

# DANNENBAUM ENGINEERING CORPORATION

3100 WEST ALABAMA HOUSTON, TEXAS 77098 P.O. BOX 22292 HOUSTON, TEXAS 77227 (713) 520-9570

ENGINEERING  
EXCELLENCE  
SINCE  
1945

Richard Stolleis, P.E.  
Fort Bend County  
301 Jackson Street  
Richmond, Texas 77469-3108

Invoice Date: August 14, 2014  
Invoice Period: 07/01/14 Through 07/31/14  
Invoice Number: 459301/29/II

For Professional Services:

In connection with improvements to FM 1093 from State Highway 99 to west of FM 359 in Fort Bend County  
Work Authorization No. 1, including Amendment No. 1  
P.O. Number 85425  
Mobility Bond Project #748

DESCRIPTION OF WORK TASK	TOTAL CONTRACT AMOUNTS	PERCENT COMPLETE TO DATE	AMOUNTS EARNED TO DATE	PREVIOUSLY INVOICED AMOUNTS	CURRENT INVOICE AMOUNTS
<b>Pre-Award Costs</b>					
Dannenbaum Engineering Corporation	\$ 100,000.00	100.00%	\$ 100,000.00	\$ 100,000.00	\$ -
<b>Subtotal Pre-Award Costs</b>	<b>\$ 100,000.00</b>		<b>\$ 100,000.00</b>	<b>\$ 100,000.00</b>	<b>\$ -</b>
<b>PHASE I</b>					
<b>Advanced Planning</b>					
Environmental / NEPA (Jacobs)	\$ 199,523.45	100.00%	\$ 199,523.45	\$ 199,523.45	\$ -
Environmental / NEPA (Jacobs) (Re-Evaluation)	\$ 234,991.00	10.76%	\$ 25,283.24	\$ -	\$ 25,283.24
Schematic Design (Klotz)	\$ 181,731.00	100.00%	\$ 181,731.00	\$ 181,731.00	\$ -
Drainage Impact Report (Klotz)	\$ 182,020.00	100.00%	\$ 182,020.00	\$ 182,020.00	\$ -
<b>Additional Services</b>					
Metro ROW Redesign - Schematic (Klotz)	\$ 124,250.00	95.00%	\$ 118,037.50	\$ 118,037.50	\$ -
Metro ROW Redesign - Drainage Analysis (Klotz)	\$ 50,750.00	95.00%	\$ 48,212.50	\$ 48,212.50	\$ -
Metro ROW Redesign - Schematic (DEC) (See attached for breakdown)	\$ 80,000.00	100.00%	\$ 80,000.00	\$ 80,000.00	\$ -
Metro ROW Redesign - Drainage Analysis (DEC) (See attached for breakdown)	\$ 45,000.00	100.00%	\$ 45,000.00	\$ 44,314.68	\$ 685.32
<b>Management &amp; Engineering</b>					
Management (DEC) (See attached for breakdown)	\$ 1,182,815.93	59.01%	\$ 698,003.46	\$ 651,134.94	\$ 46,868.52
Segment D Design (Costello)	\$ 1,469,342.16	39.80%	\$ 584,796.51	\$ 584,796.51	\$ -
Segment C Design (BBI)	\$ 1,333,169.00	40.31%	\$ 537,360.69	\$ 537,360.69	\$ -
Segment B Design (Half)	\$ 550,757.00	45.84%	\$ 252,441.07	\$ 252,441.07	\$ -
TCP Design (Klotz)	\$ 439,040.00	45.29%	\$ 198,828.00	\$ 198,828.00	\$ -
Traffic Engineering (Teds - Signing & Signals)	\$ 261,234.00	38.07%	\$ 99,439.94	\$ 99,439.94	\$ -
<b>Construction Management, Inspection &amp; Material Testing</b>	\$ -	0.00%	\$ -	\$ -	\$ -
