

PO# 85425

Dms

Rec 479337

**DANNENBAUM ENGINEERING CORPORATION**

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

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

Invoice Date: January 24, 2019  
Invoice Period: 12/01/18 Through 12/31/18  
Invoice Number: 459301/81/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 - 6  
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>	\$ 100,000.00		\$ 100,000.00	\$ 100,000.00	\$ -
<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)	\$ 192,856.87	100.00%	\$ 192,856.87	\$ 192,856.87	\$ -
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	100.00%	\$ 124,250.00	\$ 124,250.00	\$ -
Metro ROW Redesign - Drainage Analysis (Klotz)	\$ 50,750.00	100.00%	\$ 50,750.00	\$ 50,750.00	\$ -
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	\$ 45,000.00	\$ -
<b>Management &amp; Engineering</b>					
Management (DEC) (See attached for breakdown)	\$ 1,200,373.44	100.00%	\$ 1,200,370.05	\$ 1,200,370.05	\$ -
Segment D Design (Costello)	\$ 1,469,342.10	100.00%	\$ 1,469,342.10	\$ 1,469,342.10	\$ -
Segment C Design (BBI)	\$ 1,376,703.72	100.00%	\$ 1,376,703.72	\$ 1,376,703.72	\$ -
Segment B Design (Half)	\$ 567,773.00	100.00%	\$ 567,773.00	\$ 567,773.00	\$ -
TCP Design (Klotz)	\$ 449,010.00	100.00%	\$ 449,010.00	\$ 449,010.00	\$ -
Traffic Engineering (Teds) - Signing & Signals)	\$ 272,279.00	100.00%	\$ 272,279.00	\$ 272,279.00	\$ -
<b>Post-Design Services</b>					
Management (DEC) (See attached for breakdown)	\$ 269,301.43	97.70%	\$ 263,098.78	\$ 261,842.56	\$ 1,256.22
Segment B Design (Half)	\$ 20,000.00	98.23%	\$ 19,646.52	\$ 19,646.52	\$ -
Segment C Design (BBI)	\$ 20,725.00	90.89%	\$ 18,837.69	\$ 18,837.69	\$ -
Segment D Design (Costello)	\$ 81,672.00	99.47%	\$ 81,241.67	\$ 75,448.01	\$ 5,793.66
Traffic Engineering (Teds) - Signing & Signals)	\$ 31,733.36	89.01%	\$ 28,247.36	\$ 28,247.36	\$ -
Toll Gantry (Ramos)	\$ 7,935.00	90.86%	\$ 7,210.01	\$ 7,210.01	\$ -
TCP & Drainage (Klotz)	\$ 22,787.50	100.00%	\$ 22,787.50	\$ 21,812.50	\$ 975.00
Survey (Weisser)	\$ 15,000.00	100.00%	\$ 15,000.00	\$ 15,000.00	\$ -
Geotechnical (HTS)	\$ 7,872.00	100.00%	\$ 7,872.00	\$ 7,872.00	\$ -
<b>HEB Right Turn Lane</b>					
Drainage (Klotz)	\$ 2,212.50	100.00%	\$ 2,212.50	\$ 2,212.50	\$ -
Management (DEC)	\$ 2,598.68	100.00%	\$ 2,598.68	\$ 2,598.68	\$ -
Segment C Design (BBI)	\$ 2,500.00	100.00%	\$ 2,500.00	\$ 2,500.00	\$ -
<b>Extras</b>					
Survey (Weisser)	\$ 262,180.00	100.00%	\$ 262,180.00	\$ 262,180.00	\$ -
ROW Parcel Mapping (Weisser)	\$ 156,379.21	100.00%	\$ 156,379.21	\$ 156,379.21	\$ -
Geotechnical (HTS)	\$ 120,970.00	100.00%	\$ 120,970.00	\$ 120,970.00	\$ -
Signal Warrant Studies (Teds)	\$ 2,820.00	100.00%	\$ 2,820.00	\$ 2,820.00	\$ -
Illumination (Teds)	\$ 53,376.83	100.00%	\$ 53,376.83	\$ 53,376.83	\$ -
Utility Coordination (DEC) (See attached for breakdown)	\$ 126,286.62	100.00%	\$ 126,286.62	\$ 126,286.62	\$ -
Utility Locating - SUE (LTRA)	\$ 63,565.82	100.00%	\$ 63,565.82	\$ 63,565.82	\$ -
Survey - Stake Right-of-Way (Weisser) Post-Design Services	\$ 13,520.00	100.00%	\$ 13,520.00	\$ 13,520.00	\$ -
Direct Expenses (DEC) (See attached for breakdown)	\$ 9,688.47	100.00%	\$ 9,688.47	\$ 9,688.47	\$ -
<b>Subtotal PHASE I</b>	\$ 7,684,737.00		\$ 7,671,648.85	\$ 7,663,623.97	\$ 8,024.88

