

# DANNENBAUM ENGINEERING CORPORATION

ENGINEERING  
EXCELLENCE  
SINCE  
1945

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

Richard Stolleis, P.E.  
Fort Bend County  
P.O. Box 1449  
Rosenberg, Texas 77471

P.O. 85425

Invoice Date: October 11, 2012  
Invoice Period: 09/01/12 Through 09/30/12  
Invoice Number: 459301/11/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

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>PHASE I</b>					
<b>Advanced Planning</b>					
Environmental / NEPA (Jacobs)	\$ 189,506.00	75.15%	\$ 142,406.69	\$ 134,972.42	\$ 7,434.27
Schematic Design (Klotz)	\$ 181,731.00	98.00%	\$ 178,096.38	\$ 178,096.38	\$ -
Drainage Impact Report (Klotz)	\$ 182,020.00	98.00%	\$ 178,379.60	\$ 178,379.60	\$ -
<b>Management &amp; Engineering</b>					
Management (DEC) (See attached for breakdown)	\$ 1,126,445.09	29.19%	\$ 328,802.63	\$ 286,029.97	\$ 42,772.66
Segment D Design (Costello)	\$ 925,000.00	31.64%	\$ 292,650.73	\$ 243,973.34	\$ 48,677.39
Segment C Design (BBI)	\$ 925,000.00	26.95%	\$ 249,318.29	\$ 212,635.05	\$ 36,683.24
Segment B Design (Half)	\$ 350,000.00	36.06%	\$ 126,201.38	\$ 88,499.30	\$ 37,702.08
TCP Design (Klotz)	\$ 284,040.00	32.00%	\$ 90,892.80	\$ 68,169.60	\$ 22,723.20
Traffic Engineering (Teds - Signing & Signals)	\$ 208,176.00	26.85%	\$ 55,895.49	\$ 44,742.10	\$ 11,153.39
<b>Construction Management, Inspection &amp; Material Testing</b>	\$ -	0.00%	\$ -	\$ -	\$ -
<b>Extras</b>					
Survey (Weisser)	\$ 272,180.00	90.05%	\$ 245,085.51	\$ 244,907.62	\$ 177.89
ROW Parcel Mapping (Weisser)	\$ 90,000.00	100.00%	\$ 90,000.00	\$ 77,027.96	\$ 12,972.04
Geotechnical (HTS)	\$ 100,000.00	91.33%	\$ 91,333.00	\$ 91,333.00	\$ -
Signal Warrant Studies (Teds)	\$ 2,820.00	100.00%	\$ 2,820.00	\$ 2,538.00	\$ 282.00
Utility Coordination (DEC) (See attached for breakdown)	\$ 116,451.55	35.74%	\$ 41,619.70	\$ 37,720.56	\$ 3,899.14
Utility Locating - SUE (LTRA)	\$ 63,565.82	0.00%	\$ -	\$ -	\$ -
Direct Expenses (DEC) (See attached for breakdown)	\$ 39,689.54	3.25%	\$ 1,290.22	\$ 1,122.61	\$ 167.61
<b>PHASE II</b>					
<b>Advanced Planning</b>					
Environmental (Klotz)	\$ 297,135.00	64.00%	\$ 190,165.92	\$ 154,509.81	\$ 35,656.11
Schematic Design (Klotz)	\$ 116,100.00	85.00%	\$ 98,685.00	\$ 69,660.00	\$ 29,025.00
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Segment B - Section 2 Design (DEC) (See attached for breakdown)	\$ 443,710.00	0.00%	\$ -	\$ -	\$ -
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TCP Design (DEC) (See attached for breakdown)	\$ 287,808.00	0.00%	\$ -	\$ -	\$ -
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)	\$ 50,000.00	0.00%	\$ -	\$ -	\$ -
ROW Parcel Mapping (Weisser)	\$ 95,945.00	71.75%	\$ 68,840.54	\$ 49,411.68	\$ 19,428.86
Geotechnical (HTS)	\$ 115,000.00	24.90%	\$ 28,635.00	\$ -	\$ 28,635.00
Utility Coordination (DEC) (See attached for breakdown)	\$ 92,722.00	0.31%	\$ 287.50	\$ 143.75	\$ 143.75
Utility Locating - SUE (LTRA)	\$ 46,610.00	0.00%	\$ -	\$ -	\$ -
Direct Expenses (DEC) (See attached for breakdown)	\$ 25,000.00	0.41%	\$ 101.57	\$ -	\$ 101.57
<b>TOTALS</b>	<b>\$ 8,406,965.00</b>	<b>32.35%</b>	<b>\$ 2,719,598.06</b>	<b>\$ 2,340,566.77</b>	<b>\$ 379,031.29</b>