<b>Extras</b>					
Survey (Weisser)	\$ 262,180.00	95.47%	\$ 250,309.21	\$ 250,309.21	\$ -
ROW Parcel Mapping (Weisser)	\$ 147,150.00	61.16%	\$ 90,000.00	\$ 90,000.00	\$ -
Geotechnical (HTS)	\$ 109,500.00	83.41%	\$ 91,333.00	\$ 91,333.00	\$ -
Signal Warrant Studies (Teds)	\$ 2,820.00	100.00%	\$ 2,820.00	\$ 2,820.00	\$ -
Utility Coordination (DEC) (See attached for breakdown)	\$ 126,434.10	58.37%	\$ 73,799.71	\$ 72,580.75	\$ 1,218.96
Utility Locating - SUE (LTRA)	\$ 63,565.82	100.00%	\$ 63,565.82	\$ 63,565.82	\$ -
Direct Expenses (DEC) (See attached for breakdown)	\$ 9,689.54	50.63%	\$ 4,905.66	\$ 4,905.66	\$ -
<b>Subtotal PHASE I</b>	<b>\$ 7,055,963.00</b>		<b>\$ 3,827,410.76</b>	<b>\$ 3,753,354.72</b>	<b>\$ 74,056.04</b>
<b>PHASE II</b>					
<b>Advanced Planning</b>					
Environmental (Klotz)	\$ 470,315.00	56.86%	\$ 267,420.83	\$ 267,420.83	\$ -
Schematic Design (Klotz)	\$ 242,986.25	45.39%	\$ 110,295.00	\$ 110,295.00	\$ -
Drainage Impact Report (Klotz)	\$ 127,776.00	56.92%	\$ 72,727.25	\$ 72,727.25	\$ -
Drainage Analysis (Costello)	\$ 19,180.00	0.00%	\$ -	\$ -	\$ -
<b>Management &amp; Engineering</b>					
Management (DEC) (See attached for breakdown)	\$ 448,546.00	57.65%	\$ 258,567.86	\$ 257,524.71	\$ 1,043.15
Segment B - Section 1 Design (Half)	\$ 606,560.00	0.00%	\$ -	\$ -	\$ -
Segment B - Section 2 Design (DEC) (See attached for breakdown)	\$ 443,710.00	0.14%	\$ 604.50	\$ 604.50	\$ -
Segment A Design (CivilCorp)	\$ 556,027.00	0.00%	\$ -	\$ -	\$ -
TCP Design (DEC) (See attached for breakdown)	\$ 287,808.00	1.93%	\$ 5,541.25	\$ 5,541.25	\$ -
Traffic Engineering (Teds - Signing & Signals)	\$ 200,182.00	0.00%	\$ -	\$ -	\$ -
<b>Construction Management, Inspection &amp; Material Testing</b>	\$ -	0.00%	\$ -	\$ -	\$ -
<b>Extras</b>					
Survey (Weisser)	\$ 20,000.00	0.00%	\$ -	\$ -	\$ -
ROW Parcel Mapping (Weisser)	\$ 178,278.00	47.41%	\$ 84,527.55	\$ 84,527.55	\$ -
Geotechnical (HTS)	\$ 113,819.75	58.38%	\$ 66,451.00	\$ 66,451.00	\$ -
Utility Coordination (DEC) (See attached for breakdown)	\$ 92,722.00	1.25%	\$ 1,158.62	\$ 1,158.62	\$ -
Utility Locating - SUE (LTRA)	\$ 27,430.00	48.44%	\$ 13,287.03	\$ 13,287.03	\$ -
Direct Expenses (DEC) (See attached for breakdown)	\$ 25,000.00	3.64%	\$ 910.90	\$ 910.90	\$ -
<b>Subtotal PHASE II</b>	<b>\$ 3,860,340.00</b>		<b>\$ 881,491.79</b>	<b>\$ 880,448.64</b>	<b>\$ 1,043.15</b>
<b>TOTALS</b>	<b>\$11,016,303.00</b>	<b>43.65%</b>	<b>\$ 4,808,902.55</b>	<b>\$ 4,733,803.36</b>	<b>\$ 75,099.19</b>

TOTAL AMOUNT DUE THIS INVOICE:

