

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: December 27, 2017
Invoice Period: 11/01/17 Through 11/30/17
Invoice Number: 459301/68/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 - 5
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
Pre-Award Costs					
Dannenbaum Engineering Corporation	\$ 100,000.00	100.00%	\$ 100,000.00	\$ 100,000.00	\$ -
Subtotal Pre-Award Costs	\$ 100,000.00		\$ 100,000.00	\$ 100,000.00	\$ -
PHASE I					
Advanced Planning					
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	\$ -
Additional Services					
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	\$ -
Management & Engineering					
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 (Halff)	\$ 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	\$ -
Post-Design Services					
Management (DEC) (See attached for breakdown)	\$ 251,801.43	94.07%	\$ 236,867.50	\$ 231,947.62	\$ 4,919.88
Segment B Design (Halff)	\$ 18,000.00	98.27%	\$ 17,688.70	\$ 17,688.70	\$ -
Segment C Design (BBI)	\$ 26,725.00	70.49%	\$ 18,837.69	\$ 18,837.69	\$ -
Segment D Design (Costello)	\$ 93,672.00	80.54%	\$ 75,448.01	\$ 74,937.26	\$ 510.75
Traffic Engineering (Teds - Signing & Signals)	\$ 31,733.36	89.01%	\$ 28,247.36	\$ 28,247.36	\$ -
Toll Gantry (Ramos)	\$ 5,500.00	95.61%	\$ 5,258.29	\$ 5,258.29	\$ -
TCP & Drainage (Klotz)	\$ 26,722.50	59.25%	\$ 15,832.50	\$ 15,832.50	\$ -
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	\$ -
HEB Right Turn Lane					
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	\$ -
Extras					
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	\$ -
Subtotal PHASE I	\$ 7,684,737.00		\$ 7,628,759.37	\$ 7,623,328.74	\$ 5,430.63

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PHASE II					
Advanced Planning					
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	\$ 127,776.00	\$ 3,400.00
Drainage Analysis (Costello)	\$ 19,180.00	98.88%	\$ 18,964.76	\$ 18,964.76	\$ -
Management & Engineering					
Management (DEC) (See attached for breakdown)	\$ 559,882.00	92.05%	\$ 515,374.78	\$ 506,264.34	\$ 9,110.44
Segment B - Section 2 Design (Halff)	\$ 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	\$ 543,710.00	\$ 43,425.00
Segment A Design (CivilCorp)	\$ 608,288.40	91.41%	\$ 556,006.40	\$ 556,006.40	\$ -
TCP Design (DEC) (See attached for breakdown)	\$ 131,006.53	89.57%	\$ 117,337.63	\$ 108,672.71	\$ 8,664.92
Traffic Engineering (Teds - Signing & Signals)	\$ 231,670.24	96.49%	\$ 223,537.27	\$ 223,537.27	\$ -
Construction Management, Inspection & Material Testing	\$ -	0.00%	\$ -	\$ -	\$ -
Extras					
Survey (Weisser)	\$ 17,073.08	1.97%	\$ 335.89	\$ 335.89	\$ -
ROW Parcel Mapping (Weisser)	\$ 216,554.47	85.22%	\$ 184,554.47	\$ 184,554.47	\$ -
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	\$ 99,252.35	\$ 36,080.65
Utility Relocation Design (DEC) (See attached for breakdown)	\$ 59,807.00	1.74%	\$ 1,043.41	\$ -	\$ 1,043.41
Utility Locating - SUE (LTRA)	\$ 17,310.78	100.00%	\$ 17,310.78	\$ 17,310.78	\$ -
Direct Expenses (DEC) (See attached for breakdown)	\$ 18,000.00	93.35%	\$ 16,803.87	\$ 16,803.87	\$ -
Phase II-A Post-Design Services					
Management & Engineering					
Management (DEC) (See attached for breakdown)	\$ 143,688.00	0.00%	\$ -	\$ -	\$ -
Segment B Design (DEC) (See attached for breakdown)	\$ 48,130.00	0.00%	\$ -	\$ -	\$ -
Segment B Design (Halff)	\$ 53,973.00	0.00%	\$ -	\$ -	\$ -
Traffic Engineering (Teds - Signing, Signals, Illumination)	\$ 28,056.00	0.00%	\$ -	\$ -	\$ -
Extras					
Survey - Stake Right-of-Way (Weisser)	\$ 27,500.00	0.00%	\$ -	\$ -	\$ -
ROW Parcel Mapping (Weisser)	\$ 8,000.00	0.00%	\$ -	\$ -	\$ -
Subtotal PHASE II	\$ 4,573,025.00		\$ 4,031,102.26	\$ 3,929,377.84	\$ 101,724.42
TOTALS	\$ 12,357,762.00	95.16%	\$ 11,759,861.63	\$ 11,652,706.58	\$ 107,155.05

