

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
P.O. Box 1449
Rosenberg, Texas 77471

P.O. 85425

Invoice Date: July 20, 2012
Invoice Period: 06/01/12 Through 06/30/12
Invoice Number: 459301/08/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
Pre-Award Costs					
Dannenbaum Engineering Corporation	\$ 100,000.00	100.00%	\$ 100,000.00	\$ 100,000.00	\$ -
PHASE I					
Advanced Planning					
Environmental / NEPA (Jacobs)	\$ 189,506.00	68.10%	\$ 129,059.72	\$ 129,059.72	\$ -
Schematic Design (Klotz)	\$ 181,731.00	95.00%	\$ 172,644.45	\$ 163,557.90	\$ 9,086.55
Drainage Impact Report (Klotz)	\$ 182,020.00	95.00%	\$ 172,919.00	\$ 163,818.00	\$ 9,101.00
Management & Engineering					
Management (DEC) (See attached for breakdown)	\$ 1,126,445.09	18.65%	\$ 210,093.69	\$ 178,336.16	\$ 31,757.53
Segment D Design (Costello)	\$ 925,000.00	11.45%	\$ 105,867.17	\$ 31,296.59	\$ 74,570.58
Segment C Design (BBI)	\$ 925,000.00	5.30%	\$ 48,981.72	\$ 30,316.55	\$ 18,665.17
Segment B Design (Halff)	\$ 350,000.00	19.51%	\$ 68,283.08	\$ 25,148.23	\$ 43,134.85
TCP Design (Klotz)	\$ 284,040.00	13.00%	\$ 36,925.20	\$ 19,882.80	\$ 17,042.40
Traffic Engineering (Teds - Signing & Signals)	\$ 208,176.00	19.66%	\$ 40,921.54	\$ 20,460.77	\$ 20,460.77
Construction Management, Inspection & Material Testing	\$ -	0.00%	\$ -	\$ -	\$ -
Extras					
Survey (Weisser)	\$ 275,000.00	87.64%	\$ 240,996.79	\$ 224,878.99	\$ 16,117.80
ROW Parcel Mapping (Weisser)	\$ 90,000.00	46.50%	\$ 41,849.46	\$ 36,522.29	\$ 5,327.17
Geotechnical (HTS)	\$ 100,000.00	85.03%	\$ 85,033.00	\$ 85,033.00	\$ -
Utility Coordination (DEC) (See attached for breakdown)	\$ 116,451.55	13.03%	\$ 15,169.01	\$ 12,143.28	\$ 3,025.73
Utility Locating - SUE (LTRA)	\$ 63,565.82	0.00%	\$ -	\$ -	\$ -
Direct Expenses (DEC) (See attached for breakdown)	\$ 39,689.54	1.75%	\$ 694.25	\$ 476.57	\$ 217.68
PHASE II					
Advanced Planning					
Environmental (Klotz)	\$ 297,135.00	33.39%	\$ 99,207.19	\$ 62,398.19	\$ 36,809.00
Schematic Design (Klotz)	\$ 116,100.00	21.80%	\$ 25,315.00	\$ 12,657.50	\$ 12,657.50
Drainage Impact Report (Klotz)	\$ 76,555.00	17.26%	\$ 13,216.00	\$ 3,304.00	\$ 9,912.00
Management & Engineering					
Management (DEC) (See attached for breakdown)	\$ 280,546.00	4.52%	\$ 12,685.08	\$ 3,232.78	\$ 9,452.30
Segment B - Section 1 Design (Halff)	\$ 586,500.00	0.00%	\$ -	\$ -	\$ -
Segment B - Section 2 Design (DEC) (See attached for breakdown)	\$ 443,710.00	0.00%	\$ -	\$ -	\$ -
Segment A Design (CivilCorp)	\$ 536,527.00	0.00%	\$ -	\$ -	\$ -
TCP Design (DEC) (See attached for breakdown)	\$ 287,808.00	0.00%	\$ -	\$ -	\$ -
Traffic Engineering (Teds - Signing & Signals)	\$ 200,182.00	0.00%	\$ -	\$ -	\$ -
Construction Management, Inspection & Material Testing	\$ -	0.00%	\$ -	\$ -	\$ -
Extras					
Survey (Weisser)	\$ 50,000.00	0.00%	\$ -	\$ -	\$ -
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Geotechnical (HTS)	\$ 115,000.00	0.00%	\$ -	\$ -	\$ -
Utility Coordination (DEC) (See attached for breakdown)	\$ 92,722.00	0.00%	\$ -	\$ -	\$ -
Utility Locating - SUE (LTRA)	\$ 46,810.00	0.00%	\$ -	\$ -	\$ -
Direct Expenses (DEC) (See attached for breakdown)	\$ 25,000.00	0.00%	\$ -	\$ -	\$ -
TOTALS	\$ 8,406,965.00	19.68%	\$ 1,654,593.44	\$ 1,320,752.87	\$ 333,840.57

