

**SUPPLEMENTAL AGREEMENT NO. 1  
TO  
AGREEMENT OF MAY 18, 2011  
FOR  
ENGINEERING SERVICES for  
Fort Bend Grand Parkway Toll Road, Segment D**

This Supplemental Agreement is made and entered into this 20<sup>th</sup> day of July, 2011, and modifies the ENGINEERING SERVICES AGREEMENT made with TEDSI Infrastructure Group, Inc., dated May 18, 2011 for engineering services for the Fort Bend Grand Parkway Toll Road, Segment D.

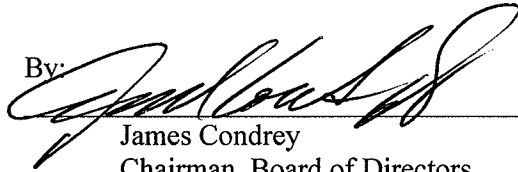
The agreement is hereby modified as follows:

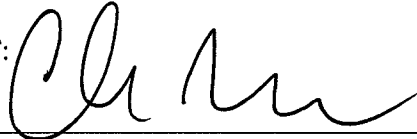
1. The first sentence of Section 2.a is replaced with the following sentence:  
  
    “The Maximum Compensation under this contract is \$570,353.32.”
2. The second paragraph of Section 2.a is replaced with the following paragraph:  
  
    “Compensation for performance of services within the Scope of Services described in Attachment A will be as follows: The lump sum compensation shall be increased by \$313,035.52, for the additional work shown in Attachment A. The maximum amount payable under this agreement shall not exceed \$570,353.32, 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 Scope of Services shown in Attachment A shall be expanded to include Exhibit A-1, attached hereto.
4. 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.]**

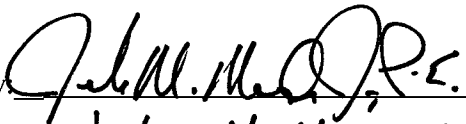
IN WITNESS WHEREOF, this Supplemental Agreement is hereby executed as of the date first set forth above.

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

By:   
James Condrey  
Chairman, Board of Directors

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

TEDSI Infrastructure Group, Inc.  
ENGINEER

By:   
Name: Jules M. Morris, Jr., P.E.  
Title: Vice President

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

**FORT BEND GRAND PARKWAY TOLL ROAD (SH 99) – SEGMENT D  
SIGNING DESIGN SERVICES**

Sections 1 thru 10

Station Limits: 678+85 to 1355+00 (approximate)

The design services described herein are associated with the construction of mainlane toll bridges from just North of Westpark Tollway/FM 1093 to North of US 59 along approximately 12.87 miles of SH 99 by the Fort Bend Grand Parkway Toll Road Authority (FBGPTRA). The services provided herein include Large and Small Signing Design. TxDOT design criteria are to be utilized for this project in addition to the criteria developed by the Program Management Consultant (PMC) in the Program Management Plan (PMP). The design to be performed is based on the following terms and conditions:

- a. The Program Team Members (PTMs) and/or PMC will provide TEDSI Infrastructure Group (TEDSI) with Microstation<sup>®</sup> CADD files containing all existing survey information, including existing roadway features and utilities. This survey shall also locate all traffic related items, such as existing signs, and existing illumination poles. TEDSI shall be provided with proposed roadway design files from the various section design engineers/PTMs assigned to this project corridor.
- b. All design drawings shall be produced utilizing Microstation<sup>®</sup> CADD software with graphics files in accordance with PMP requirements and procedures. TEDSI shall coordinate fully with the PMC to assure consistency in the development of all CADD drawings.
- c. Except where not possible, TxDOT and/or FBGPTRA standard detail drawings will be utilized for this project.
- d. The PMC shall furnish TEDSI with all available existing roadway plans, pavement design and illumination design record drawings.
- e. This scope of work by TEDSI **does not** include Construction Support Services.
- f. The PS&E's developed herein will be prepared as ten (10) separate complete bid packages for insertion into the Program Team Members (PTMs) roadway design packages.

