

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: January 11, 2012
Invoice Period: 12/01/11 Through 12/31/11
Invoice Number: 459301/02/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	11.00%	\$ 19,990.41	\$ -	\$ 19,990.41
Drainage Impact Report (Klotz)	\$ 182,020.00	2.00%	\$ 3,640.40	\$ -	\$ 3,640.40
Management & Engineering					
Management (DEC) (See attached for breakdown)	\$ 1,126,445.09	2.12%	\$ 23,850.17	\$ 7,179.61	\$ 16,670.56
Segment D Design (Costello)	\$ 925,000.00	0.00%	\$ -	\$ -	\$ -
Segment C Design (BBI)	\$ 925,000.00	0.00%	\$ -	\$ -	\$ -
Segment B Design (Half)	\$ 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	7.47%	\$ 20,530.78	\$ -	\$ 20,530.78
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	0.40%	\$ 462.67	\$ -	\$ 462.67
Utility Locating - SUE (LTRA)	\$ 63,565.82	0.00%	\$ -	\$ -	\$ -
Direct Expenses (DEC) (See attached for breakdown)	\$ 39,689.54	0.00%	\$ -	\$ -	\$ -
TOTALS	\$ 5,156,625.00	3.27%	\$ 168,474.43	\$ 107,179.61	\$ 61,294.82

TOTAL AMOUNT DUE THIS INVOICE:	\$61,294.82
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459301/DRM/II



DESCRIPTION OF WORK TASK	HOURS/UNITS	RATE	AMOUNT
Details for Dannenbaum Engineering Corporation			
Management & Engineering			
Management (DEC)			
David Milner, Project Manager	30.00	\$ 313.10	\$ 9,393.00
Michael Kaspar, Project Engineer	37.50	132.19	4,957.13
Teresa Pierce, Clerical	22.50	103.13	2,320.43
Subtotal	90.00		\$ 16,670.56
Extras			
Utility Coordination (DEC)			
Michael Kaspar, Project Engineer	3.50	\$ 132.19	\$ 462.67
Subtotal	3.50		\$ 462.67
TOTALS	93.50		\$ 17,133.23

Progress Report No. 02
From December 01, 2011 to December 31, 2011
Report Date: January 10, 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 December began with finalizing sub-consultant contracts with Weisser, Jacobs, and Klotz. Work Authorizations were completed to begin surveying, schematic design, and hydraulic design and to continue efforts on the environmental process already underway. Environmental work continued toward completion of the Draft Environmental Assessment on March 15. Field surveys and right of way research began. Preliminary design of schematic and hydraulic impact report continued with the limited information available. Final schematic and hydraulic design can be advanced once survey is complete. A more detailed list of December activities is shown below.

Activities This Month:

Environmental Process

- Draft Environmental Assessment development continued.
- The Public Meeting Summary was provided to TxDOT for review and comment.
- DEC provided Jacobs with Fort Bend Westpark Tollway Extension 2011 Traffic and Revenue Study Update for use with the Environmental Assessment.

Survey

- Survey Work Authorization was finalized.
- DEC established weekly coordination conference calls with Weisser to assist with survey needs and monitor progress.
- Coordination with TxDOT occurred to confirm current requirements for aerial flight and approval of the panel layout. TxDOT approved the use of 18" circular panels flown at a height of 1500' with wing panels spaced at 2000' to 3000'. Centerline ground control location along FM 1093 will be maintained at 1500' intervals.
- Right of Entry letters were sent to property owners.
- Field survey began including setting controls, ordering and setting aerial flight targets, and laying out centerline and wing panels. Following TxDOT's approval for the location of the control panels, center panel points were set without the caps. The approval for the naming convention will take place after Jan 4, 2012, at which time caps will be set. Wing panels located in the public right-of-way were placed. Wing panels in private property will be placed when right of entry letters are returned by land owners.

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- The aerial flight was scheduled with Aerial Data Services (ADS) for the beginning of January. The final product will be a flight at 1500' level per TxDOT requirements. ADS will also provide a 5000' level non-rectified aerial for use with environmental design as requested by Jacobs.
- Work began with the property deed abstractor. After initial discussion with the abstractor it was determined that railroad deed information should be acquired for Phase I and Phase II project limits. The railroad deed is continuous and we do not want to risk a boundary line decision on a limited view of the project.

Schematic

- Schematic design Work Authorization was finalized.
- Design criteria documentation began.

Hydraulic Impact Report

- Hydraulic Impact Report Work Authorization was finalized.
- A drainage coordination meeting with Sprint Companies was held on December 21 at the office of County Commissioner Andy Meyers. Sprint Companies confirmed that capacity was available for Westpark detention needs. Further coordination will be scheduled as design is advanced.

Utilities

- Utility research began based on an initial utility inventory.
- Utility request letters were created to obtain facility information and design requirements.

Deliverables this Month:

- Public Meeting Summary submitted by Jacobs to TxDOT on December 08, 2011 for review and comment.

Activities Next Month:

Environmental Process

- Continue work on environmental assessment.
- Finalize Public Meeting Summary.

Survey

- Aerial flight will occur during the second week in January.
- Begin preparing Control Data Sheets and Survey Control Map.
- Begin survey of aerial void areas, tie intersections for cross streets, and tie visible utilities.
- Continue right of way boundary research.
- Provide preliminary survey information for schematic and hydraulic impact report design.

Progress Report No. 02
From December 01, 2011 to December 31, 2011
Report Date: January 10, 2012

Schematic

- Advance Schematic design based on preliminary survey information.
- Begin typical sections, traffic volumes and turning movements, and final schematic alignments and profiles.

Hydraulic Impact Report

- Advance Hydraulic design based on preliminary survey information.

Utilities

- Complete and send out utility request letters.

Geotechnical

- Issue Work Authorization to HTS for Geotechnical Investigation. Field work will begin following completion of Work Authorization.

Deliverables next Month:

- TxDOT review comments of Public Meeting Summary to Jacobs on January 01, 2012.
- Final Public Meeting Summary revised per TxDOT comments submitted by Jacobs to TxDOT on January 13, 2012.

Schedule:

Schedules have been established 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.

Projection Report:

Efforts related to survey, schematic design, hydraulic impact report, and the environmental process will continue. HTS will begin Geotechnical investigations in January.

Issues and Concerns:

- Coordination with METRO to acquire property
- Thor property acquisition following NEPA procedures
- TxDOT advanced funding agreement

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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.

A handwritten signature in black ink, appearing to read "David R. Milner", with a long horizontal flourish extending to the right.

David R. Milner, P.E.

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