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<b>PHASE II</b>					
<b>Advanced Planning</b>					
Environmental (Klotz)	\$ 552,394.25	100.00%	\$ 552,394.25	\$ 552,394.25	\$ -
Schematic Design (Klotz)	\$ 242,986.25	100.00%	\$ 242,986.25	\$ 242,986.25	\$ -
Drainage Impact Report (Klotz)	\$ 136,246.00	96.28%	\$ 131,176.00	\$ 131,176.00	\$ -
Drainage Analysis (Costello)	\$ 19,180.00	98.88%	\$ 18,964.76	\$ 18,964.76	\$ -
<b>Management &amp; Engineering</b>					
Management (DEC) (See attached for breakdown)	\$ 557,882.00	98.58%	\$ 549,965.07	\$ 549,965.07	\$ -
Segment B - Section 2 Design (Half)	\$ 606,560.00	100.00%	\$ 606,560.00	\$ 606,560.00	\$ -
Segment B - Section 1 Design (DEC) (See attached for breakdown)	\$ 587,135.00	100.00%	\$ 587,135.00	\$ 587,135.00	\$ -
Segment A Design (CivilCorp)	\$ 608,288.40	100.00%	\$ 608,288.40	\$ 608,288.40	\$ -
TCP Design (DEC) (See attached for breakdown)	\$ 131,006.53	100.00%	\$ 131,006.53	\$ 131,006.53	\$ -
Traffic Engineering (Teds - Signing & Signals)	\$ 231,670.24	98.46%	\$ 228,099.24	\$ 228,099.24	\$ -
<b>Construction Management, Inspection &amp; Material Testing</b>	\$ -	0.00%	\$ -	\$ -	\$ -
<b>Extras</b>					
Survey (Weisser)	\$ 17,073.08	100.00%	\$ 17,073.08	\$ 17,073.08	\$ -
ROW Parcel Mapping (Weisser)	\$ 216,554.47	100.00%	\$ 216,554.47	\$ 216,554.47	\$ -
Geotechnical (HTS)	\$ 124,251.00	100.00%	\$ 124,248.50	\$ 124,248.50	\$ -
Utility Coordination (DEC) (See attached for breakdown)	\$ 135,333.00	100.00%	\$ 135,333.00	\$ 135,333.00	\$ -
Utility Relocation Design (DEC) (See attached for breakdown)	\$ 59,807.00	89.58%	\$ 53,573.93	\$ 52,327.09	\$ 1,246.84
Utility Locating - SUE (LTRA)	\$ 17,310.78	100.00%	\$ 17,310.78	\$ 17,310.78	\$ -
Direct Expenses (DEC) (See attached for breakdown)	\$ 20,000.00	98.88%	\$ 19,776.69	\$ 19,729.27	\$ 47.42
<b>Phase II-A Post-Design Services</b>					
<b>Management &amp; Engineering</b>					
Management (DEC) (See attached for breakdown)	\$ 103,688.00	78.37%	\$ 81,260.04	\$ 78,119.49	\$ 3,140.55
Segment B Design (DEC) (See attached for breakdown)	\$ 18,130.00	41.04%	\$ 7,440.49	\$ 7,440.49	\$ -
Segment B Design (Half)	\$ 43,973.00	87.05%	\$ 38,277.31	\$ 32,464.15	\$ 5,813.16
Traffic Engineering (Teds - Signing, Signals, Illumination)	\$ 18,056.00	66.25%	\$ 12,322.66	\$ 12,322.66	\$ -
<b>Phase II-B Post-Design Services</b>					
<b>Management &amp; Engineering</b>					
Management (DEC) (See attached for breakdown)	\$ 40,000.00	9.41%	\$ 3,762.44	\$ -	\$ 3,762.44
Segment A Design (Civil Corp)	\$ 30,000.00	24.10%	\$ 7,231.44	\$ -	\$ 7,231.44
Traffic Engineering (Teds - Signing, Signals, Illumination)	\$ 10,000.00	0.00%	\$ -	\$ -	\$ -
<b>Extras</b>					
Survey - Stake Right-of-Way (Weisser)	\$ 27,500.00	100.00%	\$ 27,500.00	\$ 27,500.00	\$ -
ROW Parcel Mapping (Weisser)	\$ 8,000.00	0.00%	\$ -	\$ -	\$ -
Geotechnical Engineering (HTS)	\$ 10,000.00	34.11%	\$ 3,411.00	\$ 3,411.00	\$ -
<b>Subtotal PHASE II</b>	<b>\$ 4,573,025.00</b>		<b>\$ 4,421,651.33</b>	<b>\$ 4,400,409.48</b>	<b>\$ 21,241.85</b>
<b>TOTALS</b>	<b>\$ 12,357,762.00</b>	<b>98.67%</b>	<b>\$ 12,193,300.18</b>	<b>\$ 12,164,033.45</b>	<b>\$ 29,266.73</b>