**TOTAL AMOUNT DUE THIS INVOICE: \$379,031.29**

de Rudy  
10/17/12

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	44.00	\$ 313.10	\$ 13,776.40
Michael Kaspar, Project Engineer	60.00	143.75	8,625.00
David Layman, Project Surveyor	1.50	139.72	209.58
Uttam Karmaker, Project Engineer	152.00	128.12	19,474.24
Heather Arcolas, Clerical	1.50	85.93	128.90
Tuan Nguyen, Clerical	14.50	38.52	558.54
Subtotal	273.50		\$ 42,772.66
<b>Extras - Phase I</b>			
Utility Coordination (DEC)			
Michael Kaspar, Project Engineer	2.00	\$ 143.75	\$ 287.50
Loc Dang, Project Engineer	33.50	107.81	3,611.64
Subtotal	35.50		\$ 3,899.14
<b>Direct Expenses - Phase I</b>			
D. Milner - Mileage	98.00	\$ 0.555	\$ 54.39
M. Kaspar - Mileage	204.00	0.555	113.22
Subtotal			\$ 167.61
<b>Management &amp; Engineering Phase II</b>			
Management (DEC)			
David Milner, Project Manager	41.00	\$ 313.10	\$ 12,837.10
David Overstreet, Project Engineer	12.00	143.75	1,725.00
Michael Kaspar, Project Engineer	46.00	143.75	6,612.50
Uttam Karmaker, Project Engineer	8.00	128.12	1,024.96
Tuan Nguyen, Clerical	1.50	38.52	57.78
Subtotal	108.50		\$ 22,257.34
<b>Extras - Phase II</b>			
Utility Coordination - Phase II			
Michael Kaspar, Project Engineer	1.00	\$ 143.75	\$ 143.75
Subtotal	1.00		\$ 143.75
<b>Direct Expenses - Phase II</b>			
D. Milner - Mileage	183.00	\$ 0.555	\$ 101.57
Subtotal			\$ 101.57
<b>TOTAL</b>			<b>\$ 69,342.07</b>

**Progress Report No. 11**  
**From September 01, 2012 to September 30, 2012**  
**Report Date: October 10, 2012**

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**Mobility Bond Project #748, Precinct 3**

**Description:** FM 1093 Westpark Tollroad Extension Phase I  
SH 99 to FM 359

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

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

**Narrative:**

Our efforts in September were focused on the completion of the schematic design, hydraulic impact analysis, and the draft environmental assessment. The revised Draft EA was re-submitted to TxDOT Austin ENV on September 20. We anticipate that the document will be approved by TxDOT for submittal to FHWA in October. The final Schematic was submitted to TxDOT Austin on August 23. The Hydraulic Impact Report was re-submitted to TxDOT on August 21 followed by meetings with TxDOT to discuss review comments. We met with TxDOT on September 28 to discuss additional review comments related to ditch design. During September we continued design and plan production toward a 30% PS&E submittal to TxDOT. We received 30% plans from segment designers on September 20, provided review comments, and met to resolve issues. We also met with the Fort Bend County Toll Road Authority on September 25 to discuss main lane tolling and ramp locations. A more detailed list of September activities is shown below.

**Activities This Month:**

**Environmental Process**

- Completed revisions to Draft EA based on TxDOT Austin ENV comments.
- Received and addressed additional comments from TxDOT's noise section.

**Survey**

- Completed work on preliminary parcel drawings and metes and bounds descriptions.

**Geotechnical**

- Completed revisions to geotechnical report based on internal review comments.

**Schematic**

- Updated cross sections based on revised drainage design.

**Progress Report No. 11**  
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**Hydraulic Impact Report**

- Revised hydraulic design based on TxDOT comments.
- Prepared report for submittal to TxDOT.
- Met with TxDOT on September 28 to discuss review comments related to ditch design.
- Created alternative designs to address TxDOT comments.