TOTAL AMOUNT DUE THIS INVOICE: \$333,840.57

WBS due to pay

DESCRIPTION OF WORK TASK	HOURS/UNITS	RATE	AMOUNT
Details for Dannenbaum Engineering Corporation			
Management & Engineering Phase I			
Management (DEC)			
David Milner, Project Manager	58.00	\$ 313.10	\$ 18,159.80
Al Flores, Project Manager	4.00	243.74	974.96
David Overstreet, Project Engineer	10.00	143.75	1,437.50
Michael Kaspar, Project Engineer	79.00	132.19	10,443.01
Heather Arcolas, Clerical	5.50	85.93	472.62
Tuan Nguyen, Clerical	7.00	38.52	269.64
Subtotal	163.50		\$ 31,757.53
Extras - Phase I			
Utility Coordination (DEC)			
Michael Kaspar, Project Engineer	2.50	\$ 132.19	\$ 330.48
Loc Dang, Project Engineer	25.00	107.81	2,695.25
Subtotal	27.50		\$ 3,025.73
Direct Expenses - Phase I			
D. Milner - Mileage	385.00	\$ 0.555	\$ 213.68
D. Milner - Parking			4.00
Subtotal			\$ 217.68
Management & Engineering Phase II			
Management (DEC)			
David Milner, Project Manager	25.00	\$ 313.10	\$ 7,827.50
Michael Kaspar, Project Engineer	12.00	132.19	1,586.28
Tuan Nguyen, Clerical	1.00	38.52	38.52
Subtotal	38.00		\$ 9,452.30
TOTAL			\$ 44,453.24

Progress Report No. 08
From June 01, 2012 to June 30, 2012
Report Date: July 10, 2012

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 June were focused on the completion of the schematic design, hydraulic impact analysis, and the draft environmental assessment. The environmental process continued with the implementation of TxDOT's new environmental rules focused on providing clarification and documentation of their review process. The official Draft EA was submitted to TxDOT on June 5 for administrative completeness review. Approval of the document as administratively complete is expected by July 9, at which time the official review process will begin. An important step in the design process occurred on June 7 with the TxDOT Design Concept Conference. The schematic design and hydraulic impact report were submitted to TxDOT on June 12. A more detailed list of June activities is shown below.

Activities This Month:

Environmental Process

- Awaiting decision by TxDOT that Draft EA is administratively complete as well as ENV comments.

Survey

- Continued preparing control data sheets and survey control maps.
- Continued work on parcel drawings and metes and bounds descriptions.

Geotechnical

- Revised preliminary geotechnical report based on internal review comments.

Schematic

- Revised schematic design based on segment designer's comments.
- Prepared schematic for submittal to TxDOT.

Hydraulic Impact Report

- Revised hydraulic design based on segment designer's comments.
- Prepared report for submittal to TxDOT.
- Met with TxDOT on June 29 to discuss review comments.

Utilities

Progress Report No. 08
From June 01, 2012 to June 30, 2012
Report Date: July 10, 2012

- Continued utility research based on an initial utility inventory.
- Continued coordination with private utility companies.

