

DANNENBAUM ENGINEERING CORPORATION

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

**ENGINEERING
EXCELLENCE
SINCE
1945**

Jesse Hegemeier, P.E.
Fort Bend County
P.O. Box 1449
Rosenberg, Texas 77471

Invoice Date: February 9, 2012
Invoice Period: 01/01/12 Through 01/31/12
Invoice Number: 459301/03/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

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	\$ -
Advanced Planning					
Environmental / NEPA (Jacobs)	\$ 189,506.00	0.00%	\$ -	\$ -	\$ -
Schematic Design (Klotz)	\$ 181,731.00	25.00%	\$ 45,432.75	\$ 19,990.41	\$ 25,442.34
Drainage Impact Report (Klotz)	\$ 182,020.00	25.00%	\$ 45,505.00	\$ 3,640.40	\$ 41,864.60
Management & Engineering					
Management (DEC) (See attached for breakdown)	\$ 1,126,445.09	4.41%	\$ 49,704.59	\$ 23,850.17	\$ 25,854.42
Segment D Design (Costello)	\$ 925,000.00	0.00%	\$ -	\$ -	\$ -
Segment C Design (BBI)	\$ 925,000.00	0.00%	\$ -	\$ -	\$ -
Segment B Design (Halff)	\$ 350,000.00	0.00%	\$ -	\$ -	\$ -
TCP Design (Klotz)	\$ 284,040.00	0.00%	\$ -	\$ -	\$ -
Traffic Engineering (Teds - Signing & Signals)	\$ 208,176.00	0.00%	\$ -	\$ -	\$ -
Construction Management, Inspection & Material Testing	\$ -	0.00%	\$ -	\$ -	\$ -
Extras					
Survey (Weisser)	\$ 275,000.00	41.16%	\$ 113,188.68	\$ 20,530.78	\$ 92,657.90
ROW Parcel Mapping (Weisser)	\$ 90,000.00	0.00%	\$ -	\$ -	\$ -
Geotechnical (HTS)	\$ 100,000.00	0.00%	\$ -	\$ -	\$ -
Utility Coordination (DEC) (See attached for breakdown)	\$ 116,451.55	0.62%	\$ 727.05	\$ 462.67	\$ 264.38
Utility Locating - SUE (LTRA)	\$ 63,565.82	0.00%	\$ -	\$ -	\$ -
Direct Expenses (DEC) (See attached for breakdown)	\$ 39,689.54	0.08%	\$ 32.19	\$ -	\$ 32.19
TOTALS	\$ 5,156,625.00	6.88%	\$ 354,590.26	\$ 168,474.43	\$ 186,115.83

TOTAL AMOUNT DUE THIS INVOICE: \$186,115.83

459301/DRM/II

*OK
DJA*

DESCRIPTION OF WORK TASK	HOURS/UNITS	RATE	AMOUNT
Details for Dannenbaum Engineering Corporation			
Management & Engineering			
Management (DEC)			
David Milner, Project Manager	55.00	\$ 313.10	\$ 17,220.50
Michael Kaspar, Project Engineer	44.25	132.19	5,849.41
Teresa Pierce, Clerical	27.00	103.13	2,784.51
Subtotal	126.25		\$ 25,854.42
Extras			
Utility Coordination (DEC)			
Michael Kaspar, Project Engineer	2.00	\$ 132.19	\$ 264.38
Subtotal	2.00		\$ 264.38
Direct Expenses			
D. Milner - Mileage	58.00	\$ 0.555	\$ 32.19
Subtotal	58.00		\$ 32.19
TOTAL			\$ 26,150.99

EXPENSE REPORT

OFFICE Houston NAME david milner DATE 9-Dec-11
 DIVISION / DEPT. 1120 EMPLOYEE NUMBER 511800 PERIOD 11-23-11 to 12-16-11

555

DATE	PROJECT #	Mileage(.445 after 1-1-2009)	TRAVEL		BUS. CONF. (See over)	CAR RENTAL	MISC. (See over)	TOTAL
			MILES	AMOUNT				
11/22/2011	4593.01	58.00	32.19					32.19
12/6/2011	4593.01							\$97.77
TOTAL PROJECT EXPENSES		58.00	32.19	4740.00	4620.00	\$0.00	\$0.00	\$125.58

129.96

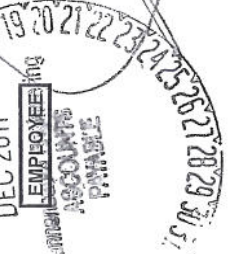
DATE	G.O.E. EXPENSE	Mileage (X.31)(.345 after 1-1-2009)		TRAVEL		BUS. CONF. (See over)	CAR RENTAL	MISC. (See over)	TOTAL
		MILES	AMOUNT	HOTEL	FARES				
Dec-11	Texas PE license Renewal							\$235.00	\$235.00
TOTAL G.O.E. EXPENSES		0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$235.00	\$235.00

I CERTIFY THAT THE ABOVE EXPENSES WERE INCURRED ON BEHALF OF THE COMPANY.

SIGNATURE [Signature] DATE 12/19/11

APPROVED BY [Signature] TITLE 12-12-11

TOTAL EXPENSES (Project and G.O.E.) 364.96
 LESS AMOUNT ADVANCED SINCE LAST REPORT \$0.00
 BALANCE DUE \$364.96



emailed

November 2011

David Milner

Log of Personal Car Miles for Business Use

	Mile		Total miles	
	Start	Finish		
11/22/11	3035A	30A12	58	Westport 4593.01
			total \$32.19 = 58 x .555	

DM



Progress Report No. 03
From January 01, 2012 to January 31, 2012
Report Date: February 9, 2012

Mobility Bond Project #748, Precinct 3

Description: FM 1093 Westpark Tollroad Extension from SH 99 to west of FM 359

Fort Bend County Engineer: Jesse Hegemier

Project Director: David Milner, PE
Dannenbaum Engineering Company (DEC) - Houston LLC

Narrative:

Our efforts in January began with the completion of the aerial flight on January 11 and supplemental field surveys as requested for preliminary design. Environmental work continued toward completion of the Draft Environmental Assessment on March 15. Right of way research continued with an initial focus on the METRO property. Schematic and hydraulic impact report design continued with initial field survey information and will be advanced as final survey information is provided. A more detailed list of January activities is shown below.

