

PO # 85425
 Dms Rec 472062
 ENGINEERING
 EXCELLENCE
 SINCE
 1945

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: November 14, 2018
 Invoice Period: 10/01/18 Through 10/31/18
 Invoice Number: 459301/79/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
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 (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	\$ -
Post-Design Services					
Management (DEC) (See attached for breakdown)	\$ 269,301.43	96.84%	\$ 260,795.71	\$ 259,220.75	\$ 1,574.96
Segment B Design (Half)	\$ 20,000.00	98.23%	\$ 19,646.52	\$ 19,646.52	\$ -
Segment C Design (BBI)	\$ 26,725.00	70.49%	\$ 18,837.69	\$ 18,837.69	\$ -
Segment D Design (Costello)	\$ 81,672.00	92.38%	\$ 75,448.01	\$ 75,448.01	\$ -
Traffic Engineering (Teds) - Signing & Signals)	\$ 31,733.36	89.01%	\$ 28,247.36	\$ 28,247.36	\$ -
Toll Gantry (Ramos)	\$ 8,000.00	90.13%	\$ 7,210.01	\$ 7,210.01	\$ -
TCP & Drainage (Klotz)	\$ 16,722.50	94.68%	\$ 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		\$ 7,656,597.12	\$ 7,655,022.16	\$ 1,574.96

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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	\$ 131,176.00	\$ -
Drainage Analysis (Costello)	\$ 19,180.00	98.88%	\$ 18,964.76	\$ 18,964.76	\$ -
Management & Engineering					
Management (DEC) (See attached for breakdown)	\$ 557,882.00	98.24%	\$ 548,080.74	\$ 547,622.00	\$ 458.74
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	\$ -
Construction Management, Inspection & Material Testing	\$ -	0.00%	\$ -	\$ -	\$ -
Extras					
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	86.10%	\$ 51,494.30	\$ 51,100.56	\$ 393.74
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	97.49%	\$ 19,497.77	\$ 19,417.43	\$ 80.34
Phase II-A Post-Design Services					
Management & Engineering					
Management (DEC) (See attached for breakdown)	\$ 143,688.00	51.02%	\$ 73,303.98	\$ 67,791.62	\$ 5,512.36
Segment B Design (DEC) (See attached for breakdown)	\$ 38,130.00	19.51%	\$ 7,440.49	\$ 7,440.49	\$ -
Segment B Design (Half)	\$ 53,973.00	56.29%	\$ 30,381.78	\$ 29,361.73	\$ 1,020.05
Traffic Engineering (Teds - Signing, Signals, Illumination)	\$ 28,056.00	40.85%	\$ 11,460.82	\$ 11,460.82	\$ -
Extras					
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	\$ -
Subtotal PHASE II	\$ 4,573,025.00		\$ 4,389,701.14	\$ 4,382,235.91	\$ 7,465.23
TOTALS	\$ 12,357,762.00	98.29%	\$ 12,146,298.26	\$ 12,137,258.07	\$ 9,040.19

TOTAL AMOUNT DUE THIS INVOICE: \$9,040.19

459301/MJK/II

ok to pay
11/20/18

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	8.00	\$ 196.87	\$ 1,574.96
Subtotal	8.00		\$ 1,574.96
Management & Engineering Phase II			
Management (DEC)			
Michael Kaspar, Project Engineer	2.00	\$ 196.87	\$ 393.74
Tracy Adam, Clerical	1.00	65.00	65.00
Subtotal	3.00		\$ 458.74
Utility Relocation Design - Phase II			
Michael Kaspar, Project Engineer	2.00	\$ 196.87	\$ 393.74
Subtotal	2.00		\$ 393.74
Direct Expenses - Phase II			
Sonlife Corporation - Delivery Service			
M. Kaspar - Mileage	113.00	\$ 0.545	\$ 18.75
Subtotal			\$ 61.59
Phase II-A Post-Design Services (SA6)			
Management & Engineering Phase II-A (SA6)			
Management (DEC)			
Michael Kaspar, Project Engineer	28.00	\$ 196.87	\$ 5,512.36
Subtotal	28.00		\$ 5,512.36
TOTAL			\$ 8,020.14