Segment Design (PS&E)

- Reviewed schematic and hydraulic impact analysis.
- Continued preparation of PS&E documents.
- Developed traffic control phasing with roll plots.

Approvals and Deliverables this Month:

- Submitted Draft EA to TxDOT for administrative completeness review on June 19.
- Submitted schematic to TxDOT for review on June 12.
- Submitted hydraulic impact report to TxDOT for review on June 12.

Activities Next Month:

Environmental Process

- Coordinate with Houston District in their review of draft EA.

Survey

- Complete control data sheets and survey control map.
- Continue preparation of parcel drawings and metes and bounds descriptions for remaining parcel acquisitions.

Geotechnical

- Complete geotechnical report and submit to TxDOT.

Schematic

- Revise schematic based on TxDOT comments.
- Submit final schematic to segment designers and TxDOT.

Hydraulic Impact Report

- Revise report based on TxDOT comments.
- Submit final report to segment designers and TxDOT.

Utilities

- Complete and send out utility company request letters.
- Continue review of surveyed utility information.
- Create and issue initial Utility Conflict List.

Segment Design (PS&E)

- Continue preparation of PS&E documents toward 30% submittal.

Progress Report No. 08
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Approvals and Deliverables next Month:

- Submit the control data sheets and survey control maps.
- Submit the parcel drawings and metes and bounds description of METRO tract.
- Submit geotechnical report to TxDOT for review.
- Submit signal warrant analyses to TxDOT for review.
- Submit bridge layouts to TxDOT for review.
- Submit final schematic to TxDOT.
- Submit final hydraulic impact report to TxDOT.

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 survey, geotechnical investigations, schematic design, hydraulic impact report, and the environmental process will continue. Work will continue on Segment Design in June with extensive coordination between schematic and segment designers. Activities are moving forward with design and expect to have a 30% package completed by the end of July.

Issues and Concerns:

- Coordination with METRO to acquire property in a timely manner
- Speedy acquisition of Thor property following NEPA procedures
- Finalizing Toll Collection points and Ramp locations with toll road authority.
- Development of the Program cost-sharing plan between FBC and toll road.

Assessment:

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



David R. Milner, P.E.

Progress Report No. 03
From June 01, 2012 to June 30, 2012
Report Date: July 10, 2012

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 June were focused on survey, schematic design, hydraulic analysis, and environmental data collection. A more detailed list of June activities is shown below.

Activities This Month:

Environmental Process

- Began preparation of project Scope for Environmental Review document.
- Continued development of draft Environmental Assessment (EA).
- Began working with traffic data and design in preparation of creating input files for TNM 2.5.
- Completed quantitative Mobile Source Air Toxics (MSAT) analysis.
- Continued indirect and cumulative impact analyses.
- Continued water resources and floodplain work.
- Began work on land use, visual and construction impacts, migratory bird impacts, invasive species, and beneficial landscaping.
- Began setting up public meeting planned for August.

Survey

- Completed field surveys including cross sections, intersections, and utilities from FM 1463/FM 359 to James Lane in Fulshear.
- Completed recovery of tie rods used for boundary determination.
- Completed work with abstractor to develop final boundary determination of FM 1093 and METRO right-of-way from FM 1463 to James Lane.

Schematic

- Continued development of preliminary schematic plan, profiles, and typical sections.
- Calculated design year turning movements.
- Developed DCC Form.

Hydraulic Impact Report

- Prepared Drainage Area Maps.
- Coordinated with Cross Creek Ranch and obtained drainage study.

Progress Report No. 03
From June 01, 2012 to June 30, 2012
Report Date: July 10, 2012

- Compiled existing drainage model subareas
- Set up existing drainage SWMM model
- Compiled existing subareas unit hydrographs.

Utilities

- Continued utility research based on an initial utility inventory.
- Continued coordination with private utility companies.
- Created initial utility conflict list.

Deliverables this Month:

- None

Activities Next Month:

Environmental Process

- Continue development of draft EA.
- Continue preparing the Project Scope for Environmental Review documents.
- Continue performing environmental work.
- Schedule Public Meeting.