\$75,099.19

OK RWB  
8/27/14

DESCRIPTION OF WORK TASK	HOURS/UNITS	RATE	AMOUNT
<b>Details for Dannenbaum Engineering Corporation</b>			
<b>Management &amp; Engineering Phase I</b>			
Management (DEC)			
David Milner, Project Manager	14.00	\$ 313.10	\$ 4,383.40
Michael Kaspar, Project Engineer	82.00	152.37	12,494.34
David Layman, Project Surveyor	2.00	146.71	293.42
Uttam Karmaker, Project Engineer	159.00	133.25	21,186.75
Joseph Koether, Senior Engineering Technician	73.00	105.62	7,710.26
Heather Arcolas, Clerical	2.00	88.50	177.00
Amanda Mayeaux, Clerical	10.25	56.87	582.92
Tuan Nguyen, Clerical	1.00	40.43	40.43
Subtotal	343.25		\$ 46,868.52
<b>Additional Services - Metro ROW Redesign</b>			
Drainage Analysis (DEC)			
Joseph Koether, Senior Engineering Technician	6.50	\$ 105.62	\$ 686.53
Subtotal	6.50		\$ 686.53
<b>Maximum Billable</b>			<b>\$ 685.32</b>
<b>Extras - Phase I</b>			
Utility Coordination (DEC)			
Michael Kaspar, Project Engineer	8.00	\$ 152.37	\$ 1,218.96
Subtotal	8.00		\$ 1,218.96
<b>Management &amp; Engineering Phase II</b>			
Management (DEC)			
Michael Kaspar, Project Engineer	6.00	\$ 152.37	\$ 914.22
Heather Arcolas, Clerical	1.00	88.50	88.50
Tuan Nguyen, Clerical	1.00	40.43	40.43
Subtotal	8.00		\$ 1,043.15
<b>TOTAL</b>			<b>\$ 49,815.95</b>

**FM 1093 Westpark Extension  
Progress Report  
From July 10, 2014 to August 8, 2014  
Report Date: August 8, 2014**

---

**Description:** FM 1093 Westpark Tollroad Extension Phase I & II  
SH 99 to FM 359 in Fulshear

**Fort Bend County Engineer:** Richard W. Stolleis, P.E.

**Program Director:** David Milner, P.E.  
Dannenbaum Engineering Corporation (DEC) - Houston

**Progress Reported:**

The Phase I Environmental Assessment (EA) Re-evaluation continued throughout July with planning activities for the open house Public Meeting. Dannenbaum, Jacobs, and Fort Bend County met with TxDOT to coordinate and discuss Public Meeting exhibits and handouts. The Public Meeting was held at Seven Lakes High School in Katy on July 31<sup>st</sup>. Engineers from Dannenbaum and Klotz and Environmental staff from Jacobs attended the meeting to respond to questions from the public. Over 100 people attended the meeting, including public officials and representatives from various media organizations. Most public comments were related to potential sound wall locations, private property impacts, and the construction timeframe.

During July, Dannenbaum coordinated with the design team to advance the Phase I and II schematics and hydraulic analyses. Dannenbaum reviewed the Phase I schematic and provided comments to Klotz in preparation for submittal to TxDOT. Meetings were held with Klotz to discuss the Phase II design issues and monitor progress. Dannenbaum provided program updates to FBCTRA, Fort Bend County Commissioner's Court, updated the construction cost estimate, and prepared to begin Phase I segment design.

**Moving Forward:**

The Phase I EA Re-evaluation process will continue with responses to public comments, noise analysis, and preparation of the re-evaluation document. The draft re-evaluation is scheduled for submittal to TxDOT in September. Noise workshops will occur within the next few months to engage those affected by potential sound walls and determine final locations.

The design team will advance Phase I schematic and hydraulic impact re-design in anticipation of an initial submittal to TxDOT in early August. Meetings will be scheduled with TxDOT staff as needed during August to resolve review comments. As schematic design is completed, an updated preliminary construction cost estimate will be made available to the County for planning purposes. PS&E design is expected to begin in August following completion of preliminary design. At this time, final PS&E