**Utilities**

- Continued utility research based on an initial utility inventory.
- Continued coordination with private utility companies.
- Updated utility conflict list.
- Updated S.U.E. plans to begin S.U.E. work in October.

**Segment Design (PS&E)**

- Reviewed schematic and hydraulic impact analysis.
- Continued preparation of PS&E documents.
- Completed 30% PS&E package.
- Met to discuss and resolve 30% PS&E review comments.

**Approvals and Deliverables this Month:**

- Submitted Geotechnical Report to TxDOT on September 10.
- Submitted FM 723/Spring Green Bridge Layout Package to TxDOT on September 17.
- Submitted Katy-Gaston Bridge Layout Package to TxDOT on September 17.
- Submitted Typical Section Package to TxDOT on September 21.
- Submitted revised Draft EA to TxDOT Austin ENV on September 20.
- Received 30% plans from Segment Designers on September 20.
- Received approval of Hydraulic Impact drainage concept from L.I.D. #12 on September 27.

**Activities Next Month:**

**Environmental Process**

- Address additional Draft EA comments from TxDOT Austin ENV.
- Submit Draft EA to FHWA.

**Survey**

- Address issues or comments from designers.

**Geotechnical**

- Address review comments from TxDOT.

**Progress Report No. 11**  
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**Schematic**

- Address review comments from TxDOT Austin.

**Hydraulic Impact Report**

- Address review comments from TxDOT.

**Utilities**

- Continue review of surveyed utility information.
- Update Utility Conflict List.
- Begin S.U.E. utility locating.

**Segment Design (PS&E)**

- Complete 30% PS&E documents.

**Approvals and Deliverables next Month:**

- Submit Draft EA to FHWA.
- Re-submit revised Hydraulic Impact Report to TxDOT.
- Submit 30% PS&E to TxDOT for review.

**Schedule:**

Program Schedule is monitoring right of way survey, environmental assessment, schematic design and approval, and hydraulic report design and approval activities. These efforts are on-schedule when compared against the baseline timetables, previously discussed with the County.

**Projection Report:**

Efforts related to schematic design, hydraulic impact report, and the environmental process will continue. Work will continue on Segment Design in October with extensive coordination between preliminary designer and segment designers. Activities are moving forward with design and expect to have a 30% package complete and submitted to TxDOT by the end of October.

**Issues and Concerns:**

- Coordination with METRO to acquire property in a timely manner
- Finalizing Toll Collection points and Ramp locations with toll road authority.
- Development of the Program cost-sharing plan between FBC and toll road.
- Coordination with TxDOT to finalize drainage design and receive approval.

**Progress Report No. 11**  
**From September 01, 2012 to September 30, 2012**  
**Report Date: October 10, 2012**

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**Assessment:**

Our efforts are focused on continuing to obtain environmental clearance and continuing design of the project. Our immediate priority is to gain approval of schematic and hydraulic design so that final segment design can continue.

A handwritten signature in cursive script, reading "David R. Milner". The signature is written in black ink and includes a long horizontal flourish extending to the right.

David R. Milner, P.E.

**Progress Report No. 06**  
**From September 01, 2012 to September 30, 2012**  
**Report Date: October 10, 2012**

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**Mobility Bond Project #748, Precinct 3**

**Description:** FM 1093 Westpark Tollroad Extension Phase II  
FM 359/FM 1463 to James Lane in Fulshear

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

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

**Narrative:**

Our efforts in September were focused on survey, schematic design, hydraulic analysis, and environmental assessment development. A Public Meeting was held on September 20 at Irene Stern Community Center in Fulshear. A more detailed list of September activities is shown below.

**Activities This Month:**

**Environmental Process**

- Continued development of draft Environmental Assessment (EA).
- Continued preparation of input files for TNM 2.5.
- Continued indirect and cumulative impact analyses.
- Continued water resources and floodplain work.
- Continued work on land use, visual and construction impacts, migratory bird impacts, invasive species, and beneficial landscaping.
- Prepared for and conducted Public Meeting on September 20.

**Survey**

- Completed survey of drainage features, including culverts crossing METRO property.
- Continued preparation of control data sheets and survey control maps.
- Continued work on parcel drawings and metes and bounds descriptions.
- Completed parcel drawings and metes and bounds descriptions along METRO right-of-way from FM 1463 to James Lane.