Activities This Month:

Environmental Process

- Continued development of Draft Environmental Assessment (EA).
- Revised Public Meeting Summary per TxDOT comments and resubmitted for approval.
- Provided CDS Economic and Demographic Forecast Report for use with EA.
- Continued Alternatives Analysis, Cultural Resources, Indirect and Cumulative Impact Analysis, Environmental Justice, Noise Analysis, and Early Acquisition right of way summary.

Survey

- Completed aerial flight (ADS) on January 11 at 1,500' (per TxDOT requirements) and 5,000' (for use with Environmental Assessment) flight heights.
- Maintained and then removed centerline and wing panels after completion of aerial flight.
- Completed survey control and sent control information to ADS for rectification of 1,500' aerial flight.
- Continued field surveys including intersection cross sections, drainage outfall at Sprint Sand and Clay borrow pit, and tie-in cross sections at SH 99 and FM 359/FM 1463.
- Contacted Texas One-Call to survey all marked utilities during intersection surveys.
- Provided 5,000' aerial flight for use with Environmental Assessment
- Continued work with the property deed abstractor to obtain all property records.

Progress Report No. 03
From January 01, 2012 to January 31, 2012
Report Date: February 9, 2012

Geotechnical

- Issued Work Authorization to HTS for Geotechnical Investigation.
- Coordinated with TxDOT to obtain approval of traffic control plan and boring layout.
- Mobilized field crews to begin borings.

Schematic

- Created Draft Design Summary Report (DSR) in preparation for TxDOT design conference.
- Reviewed toll collection points and ramp locations in 2011 Traffic and Revenue Study Update.
- Coordinated with SH 99 EB to NB Direct Connector (Aguirre Fields). Added DC alignment to schematic.
- Prepared preliminary typical sections and construction staging sections.
- Prepared preliminary ditch cross sections and calculated preliminary ditch profiles.

Hydraulic Impact Report

- Prepared Drainage Area Maps.
- Compiled existing drainage model subareas; calculated intensity and C-values.
- Compiled existing subarea unit hydrographs.
- Set up existing drainage SWMM model.

Utilities

- Continued utility research based on an initial utility inventory.
- Created utility request letters to obtain facility information and design requirements.

Deliverables this Month:

- Field survey information including drainage structures and cross sections provided by Weisser to Klotz on January 13 and January 18.
- TxDOT review comments of Public Meeting Summary sent to Jacobs on January 01, 2012.
- Final Public Meeting Summary revised per TxDOT comments submitted by Jacobs to TxDOT on January 13, 2012.
- 5,000' aerial flight files provided by ADS for use with Environmental Assessment.

Activities Next Month:

Environmental Process

- Continue work on environmental assessment.
- Finalize Alternatives Analysis Summary.
- Meet with TxDOT to determine the Planning Year, 2035 traffic volume projections.
- Continue Cultural Resources, Indirect and Cumulative Impact Analysis, Environmental Justice, Noise Analysis, and Early Acquisition right of way summary.

Survey

- Obtain rectified 1,500' aerial flight and initial dtm from ADS.

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- Provide preliminary dtm from aerial flight for schematic and hydraulic impact report design.
- Continue cross section survey of cross streets and tie visible utilities.
- Begin survey of aerial void areas.
- Update aerial planimetric, dtm, and tin with field survey information.
- Tie bore holes as they are completed.
- Begin preparation of control data sheets and survey control map.
- Continue right of way boundary research by abstractor.
- Locate property corners in the field to verify metes and bounds descriptions.

Schematic

- Complete Draft DSR and meet with TxDOT.
- Advance final schematic alignments and profiles.
- Complete typical sections and traffic volumes and turning movements.
- Begin DTM and preliminary cross sections.
- Complete Alternatives Diagrammatic Layouts.

Hydraulic Impact Report

- Complete existing drainage SWMM model.
- Compile proposed drainage model subareas; calculate intensity and C-values.
- Compile proposed subarea unit hydrographs
- Set up proposed drainage SWMM model.

Utilities

- Complete and send out utility request letters.

Geotechnical

- Begin borings on February 2, 2012.
- Perform geotechnical lab tests as borings are completed.

Deliverables next Month:

- Provide final 1,500' aerial flight information and dtm for use with schematic design.
- Submit Draft DSR to TxDOT for review.

Schedule:

Schedules are being monitored for topography survey, right of way survey, environmental assessment, schematic design and approval, and hydraulic report design and approval. These efforts are on schedule when compared to the timetable previously discussed with the County.

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Projection Report:

Efforts related to survey, geotechnical investigations, schematic design, hydraulic impact report, and the environmental process will continue. We expect to begin discussions with Segment Designers in early March as schematic and hydraulic impact information is finalized.

Issues and Concerns:

- Coordination with METRO to acquire property
- Thor property acquisition following NEPA procedures
- Execution of TxDOT advanced funding agreement
- Finalizing Toll Collection points and Ramp locations

Assessment:

Our efforts are focused on continuing efforts to obtain environmental clearance and beginning design of the project. Our immediate priority is to complete survey since this information is essential for the advancement of schematic and hydraulic design.



David R. Milner, P.E.

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