TOTAL AMOUNT DUE THIS INVOICE: \$107,155.05

459301/DRM/II

*ok to pay
 RWB 1/3/18*

DESCRIPTION OF WORK TASK	HOURS/UNITS	RATE	AMOUNT
Details for Dannenbaum Engineering Corporation			
Phase I Post-Design Services			
Management & Engineering Phase I			
Management (DEC)			
Michael Kaspar, Project Engineer	24.00	\$ 196.87	\$ 4,724.88
Miguel Tellez, Clerical	3.75	52.00	195.00
Subtotal	27.75		\$ 4,919.88
Management & Engineering Phase II			
Management (DEC)			
Keith Frederickson, Senior Engineering Technician	47.00	\$ 140.06	\$ 6,582.82
Heather Arcolas, Clerical	9.75	96.56	941.46
Heather Arcolas, Clerical	5.50	98.43	541.37
Leslie Manzano, Clerical	4.00	53.63	214.52
Miguel Tellez, Clerical	5.30	48.73	258.27
Miguel Tellez, Clerical	11.00	52.00	572.00
Subtotal	82.55		\$ 9,110.44
Segment B - Section 1 Design - Phase II			
Segment B - Section 1 Design			
Michel Maksoud, Principal	1.00	\$ 398.81	\$ 398.81
Maen Hourani, Project Manager	4.00	224.99	899.96
Michael Kaspar, Project Engineer	124.80	185.62	23,165.38
Ina Caceras, Project Engineer	96.50	130.16	12,560.44
Najib Azouggagh, Project Engineer	6.00	107.81	646.86
Jeremiah Jones, Project Engineer	52.00	86.25	4,485.00
May Ahmad, Engineering Technician	14.00	91.00	1,274.00
Subtotal	298.30		\$ 43,430.45
MAXIMUM BILLABLE			\$ 43,425.00
TCP Design - Phase II			
TCP Design			
John Farah, Project Engineer	94.00	\$ 92.18	\$ 8,664.92
Subtotal	94.00		\$ 8,664.92
Extras - Phase II			
Utility Coordination - Phase II			
Michael Kaspar, Project Engineer	182.00	\$ 185.62	\$ 33,782.84
Michael Kaspar, Project Engineer	11.70	196.87	2,303.38
Subtotal	193.70		\$ 36,086.22
MAXIMUM BILLABLE			\$ 36,080.65
Utility Relocation Design - Phase II			
Michael Kaspar, Project Engineer	5.30	\$ 196.87	\$ 1,043.41
Subtotal	5.30		\$ 1,043.41
TOTAL			\$ 103,244.30

**FM 1093 Westpark Extension
Progress Report
From November 8, 2017 to December 13, 2017
Report Date: December 13, 2017**

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

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

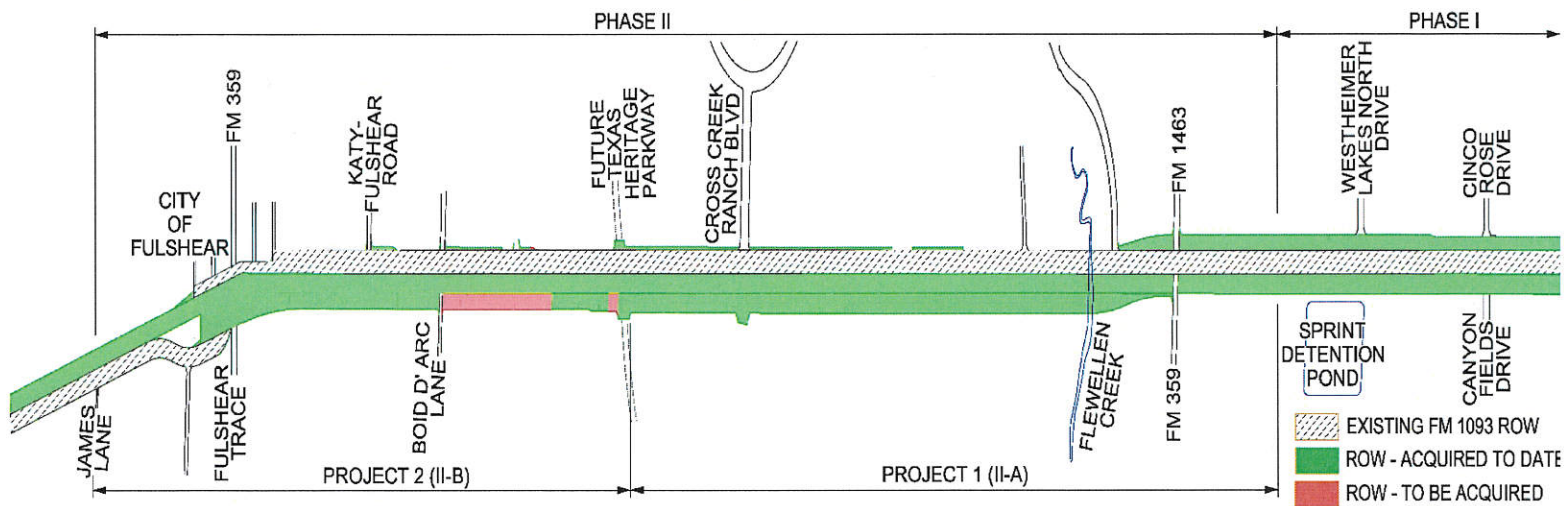
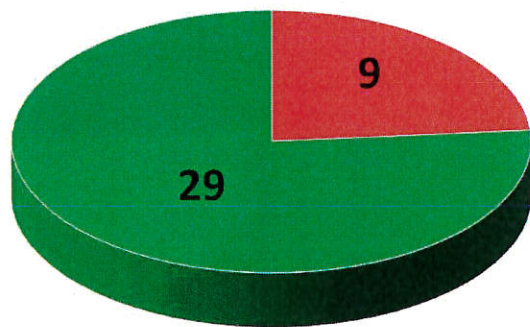
Phase II Project Description