Survey

- Develop parcel drawings and metes and bounds descriptions along FM 1093 and METRO right-of-way from FM 1463 to James Lane.

Geotechnical

- Begin geotechnical investigations.

Schematic

- Advance preliminary schematic plan, profiles, and typical sections.
- Develop intersection layouts based on projected turning movement volumes.
- Develop DCC forms.

Hydraulic Impact Report

- Complete existing drainage SWMM Model.
- Compile proposed drainage model subareas.
- Compile proposed subareas unit hydrographs.
- Set up proposed drainage SWMM Model.

Utilities

- Complete and send out utility request letters.
- Continue review of surveyed utility information.
- Update initial utility conflict list.

Deliverables next Month:

- None

Progress Report No. 03
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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. We plan to begin geotechnical investigations in July.

Issues and Concerns:

- Coordination with METRO to acquire property in a timely manner.
- Resolution of identifying proposed alternatives west of Cross Creek Ranch.

Assessment:

Our efforts are focused on continuing to obtain environmental clearance and beginning design of the project. Our immediate priority is to confirm the alignment west of Cross Creek Ranch based on the option preferred by the City of Fulshear.



David R. Milner, P.E.

DANNENBAUM ENGINEERING CORPORATION EXPENSE REPORT

NAME: David R. Milner

OFFICE: Houston

DATE: June 18, 2012

EMPLOYEE NUMBER: 511800

DIVISION/DEPT: 1120

PERIOD FROM: 5-24 thru 6-18-12

DATE	PROJECT #	MILEAGE (x.555)		PARKING	TRAVEL		MEALS	AUTO RENTAL	BUS PROMC (see over)	MISC (see over)	TOTAL
		# Miles	Amount		Hotel	Fares/Tolls					
June 2012	4660.01	163	90.47 ✓								90.47
June 2012	4593.01	3865	-214.23 ✓	4.00 ✓							-218.23
			213.68								
TOTAL PROJECT EXPENSES		549	\$304.70	\$4.00 ✓		4740-00		4741-00			\$308.70
		4610-00	15	4610-00				4605-00			15

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					
6/1/2012	U of H Function	24	13.32 ✓	5.00 ✓							18.32
6/15/2012	General Marketing 9201-C1						36.64 ✓				36.64
TOTAL G.O.E. EXPENSES		24 ✓	\$13.32 ✓	\$5.00 ✓		6940-00	\$36.64 ✓	6030-00	6460-00		\$54.96
		6180-00		6040-00			6471-00				

I CERTIFY THAT THE ABOVE EXPENSES WERE INCURRED ON

BEHALF OF DANNENBAUM ENGINEERING CORPORATION:

SIGNATURE: [Signature] DATE: 6/18/12

APPROVED BY: [Signature] TITLE: 6-18-12

TOTAL EXPENSES (Project and G.O.E.):

LESS: AMOUNT ADVANCED SINCE LAST REPORT

\$363.66

BALANCE DUE EMPLOYEE / DEC

\$363.66

Standard Parking
1111 San Jacinto
Houston, TX 77002

Receipt# 27387

06/01/12 21:08 L# 2 A# 1 Txn#139165

06/01/12 18:32 In 06/01/12 21:08 Out

Tkt# 084467

1st City \$ 5.00

Total Fee \$ 5.00

CASH PAID \$ 5.00-

Cash Tender \$ 10.00

Change Due \$ 5.00

Thank you

Have a Great Day

D. Milner
Hyatt Regency Austin
208 Barton Springs
Austin, Texas 78704
Parking

Free Computer Number:	2
Cashier:	Tamar ID #6
Transaction Number:	11
Entered:	06/05/12 11:55
Exited:	06/05/12 13:22
Rate:	Area 1
Total Fee:	\$4.00
Cash:	\$4.00

Thank you for choosing
Hyatt Regency Hotel Parking
We hope you have a WONDERFUL day

4.00

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REMITTANCE COPY
PLEASE RETURN

Mobility Bond Project #748

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