**LARGE AND SMALL SIGNING DESIGN**

TEDSI shall develop large guide sign schematic and design all permanent large and small signing in accordance with FBGPTRA/TxDOT design guidelines and the *Texas Manual on Uniform Traffic Control Devices (TxMUTCD) for Streets and Highways* (latest revision). All such design shall be based on roadway design as provided by the Program Team Members (PTMs). TEDSI shall perform an inventory of all existing large and small signage throughout the Project. This inventory shall be used as a basis for determining all required proposed signing. After a full review of the final proposed roadway plans, the location and type of all necessary proposed warning and regulatory signs shall be determined. Large overhead signing will be designed per the approved large guidesign schematic. Overhead guidesigns shall have concrete columns in accordance with FBGPTRA aesthetic standards. Large and

small signing design will be limited to proposed mainlane/frontage road gore areas and along proposed mainlanes, ramps and toll bridges. All required specifications, general notes and estimates will be included.

TEDSI shall then prepare drawings depicting all proposed signing for the Project. Plan layouts shall be prepared in English units at 1"=100' scale, on 11"x17" drawings. Permanent signing design shall consist of the following drawings for the entire Project:

- **Large and Small Signing Layouts** (to identify all existing signs to remain, signs to be removed or relocated and all proposed signs).
- **Signing Details** (for all special signs as required for the Project).
- **Proposed Guidesign Elevations** (to depict design height, structure length and orientation of guide signs, etc.).
- **Proposed Guidesign Details** (to depict text size and spacing for all required guide signs).
- **Large Sign Summary** (to identify all required large signs).
- **Small Sign Summary** (to identify all proposed small signs and mounting materials).
- **Overhead Sign Structure Summary** (to identify all required overhead structure type and foundations).
- **Standard Detail Drawings** (to provide guidance to the contractor during construction of all small and large signing - to be specified and furnished by TEDSI).
- **General Notes and Specifications Data** (Coordinate with the PMC for the selection of general notes and specifications applicable to the design section. The PMC will supply standard general notes and specifications. TEDSI will modify the notes and specifications to conform to the specific requirements for the section).
- **Construction Cost Estimate** (an estimate of the construction costs will be prepared based on plan quantities in standard TxDOT bid format at the 60%, 90%, 95% and final submittal stages of the project).

**Note: Pavement marking, intersection signing, frontage road signing, trailblazer signing outside the corridor, special overhead guidesign concrete column and foundation design, and structural details (columns, truss, foundations) not covered by the FBGPTRA aesthetic standards and any special zone guide sign structures and foundation including bent mounted column and bent details, is not included in this scope.**

**Preparation and submittal of PS&E and Project Management and Coordination will be per previously approved Scope of Services and Engineering Services Agreement with FBGPTRA, dated 5/18/2011.**

#### **SCHEDULE (90% Submittals)**

- Sections 1, 2, 4, 5 and 7 - 10/21/2011 (Sections 1 and 4 to be issued as construction change order to roadway construction contract).
- Section 8 and Section 9 – 11/4/2011
- Sections 6 – 11/11/ 2011
- Section 10 – 12/16/2011
- Section 3 – 1/23/2012

**EXHIBIT B-1  
ATTACHMENT B  
COMPENSATION FOR SCOPE OF SERVICES  
FORT BEND GRAND PARKWAY TOLL ROAD (SH 99) - SEGMENT D**

**FEE SCHEDULE SUMMARY**  
**SECTIONS 1 THRU 10 TRAFFIC ENGINEERING DESIGN SERVICES**  
 Station Limits: 678+85 to 1355+00 (approximate)

**PRIME PROVIDER: TEDSI INFRASTRUCTURE GROUP**

<b>WORK TASK</b>	<b>DESCRIPTION</b>	<b>TEDSI INFRASTRUCTURE GROUP</b>	<b>TOTAL</b>
1	SECTION 1 - SIGNING	\$36,460.64	\$36,460.64
2	SECTION 2 - SIGNING	\$28,758.82	\$28,758.82
3	SECTION 3 - SIGNING	\$47,083.52	\$47,083.52
4	SECTION 4 - SIGNING	\$23,148.60	\$23,148.60
5	SECTION 5 - SIGNING	\$21,706.36	\$21,706.36
6	SECTION 6 - SIGNING	\$23,148.60	\$23,148.60
7	SECTION 7 - SIGNING	\$24,931.28	\$24,931.28
8	SECTION 8 - SIGNING	\$27,959.30	\$27,959.30
9	SECTION 9 - SIGNING	\$31,546.42	\$31,546.42
10	SECTION 10 - SIGNING	\$48,291.98	\$48,291.98
<b>TOTAL</b>		<b>\$313,035.52</b>	<b>\$313,035.52</b>
<b>PERCENTAGE OF WORK BY PROVIDER</b>		<b>100.0%</b>	<b>100.0%</b>