**TOTAL AMOUNT DUE THIS INVOICE: \$29,266.73**

459301/MJK/II

*ok to pay*  
*[Signature]*  
 2/1/19

DESCRIPTION OF WORK TASK	HOURS/UNITS	RATE	AMOUNT
<b>Details for Dannenbaum Engineering Corporation</b>			
<b>Phase I Post-Design Services</b>			
<b>Management &amp; Engineering Phase I</b>			
Management (DEC)			
Michael Kaspar, Project Manager	6.00	\$ 209.37	\$ 1,256.22
Subtotal	6.00		\$ 1,256.22
<b>Management &amp; Engineering Phase II</b>			
Utility Relocation Design - Phase II			
Carl McConnell, Senior Engineer	4.00	\$ 311.71	\$ 1,246.84
Subtotal	4.00		\$ 1,246.84
<b>Direct Expenses - Phase II</b>			
M. Kaspar - Mileage			
Subtotal	87.00	\$ 0.545	\$ 47.42
<b>Phase II-A Post-Design Services (SA6)</b>			
<b>Management &amp; Engineering Phase II-A (SA6)</b>			
Management (DEC)			
Michael Kaspar, Project Manager	15.00	\$ 209.37	\$ 3,140.55
Subtotal	15.00		\$ 3,140.55
<b>Phase II-B Post-Design Services</b>			
<b>Management &amp; Engineering Phase II-B</b>			
Management (DEC)			
Michael Kaspar, Project Engineer	12.00	\$ 209.37	\$ 2,512.44
Yue Cui, Project Engineer	10.00	125.00	1,250.00
Subtotal	22.00		\$ 3,762.44
<b>TOTAL</b>			<b>\$ 9,453.47</b>

**FM 1093 Westpark Extension  
Progress Report  
From December 15, 2018 to January 10, 2019  
Report Date: January 10, 2019**

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

**Project Manager:** Michael J. Kaspar, P.E.  
Dannenbaum Engineering Corporation (DEC) - Houston

**Phase I Construction Phase Services**

- Attended Weekly Construction Meetings.
- Finalized review of detention pond as-built condition and capacity.
- Provided final recommendation for restrictor plate and grading revision to Resident Engineer.

**Phase II-A Construction Phase Services**

- Attended Weekly Construction Meetings.
- Coordinated with utility companies and construction team to resolve conflicts with existing and abandoned utilities.
- Met with MCI representative and reviewed options to resolve conflict with 10'x8' RCB along south ROW.
- Coordinated with enTouch and CenterPoint Gas to complete relocations for 10'x8' RCB at northeast corner of FM 1463 intersection.
- Reviewed Flewellen Place Lane construction limits and access.
- Responded to clarification requests from construction team.

**Phase II-B Construction Phase Services**

- Coordinated with Utility Companies to complete utility relocations and provided updates to TxDOT. All relocations through Phase II-B are scheduled to be complete by the end of January, with the exception of AT&T. AT&T is expected to be complete by March 2019.
- Reviewed ROW Staking and Clearing for utility work.
- Reviewed Wetland Permit status and transfer options.
- Reviewed revised material submittals of MH & Inlets and Junction Boxes.



Michael J. Kaspar, P.E.