Phase II consists of extending the frontage roads along FM 1093 from FM 1463/FM 359 (Phase I Limits) to west of Cross Creek Ranch. A proposed boulevard roadway continues west and connects to the existing FM 1093 roadway at James Lane in Fulshear.

Phase II ROW Acquisition Summary

• Total Parcels	-	38
• Parcels Acquired	-	29
• Parcels Ready to Close	-	2
• Parcels in Condemnation	-	7
• Parcels to be Donated	-	0

Number of Parcels Acquired to Date

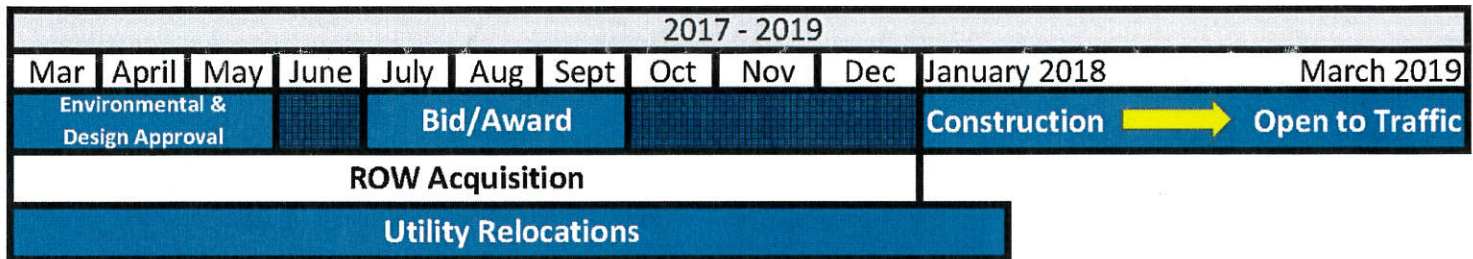


**FM 1093 Westpark Extension
Progress Report
From November 8, 2017 to December 13, 2017
Report Date: December 13, 2017**

Phase II-A – Project Timeline (FM 359/FM 1463 to West of Cross Creek Ranch)

- Begin Construction: Pending completion of Contract Documents
- Complete Construction: March 2019

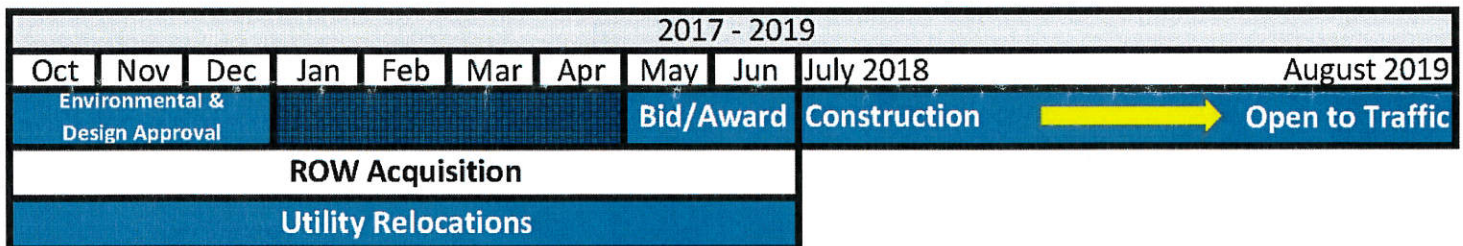
PHASE II-A – PROJECT TIMELINE



Phase II-B – Project Timeline (West of Cross Creek Ranch to James Lane in Fulshear)

- TxDOT plans to construct Phase II-B
- Expect to Advertise and Open Bids in Mid-2018
- Begin Construction: Summer 2018
- Complete Construction: Summer 2019

PHASE II-B – PROJECT TIMELINE




David R. Milner, P.E.