**EXHIBIT B-1  
ATTACHMENT B  
COMPENSATION FOR SCOPE OF SERVICES  
FORT BEND GRAND PARKWAY TOLL ROAD (SH 99) - SEGMENT D**

**TEDSI INFRASTRUCTURE GROUP**

**SECTIONS 1 THRU 10 TRAFFIC ENGINEERING DESIGN SERVICES**

Station Limits: 678+85 to 1355+00 (approximate)

TASK DESCRIPTION	NUMBER OF SHEETS	Senior Project Manager	Project Manager	Traffic Engineer	Project Designer	Engineering Designer	CADD Technician	Project Administrator	Clerical	TOTAL LABOR HRS & COSTS
<b>SECTION 1</b>										
TASK 1: LARGE AND SMALL SIGNING DESIGN										
Large and Small Signing Layout	7			4	8	20	80			112
Guidesign Elevations	4			4	12	20	60			96
Guidesign Details	2			4	8	12	24			48
Small Signing Details (Permit Loads, EZ Tag violation, etc.)	1			2	2	4	16			24
Large Sign Summary	2				4	8	16			28
Small Sign Summary	2				4	8	16			28
Overhead Sign Structure Summary	1				2	4	10			16
Standard Detail Drawings (TXDOT)	20					2	2			4
<b>SHEETS &amp; HOURS SUBTOTAL</b>	<b>39</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>40</b>	<b>78</b>	<b>224</b>	<b>0</b>	<b>0</b>	<b>356</b>
<b>SUBTOTAL LABOR COSTS - SECTION 1</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$2,266.74</b>	<b>\$5,474.80</b>	<b>\$9,527.74</b>	<b>\$20,191.36</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$36,460.64</b>
<b>SECTION 2</b>										
TASK 1: LARGE AND SMALL SIGNING DESIGN										
Large and Small Signing Layout	5			4	8	20	60			92
Guidesign Elevations	3			4	8	20	40			72
Guidesign Details	2			4	8	12	24			48
Large Sign Summary	2				4	8	16			28
Small Sign Summary	1				2	4	12			18
Overhead Sign Structure Summary	1				2	4	10			16
Standard Detail Drawings (TXDOT)	20					2	2			4
<b>SHEETS &amp; HOURS SUBTOTAL</b>	<b>34</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>32</b>	<b>70</b>	<b>164</b>	<b>0</b>	<b>0</b>	<b>276</b>
<b>SUBTOTAL LABOR COSTS - SECTION 2</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$1,942.92</b>	<b>\$4,379.84</b>	<b>\$7,659.10</b>	<b>\$14,782.96</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$23,765.82</b>
<b>SECTION 3</b>										
TASK 1: LARGE AND SMALL SIGNING DESIGN										
Large and Small Signing Layout	12			8	16	32	136			192
Guidesign Elevations	6			8	12	40	84			144
Guidesign Details	2			4	8	12	24			48
Large Sign Summary	3				4	8	16			28
Small Sign Summary	3				4	8	16			28
Overhead Sign Structure Summary	1				2	4	10			16

**EXHIBIT B-1  
ATTACHMENT B  
COMPENSATION FOR SCOPE OF SERVICES  
FORT BEND GRAND PARKWAY TOLL ROAD (SH 99) - SEGMENT D**

**TEDSI INFRASTRUCTURE GROUP**

**SECTIONS 1 THRU 10 TRAFFIC ENGINEERING DESIGN SERVICES**

Station Limits: 678+85 to 1355+00 (approximate)

