

**SUPPLEMENTAL AGREEMENT NO. 1  
TO  
AGREEMENT OF FEBRUARY 16, 2011  
FOR  
ENGINEERING SERVICES for  
Fort Bend Grand Parkway Toll Road, Segment D**

This Supplemental Agreement is made and entered into this 21<sup>st</sup> day of September, 2011, and modifies the ENGINEERING SERVICES AGREEMENT made with HVJ Associates, Inc., dated February 16, 2011 for engineering services for the Fort Bend Grand Parkway Toll Road, Segment D.

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 \$208,880.44.”
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 will be as follows: The lump sum compensation shall be increased by \$81,820.09, for the additional work shown in Attachment A. The maximum amount payable under this agreement shall not exceed \$208,880.44, as shown in Attachment B. Progress payments for work detailed in Attachment A will be made when the Engineer 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 first sentence of Section 3 is replaced with the following sentence:

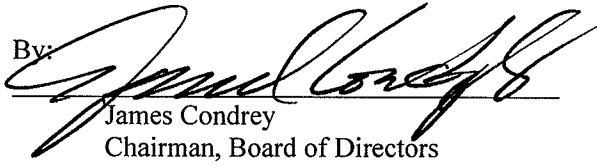
“It is understood and agreed that the time for performance of the Engineer’s services under this Agreement shall begin with receipt of the Notice to Proceed and end June 1, 2012.”
4. The Scope of Services shown in Attachment A shall be expanded to include Exhibit A-1, attached hereto.
5. The Compensation for Scope of Services shown in Attachment B shall be expanded to include Exhibit B-1, attached hereto.

**[Remainder of page intentionally left blank.]**

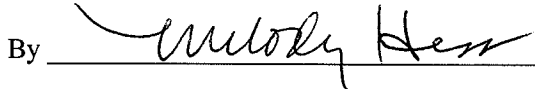
Supplemental Agreement No. 1  
To Agreement of February 16, 2011

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: 

HVJ Associates, Inc.  
ENGINEER

By: 

Name: Hossam Esmail, PE

Title: Vice President

**SUPPLEMENTAL AGREEMENT NUMBER 1**  
**Fort Bend Grand Parkway Toll Road, Segment D, Engineering Services**

**EXHIBIT A-1**  
**ATTACHMENT A**  
**SCOPE OF SERVICES**

**HVJ ASSOCIATES, INC.**

**GENERAL DESCRIPTION**

Additional geotechnical engineering services are required to perform analysis and recommendations for overhead sign foundations. 20 borings at a depth of 50 feet each are required for a total boring depth of 1000 feet. The following tasks will be performed:

- Drill 20 borings at a depth of 50 feet each
- Perform soil sampling and in-situ testing
- Prepare documentation of field investigations
- Perform laboratory testing
- Prepare engineering analysis and recommendations
- Prepare summary report

**SCHEDULE**

November 8, 2011    Deliver draft geotechnical report  
November 22, 2011    Deliver final geotechnical report

**SUPPLEMENTAL AGREEMENT NO. 1  
EXHIBIT B-1**

**ATTACHMENT B**

**COMPENSATION FOR SCOPE OF SERVICES**

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

**HVJ ASSOCIATES, INC.**

**OVERHEAD SIGNS GEOTECHNICAL INVESTIGATIONS**

LABOR TASK DESCRIPTION	PRINCIPAL	PROJECT MANAGER	SENIOR ENGINEER	PROJECT ENGINEER	EIT	CLERICAL	FIELD TECHNICIAN	TOTAL LABOR HRS & COSTS
<b>LABOR RATE PER HOUR</b>	\$215.78	\$165.43	\$165.43	\$107.89	\$71.93	\$50.92	\$46.38	
<b>GEOTECHNICAL INVESTIGATIONS</b>								
Stake Boreholes and Utility Clearance		1		2	2		10	15
Drilling Coordination				2	2		10	14
Logging					4		110	114
Review Field Logs & Assign Laboratory Testing	1	2	2	4	4			13
Laboratory Data Review		2	4	4	4			14
Boring Logs Preparation		4	8	8	10			30
Foundation Design Recommendations	2	4	4	8	10			28
Drawings				4	10			14
Report Preparation	2	4	8	10	10	4		36
Final Report Preparation	2	4	8	10	10	4		38
Project Meetings	4	4	4					12
<b>HOURS SUBTOTAL</b>	<b>11</b>	<b>25</b>	<b>38</b>	<b>52</b>	<b>66</b>	<b>8</b>	<b>130</b>	<b>330</b>
<b>TOTAL LABOR COSTS</b>	<b>\$2,373.58</b>	<b>\$4,135.75</b>	<b>\$6,286.34</b>	<b>\$5,610.28</b>	<b>\$4,747.38</b>	<b>\$407.36</b>	<b>\$6,029.40</b>	<b>\$29,590.09</b>

DIRECT EXPENSE DESCRIPTION	QUANTITY	RATE	UNIT	TOTAL COST
<b>FIELD EXPLORATION</b>				
Mobilization / Demobilization	1	\$500.00	Lumpsum	\$500.00
Soil Borings, Continuous 3-in (0'-50')	1,000	\$18.00	per ft	\$18,000.00
THD Cone Penetration Test	200	\$23.00	each	\$4,600.00
Grouting of Completed Boring	1,000	\$5.00	per ft	\$5,000.00
3-Man Crew (driller, logger & helper) travel to/from job site, per day	24	\$120.00	per hour	\$2,880.00
Traffic Control Signage	12	\$450.00	per day	\$5,400.00
Vehicle Use	120	\$7.50	per hour	\$900.00
<b>LABORATORY TESTING</b>				
Moisture Content	100	\$8.00	each	\$800.00
Liquid and Plastic Limits	80	\$53.00	each	\$4,240.00
Percent Passing No. 200 Sieve	40	\$41.00	each	\$1,640.00
Hydrometer Gradation	40	\$110.00	each	\$4,400.00
Unconfined Compression Strength	30	\$39.00	each	\$1,170.00
Unconsolidated Undrained Strength	50	\$54.00	each	\$2,700.00
<b>TOTAL DIRECT EXPENSES</b>				<b>\$52,230.00</b>

<b>SUMMARY</b>	
TOTAL LABOR COSTS	\$29,590.09
NON-SALARY (DIRECT EXPENSES)	\$52,230.00
<b>GRAND TOTAL</b>	<b>\$81,820.09</b>