**FM 1093 Westpark Extension
Progress Report
From October 11, 2018 to November 12, 2018
Report Date: November 13, 2018**

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

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

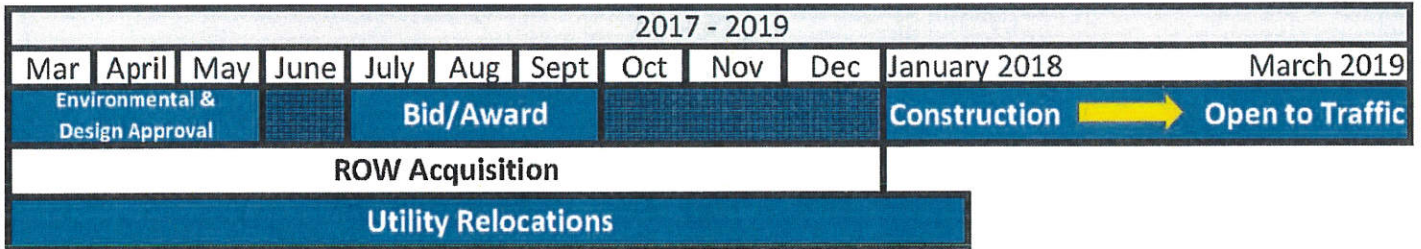
Phase I Construction Phase Services

- Reviewed Detention Pond grading and earthwork quantities provided by contractor.
- Completed survey of existing Detention Ponds to verify earthwork.
- Coordinated with Segment Designer and Drainage Designer to review detention pond as-built condition and verify sufficient capacity.

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

- Construction: January 2018 to March 2019

PHASE II-A – PROJECT TIMELINE



Phase II-A Construction Phase Services

- Coordinated with Utility Companies to complete utility relocations. All relocations through Phase II-B are scheduled to be complete by the end of December, with the exception of AT&T. AT&T is expected to be complete by March 2019.
- Coordinated with construction team to resolve conflicts between proposed storm sewer and existing/abandoned utilities.
- Reviewed options to resolve conflicts between proposed 10'x8' RCB and existing utilities at FM 1463 intersection.
- Reviewed driveways to improve slopes to tie-ins.
- Began review of LGP Workbook items.

Michael J. Kaspar, P.E.



SONLIFE CORPORATION
 21811 KATY FREEWAY D-109
 KATY, TEXAS 77450
 281-440-9800

Customer Number
Invoice Number
65128
Invoice Date
10/15/2018

		Reference	3487-11		
Date Ready	Order ID	Origin	Destination	References	Billing Group
10/2/2018 9:19 AM	554858	Dannenbaum Engineering	Allen Boone Humphries Robinso	3487-11	
Direct		3100 W Alabama St	3200 Southwest Fwy Suite 2600		
10/2/2018 9:50 AM	Terttu Britton (713) 527-6376	Houston TX 77098-2004	Houston TX 77027-7537		
			Direct		\$7.00
			Pieces		\$0.00
			Weight		\$0.00
POD: Ms.d. Thomas			Order Total:		\$7.00
			On Demand Totals:		\$7.00
			Reference - 3487-11 Total:		\$7.00

		Reference	4341-84		
On Demand					
Date Ready	Order ID	Origin	Destination	References	Billing Group
10/9/2018 8:00 AM	555271	Dannenbaum Engineering	Allen Boone Humphries Robinso	4341-84	
Regular		3100 W Alabama St	3200 Southwest Fwy Ste 2600		
10/9/2018 9:27 AM	Anita Yarbrough (713) 527-6473	Houston TX 77098-2004	Houston TX 77027-7537		
			Regular		\$8.00
			Pieces		\$0.00
			Weight		\$0.00
POD: Debra Thomas			Order Total:		\$8.00
			On Demand Totals:		\$8.00
			Reference - 4341-84 Total:		\$8.00

		Reference	459302		
On Demand					
Date Ready	Order ID	Origin	Destination	References	Billing Group
10/4/2018 11:48 AM	555073	Dannenbaum Engineering	Center Point Energy	459302	
Direct		3100 W Alabama St	4700 S Shaver St Bldg I		
10/4/2018 12:55 PM	Jenny Parker	Houston TX 77098-2004	Houston TX 77034		
			Direct		\$18.75
			Pieces		\$0.00
POD: Don Johnson			Order Total:		\$18.75
			On Demand Totals:		\$18.75
			Reference - 459302 Total:		\$18.75

		Reference	5128-01		
On Demand					
Date Ready	Order ID	Origin	Destination	References	Billing Group