**Geotechnical**

- Began geotechnical investigations on September 5.

**Schematic**

- Completed development of preliminary schematic plan, profiles, and typical sections.
- Developed DCC Form.
- Coordinated preliminary ditch typical sections and profiles with drainage designers.
- Assisted with development of exhibits for Public Meeting.

**Progress Report No. 06**  
**From September 01, 2012 to September 30, 2012**  
**Report Date: October 10, 2012**

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**Hydraulic Impact Report**

- Completed proposed SWMM models for corridor and cross culverts.
- Completed preliminary Hydraulic Impact Analysis.

**Utilities**

- Continued utility research based on an initial utility inventory.
- Continued coordination with private utility companies.
- Created initial utility conflict list.
- Updated S.U.E. plans to begin S.U.E. work in October.

**Approvals and Deliverables this Month:**

- Completed preliminary Schematic for internal review.
- Completed preliminary Hydraulic Impact Analysis for internal review.

**Activities Next Month:**

**Environmental Process**

- Continue development of draft EA.
- Begin preparing Public Meeting Summary Report.

**Survey**

- Continue preparation of control data sheets and survey control maps.
- Develop parcel drawings and metes and bounds descriptions along FM 1093 right-of-way from FM 1463 to James Lane.

**Geotechnical**

- Complete geotechnical investigations.
- Begin Geotechnical Laboratory Testing.
- Begin Geotechnical Report.

**Schematic**

- Revise preliminary schematic based on internal review comments.
- Prepare schematic for submittal to TxDOT.

**Hydraulic Impact Report**

- Revise preliminary Hydraulic Impact Report based on internal review comments.
- Prepare Hydraulic Impact Report for submittal to TxDOT.

**Utilities**

- Continue review of surveyed utility information.
- Update Utility Conflict List.
- Begin S.U.E. utility locating.

**Progress Report No. 06**  
**From September 01, 2012 to September 30, 2012**  
**Report Date: October 10, 2012**

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**Approvals and Deliverables next Month:**

- Submit Schematic to TxDOT for review.
- Submit Hydraulic Impact Report to TxDOT for review.

**Schedule:**

Program Schedule is monitoring right of way survey, environmental assessment, schematic design, and hydraulic report design activities. These efforts are on-schedule when compared against the baseline timetables, previously discussed with the County.

**Projection Report:**

Efforts related to survey, schematic design, hydraulic impact report, and the environmental process will continue.

**Issues and Concerns:**

- Coordination with METRO to acquire property in a timely manner.
- Further direction from County, related to addressing alternative highway alignments west of Cross Creek Ranch, including FM 1093/FM 359 Intersection where proposed boulevard sections may cross METRO property.

**Assessment:**

Our efforts are focused on continuing to obtain environmental clearance and beginning design of the project. Our current priority is to continue pursuit of environmental clearance, based on the locally preferred alternative of the City of Fulshear unless we receive other direction from your office.



David R. Milner, P.E.

# DANNENBAUM ENGINEERING CORPORATION EXPENSE REPORT

NAME: David R. Milner

OFFICE: Houston

DATE: September 21, 2012

EMPLOYEE NUMBER: 511800

DIVISION/DEPT: 1120

PERIOD FROM: 8-21 to 9-21/12

DATE	PROJECT #	MILEAGE (x.555)		PARKING	TRAVEL		MEALS	AUTO RENTAL	BUS PROMC (see over)	MISC (see over)	TOTAL
		# Miles	Amount		Hotel	Fares/Tolls					
Sept 2012	4660.01	377	209.24				20.35				229.59
Sept 2012	4593.01	98	54.39				21.73				54.39
Sept 2012	4593.02	183	101.57				25.73				127.30
	4593.02						6.82				6.82
							48.90				48.90
		658	\$365.19				\$52.90				\$448.09
	TOTAL PROJECT EXPENSES	4610-00	20	4610-00	4740-00	4605-00					

DATE	G.O.E. EXPENSE	MILEAGE (x.555)		PARKING	TRAVEL		MEALS	AUTO RENTAL	BUS PROMC (see over)	MISC (see over)	TOTAL
		# Miles	Amount		Hotel	Fares/Tolls					
9/4/2012	9131.80	10	5.55								5.55
	TOTAL G.O.E. EXPENSES	10	\$5.55								\$5.55
		6180-00		6040-00	6940-00	6030-00	6471-00	6460-00			\$423.64

