Man	235.00

* Mileage will be billed at the current IRS Rate

EXPENSES		
Field Truck**	Per Month	1,200.00
Cell Phone	Per Month	100.00
Mileage**	As Needed	Current IRS Rate

** Mileage will be billed at the current IRS Rate
 except for the assigned project Field Truck