

**SUPPLEMENTAL AGREEMENT NO. 4
TO
AGREEMENT OF SEPTEMBER 15, 2010
FOR
ENGINEERING SERVICES for
Fort Bend Grand Parkway Toll Road, Segment D**

This Supplemental Agreement is made and entered into this 17th day of April, 2013, and modifies the ENGINEERING SERVICES AGREEMENT made with Brown & Gay Engineers, Inc. dated September 15, 2010 for engineering services for the Fort Bend Grand Parkway Toll Road, Segment D, as amended by various supplemental agreements.

The agreement is hereby modified as follows:

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

"Compensation for performance of services within the Scope of Services described in Attachment A will be as follows: The compensation shall be increased by \$830,000.00, for the additional work shown in Attachment A. The maximum amount payable under this agreement shall not exceed \$2,677,363.00, as shown in Attachment B."
2. The Scope of Services shown in Attachment A shall be expanded to include Exhibit A-4, attached hereto.
3. The Compensation for Scope of Services shown in Attachment B shall be expanded to include Exhibit B-4, attached hereto.

[Remainder of page intentionally left blank.]

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 Condrey
Chairman, Board of Directors

ATTEST:

By 

Brown & Gay Engineers, Inc.
ENGINEER

By: 

Name: David C. Johnston, PE

Title: Senior Vice President

EXHIBIT A-4

ATTACHMENT A SCOPE OF SERVICES FORT BEND GRAND PARKWAY TOLL ROAD (SH 99) – SEGMENT D

GENERAL DESCRIPTION

This supplemental agreement is for additional Design, Construction Management and Construction Inspection services.

DESIGN

- Additional coordination for eastbound to northbound direct connector schematic and environmental document. This includes coordination with design and environmental consultants, TxDOT, appraisal consultants, and GPTRA consultants for the schematic design, environmental document, and right of way.
- Additional coordination and review of overall drainage report with design consultant and TxDOT.
- Manage and coordinate with signal design engineers. Signal design consultants will prepare designs to upgrade traffic signals to County standards and specifications. Provide review and comments to signal design plans. Incorporate plans into project plan sets.
- Signal timings and pavement marking/signing changes for FM1464 and US 90 A. Review and evaluate traffic signal timings at Sandhill, US 90A and FM 1464. Evaluate and provide report on traffic turning movements at FM 1464. Provide necessary designs for any changes to pavement markings and/or signing.
- Provide traffic signal inventory. Make a field visit to each intersection and document condition of existing signal system components. Provide list of upgrades to meet Fort Bend County requirements.
- Provide reviews of permits received by the County for utility and access work to be completed within the Grand Parkway right of way.

CONSTRUCTION MANAGEMENT

- Provide design for change orders. In order to expedite construction and reduce delays to the project, we will provide engineering design for change orders. This eliminates delays by removing coordination issues with Section Design Engineers and their subconsultants. It also expedites the design process.
- Provide more utility coordination. Additional utility lines have been discovered that the utility owners did not mark during the design phase of the project. Also, several utilities have not adjusted their facilities on a timely basis as originally anticipated. This has required significantly more effort than originally anticipated.

- Additional coordination with district engineers for the construction of the access road for the movie theatre near W Belfort. The access road did not open on the schedule and has required changes to the traffic control. Additional work has been required to successfully open the access road to traffic while the theater is still under construction.
- Additional shop drawing reviews and material mix designs have been required. The Contractor has submitted multiple mix designs from various material plants, so there is more than one source available for the work. This has helped expedite construction but has increased the review effort more than what was originally anticipated.
- Extensive coordination on toll gantry design/aesthetics/structures, etc.
- Coordination with developers along the corridor
- Change to weekly contractor meetings. In order to get up-to-date information from the contractor, it was decided to hold weekly coordination meetings, instead of bi weekly meetings
- Additional coordination has been required for Construction Section 1 (W Riverpark) and Section 4 (W Airport). This is a result of the change to the construction schedule due to various changes in work.
- Additional coordination with Construction Inspection and Material Testing firms. Due to the contractor and their sub-contractor working more than 5 days a week, and working both day and night, additional inspectors and material testing technicians are needed. Additional management is needed to coordinate with these inspection and material testing firms, including contracting, timesheet reviews, and invoicing.

CONSTRUCTION INSPECTION

- A chief inspector has been added to the construction inspection team. The chief inspector will assist with the day-to-day coordination with the inspectors, material testing technicians, and contractors, including sub-contractors. Also, the chief inspector will review the daily reports, daily contractor pay sheets, inspector and material testing time sheets, material testing reports, coordinate with the lab providers, and provide senior leadership guidance in resolving contractor issues.
- Additional inspection effort is required due to the contractor and their sub-contractors working 7 days a week, including both day and night shifts.

**EXHIBIT B-4
ADDITIONAL SERVICES**

**ATTACHMENT B
COMPENSATION FOR SCOPE OF SERVICES
FORT BEND GRAND PARKWAY TOLL ROAD (SH 99) - SEGMENT D**

BROWN & GAY ENGINEERS, INC

TASK DESCRIPTION	
DESIGN PHASE SERVICES	
DESIGN MANAGEMENT	\$ 130,000.00
CONSTRUCTION PHASE SERVICES	
CONSTRUCTION MANAGEMENT	\$ 450,000.00
CONSTRUCTION INSPECTION	\$ 250,000.00
TOTAL	\$830,000.00