TASK DESCRIPTION	NUMBER OF SHEETS	Senior Project Manager	Project Manager	Traffic Engineer	Project Designer	Engineering Designer	CADD Technician	Project Administrator	Clerical	TOTAL LABOR HRS & COSTS
LABOR RATE PER HOUR	20	\$214.81	\$210.16	\$161.91	\$136.87	\$109.33	\$90.14	\$95.66	\$85.64	4
Standard Detail Drawings (TXDOT)						2	2			
<b>SHEETS &amp; HOURS SUBTOTAL</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>46</b>	<b>106</b>	<b>288</b>	<b>0</b>	<b>0</b>	<b>460</b>
<b>SUBTOTAL LABOR COSTS - SECTION 3</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$3,238.20</b>	<b>\$6,296.02</b>	<b>\$11,588.98</b>	<b>\$25,960.32</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$47,083.52</b>
<b>SECTION 4</b>										
<b>TASK 1: LARGE AND SMALL SIGNING DESIGN</b>										
Large and Small Signing Layout	6			4	12	24	56			96
Guidesign Elevations	2			2	4	12	30			48
Guidesign Details	1			2	4	6	12			24
Large Sign Summary	1				4	4	10			18
Small Sign Summary	1				2	4	12			18
Overhead Sign Structure Summary	1				2	4	10			16
Standard Detail Drawings (TXDOT)	20					2	2			4
<b>SHEETS &amp; HOURS SUBTOTAL</b>	<b>32</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>28</b>	<b>56</b>	<b>132</b>	<b>0</b>	<b>0</b>	<b>224</b>
<b>SUBTOTAL LABOR COSTS - SECTION 4</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$1,295.28</b>	<b>\$3,832.36</b>	<b>\$6,122.48</b>	<b>\$11,898.48</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$23,146.50</b>
<b>SECTION 5</b>										
<b>TASK 1: LARGE AND SMALL SIGNING DESIGN</b>										
Large and Small Signing Layout	5			4	12	24	40			80
Guidesign Elevations	2			2	4	12	30			48
Guidesign Details	1			2	4	6	12			24
Large Sign Summary	1				4	4	10			18
Small Sign Summary	1				2	4	12			18
Overhead Sign Structure Summary	1				2	4	10			16
Standard Detail Drawings (TXDOT)	20					2	2			4
<b>SHEETS &amp; HOURS SUBTOTAL</b>	<b>31</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>28</b>	<b>56</b>	<b>116</b>	<b>0</b>	<b>0</b>	<b>208</b>
<b>SUBTOTAL LABOR COSTS - SECTION 5</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$1,295.28</b>	<b>\$3,832.36</b>	<b>\$6,122.48</b>	<b>\$10,456.24</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$21,706.36</b>
<b>SECTION 6</b>										
<b>TASK 1: LARGE AND SMALL SIGNING DESIGN</b>										
Large and Small Signing Layout	6			4	12	24	56			96
Guidesign Elevations	2			2	4	12	30			48
Guidesign Details	1				4	6	12			24

**EXHIBIT B-1  
ATTACHMENT B  
COMPENSATION FOR SCOPE OF SERVICES  
FORT BEND GRAND PARKWAY TOLL ROAD (SH 99) - SEGMENT D**

**TEDSI INFRASTRUCTURE GROUP**

**SECTIONS 1 THRU 10 TRAFFIC ENGINEERING DESIGN SERVICES**

Station Limits: 678+85 to 1355+00 (approximate)