I CERTIFY THAT THE ABOVE EXPENSES WERE INCURRED ON

BEHALF OF DANNENBAUM ENGINEERING CORPORATION:

LESS: AMOUNT ADVANCED SINCE LAST REPORT

SIGNATURE [Signature]

DATE 9/21/12

APPROVED BY [Signature] TITLE 9-21-12

BALANCE DUE EMPLOYEE / DEC

\$423.64

419.65

414.10

23.30



# DANNENBAUM ENGINEERING CORPORATION EXPENSE REPORT

NAME: Michael J. Kaspar

OFFICE: Houston

DATE: September 14, 2012

EMPLOYEE NUMBER: 431200

DIVISION/DEPT: Transportation

PERIOD FROM: 08/01/12 to 09/14/12

DATE	PROJECT #	MILEAGE (x.555)		PARKING	TRAVEL		MEALS	AUTO RENTAL	BUS PROMC (see over)	MISC (see over)	TOTAL
		# Miles	Amount		Hotel	Fares/Tolls					
8/1/2012	4269-06	10	5.55								5.55
8/1/2012	4593-01	21	11.66								11.66
8/13/2012	4593-01	16	8.88								8.88
8/14/2012	4593-01	25	13.88								13.88
8/14/2012	4593-01	22	12.21								12.21
8/15/2012	9131-87	10	5.55								5.55
8/16/2012	4593-01	10	5.55								5.55
8/21/2012	4593-01	10	5.55								5.55
8/23/2012	4593-01	29	16.10								16.10
8/29/2012	4593-01	20	11.10								11.10
8/29/2012	4593-01	15	8.33								8.33
9/5/2012	4593-01	13	7.22								7.22
9/6/2012	4593-01	13	7.22								7.22
9/10/2012	4593-01	10	5.55								5.55
<b>TOTAL PROJECT EXPENSES</b>		<b>224</b>	<b>\$124.32</b>								<b>\$124.32</b>
		4610-00	5	4610-00	4740-00	4605-00	4741-00	4605-00			5

DATE	G.O.E. EXPENSE	MILEAGE (x.555)		PARKING	TRAVEL		MEALS	AUTO RENTAL	BUS PROMC (see over)	MISC (see over)	TOTAL
		# Miles	Amount		Hotel	Fares/Tolls					
<b>TOTAL G.O.E. EXPENSES</b>											
		6180-00		6040-00	6940-00	6030-00	6471-00	6030-00	6460-00		\$124.32

I CERTIFY THAT THE ABOVE EXPENSES WERE INCURRED ON

BEHALF OF DANNENBAUM ENGINEERING CORPORATION:

SIGNATURE [Signature] DATE 09/17/12

APPROVED BY [Signature] TITLE 9-17-12

LESS: AMOUNT ADVANCED SINCE LAST REPORT

BALANCE DUE EMPLOYEE / DEC **\$124.32**





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

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PLEASE RETURN

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<b>Extras</b>					
Survey (Weisser)	\$ 50,000.00	0.00%	\$ -	\$ -	\$ -
ROW Parcel Mapping (Weisser)	\$ 95,945.00	71.75%	\$ 68,840.54	\$ 49,411.68	\$ 19,428.86
Geotechnical (HTS)	\$ 115,000.00	24.90%	\$ 28,635.00	\$ -	\$ 28,635.00
Utility Coordination (DEC) (See attached for breakdown)	\$ 92,722.00	0.31%	\$ 287.50	\$ 143.75	\$ 143.75
Utility Locating - SUE (LTRA)	\$ 46,610.00	0.00%	\$ -	\$ -	\$ -
Direct Expenses (DEC) (See attached for breakdown)	\$ 25,000.00	0.41%	\$ 101.57	\$ -	\$ 101.57
<b>TOTALS</b>	<b>\$ 8,406,965.00</b>	<b>32.35%</b>	<b>\$ 2,719,598.06</b>	<b>\$ 2,340,566.77</b>	<b>\$ 379,031.29</b>

**TOTAL AMOUNT DUE THIS INVOICE: \$379,031.29**