TASK DESCRIPTION	NUMBER OF SHEETS	Senior Project Manager	Project Manager	Traffic Engineer	Project Designer	Engineering Designer	CADD Technician	Project Administrator	Clerical	TOTAL LABOR HRS & COSTS
<b>SECTION 1</b>										
LABOR RATE PER HOUR										
Large Sign Summary	1	\$214.81	\$210.16	\$161.91	\$136.87	\$109.33	\$90.14	\$95.66	\$85.64	18
Small Sign Summary	1				4	4	10			18
Overhead Sign Structure Summary	1				2	4	12			16
Standard Detail Drawings (TXDOT)	20				2	4	10			4
					2	2	2			
<b>SHEETS &amp; HOURS SUBTOTAL</b>	<b>32</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>28</b>	<b>56</b>	<b>132</b>	<b>0</b>	<b>0</b>	<b>224</b>
<b>SUBTOTAL LABOR COSTS - SECTION 6</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$1,295.28</b>	<b>\$3,832.36</b>	<b>\$6,122.48</b>	<b>\$11,898.48</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$23,148.60</b>
<b>SECTION 7</b>										
TASK 1: LARGE AND SMALL SIGNING DESIGN										
Large and Small Signing Layout	7			4	16	32	60			112
Guidesign Elevations	2			2	4	12	30			48
Guidesign Details	1			2	4	6	12			24
Large Sign Summary	1				4	4	10			18
Small Sign Summary	1				2	4	12			18
Overhead Sign Structure Summary	1				2	4	10			16
Standard Detail Drawings (TXDOT)	20				2	2	2			4
<b>SHEETS &amp; HOURS SUBTOTAL</b>	<b>33</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>32</b>	<b>64</b>	<b>136</b>	<b>0</b>	<b>0</b>	<b>240</b>
<b>SUBTOTAL LABOR COSTS - SECTION 7</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$1,295.28</b>	<b>\$4,379.84</b>	<b>\$6,997.12</b>	<b>\$12,259.04</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$24,831.28</b>
<b>SECTION 8</b>										
TASK 1: LARGE AND SMALL SIGNING DESIGN										
Large and Small Signing Layout	4			4	12	20	60			96
Guidesign Elevations	4			4	8	24	60			96
Guidesign Details	1			2	4	6	12			24
Large Sign Summary	1				4	4	10			18
Small Sign Summary	1				2	4	12			18
Overhead Sign Structure Summary	1				2	4	10			16
Standard Detail Drawings (TXDOT)	20				2	2	2			4
<b>SHEETS &amp; HOURS SUBTOTAL</b>	<b>32</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>32</b>	<b>64</b>	<b>166</b>	<b>0</b>	<b>0</b>	<b>272</b>
<b>SUBTOTAL LABOR COSTS - SECTION 8</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$1,619.10</b>	<b>\$4,379.84</b>	<b>\$6,997.12</b>	<b>\$14,963.24</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$27,950.30</b>
<b>SECTION 9</b>										
TASK 1: LARGE AND SMALL SIGNING DESIGN										

**EXHIBIT B-1  
ATTACHMENT B  
COMPENSATION FOR SCOPE OF SERVICES  
FORT BEND GRAND PARKWAY TOLL ROAD (SH 99) - SEGMENT D**

**TEDSI INFRASTRUCTURE GROUP**

**SECTIONS 1 THRU 10 TRAFFIC ENGINEERING DESIGN SERVICES**

Station Limits: 678+85 to 1355+00 (approximate)

TASK DESCRIPTION	NUMBER OF SHEETS	Senior Project Manager	Project Manager	Traffic Engineer	Project Designer	Engineering Designer	CADD Technician	Project Administrator	Clerical	TOTAL LABOR HRS & COSTS
<b>LABOR RATE PER HOUR</b>										
Large and Small Signaling Layout	5	\$214.81	\$210.16	\$161.91	\$136.87	\$109.33	\$90.14	\$95.66	\$85.64	96
Guidesign Elevations	4			4	8	24	60			96
Guidesign Details	2			4	8	12	24			48
Large Sign Summary	2				4	8	16			28
Small Sign Summary	1				2	4	12			18
Overhead Sign Structure Summary	1				2	4	10			16
Standard Detail Drawings (TXDOT)	20					2	2			4
<b>SHEETS &amp; HOURS SUBTOTAL</b>	<b>35</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>36</b>	<b>74</b>	<b>184</b>	<b>0</b>	<b>0</b>	<b>306</b>
<b>SUBTOTAL LABOR COSTS- SECTION 9</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$1,942.92</b>	<b>\$4,927.32</b>	<b>\$8,090.42</b>	<b>\$16,585.76</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$21,546.42</b>
<b>SECTION 10</b>										
<b>TASK 1: LARGE AND SMALL SIGNING DESIGN</b>										
Large and Small Signaling Layout	7			4	16	24	80			124
Guidesign Elevations	7			8	16	40	90			154
Guidesign Details	4			4	12	20	60			96
Large Sign Summary	4			2	4	12	30			48
Small Sign Summary	2				4	8	16			28
Overhead Sign Structure Summary	1				2	4	10			16
Standard Detail Drawings (TXDOT)	20					2	2			4
<b>SHEETS &amp; HOURS SUBTOTAL</b>	<b>45</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>54</b>	<b>110</b>	<b>288</b>	<b>0</b>	<b>0</b>	<b>470</b>
<b>SUBTOTAL LABOR COSTS - SECTION 10</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$2,914.38</b>	<b>\$7,390.98</b>	<b>\$12,026.30</b>	<b>\$25,960.32</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$46,291.98</b>

