

# 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

Invoice Date: June 11, 2012  
Invoice Period: 05/01/12 Through 05/31/12  
Invoice Number: 459301/07/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	68.10%	\$ 129,059.72	\$ 121,350.66	\$ 7,709.06
Schematic Design (Klotz)	\$ 181,731.00	90.00%	\$ 163,557.90	\$ 145,384.80	\$ 18,173.10
Drainage Impact Report (Klotz)	\$ 182,020.00	90.00%	\$ 163,818.00	\$ 145,616.00	\$ 18,202.00
<b>Management &amp; Engineering</b>					
Management (DEC) (See attached for breakdown)	\$ 1,126,445.09	15.83%	\$ 178,336.16	\$ 144,452.15	\$ 33,884.01
Segment D Design (Costello)	\$ 925,000.00	3.38%	\$ 31,296.59	\$ 5,696.13	\$ 25,600.46
Segment C Design (BBI)	\$ 925,000.00	3.28%	\$ 30,316.55	\$ -	\$ 30,316.55
Segment B Design (Half)	\$ 350,000.00	7.19%	\$ 25,148.23	\$ -	\$ 25,148.23
TCP Design (Klotz)	\$ 284,040.00	7.00%	\$ 19,882.80	\$ -	\$ 19,882.80
Traffic Engineering (Teds - Signing & Signals)	\$ 208,176.00	9.83%	\$ 20,460.77	\$ -	\$ 20,460.77
<b>Construction Management, Inspection &amp; Material Testing</b>	\$ -	0.00%	\$ -	\$ -	\$ -
<b>Extras</b>					
Survey (Weisser)	\$ 275,000.00	81.77%	\$ 224,878.99	\$ 218,205.23	\$ 6,673.76
ROW Parcel Mapping (Weisser)	\$ 90,000.00	40.58%	\$ 36,522.29	\$ 28,603.53	\$ 7,918.76
Geotechnical (HTS)	\$ 100,000.00	85.03%	\$ 85,033.00	\$ 85,033.00	\$ -
Utility Coordination (DEC) (See attached for breakdown)	\$ 116,451.55	10.43%	\$ 12,143.28	\$ 3,857.34	\$ 8,285.94
Utility Locating - SUE (LTRA)	\$ 63,565.82	0.00%	\$ -	\$ -	\$ -
Direct Expenses (DEC) (See attached for breakdown)	\$ 39,689.54	1.20%	\$ 476.57	\$ 299.39	\$ 177.18
<b>PHASE II</b>					
<b>Advanced Planning</b>					
Environmental (Klotz)	\$ 297,135.00	21.00%	\$ 62,398.19	\$ 7,428.36	\$ 54,969.83
Schematic Design (Klotz)	\$ 116,100.00	10.90%	\$ 12,657.50	\$ 6,328.75	\$ 6,328.75
Drainage Impact Report (Klotz)	\$ 76,555.00	4.32%	\$ 3,304.00	\$ -	\$ 3,304.00
<b>Management &amp; Engineering</b>					
Management (DEC) (See attached for breakdown)	\$ 280,546.00	1.15%	\$ 3,232.78	\$ 2,333.60	\$ 899.18
Segment B - Section 1 Design (Half)	\$ 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%	\$ -	\$ -	\$ -
<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	19.00%	\$ 18,229.55	\$ -	\$ 18,229.55
Geotechnical (HTS)	\$ 115,000.00	0.00%	\$ -	\$ -	\$ -
Utility Coordination (DEC) (See attached for breakdown)	\$ 92,722.00	0.00%	\$ -	\$ -	\$ -
Utility Locating - SUE (LTRA)	\$ 46,610.00	0.00%	\$ -	\$ -	\$ -
Direct Expenses (DEC) (See attached for breakdown)	\$ 25,000.00	0.00%	\$ -	\$ -	\$ -
<b>TOTALS</b>	<b>\$ 8,406,965.00</b>	<b>15.71%</b>	<b>\$ 1,320,752.87</b>	<b>\$ 1,014,588.94</b>	<b>\$ 306,163.93</b>

**TOTAL AMOUNT DUE THIS INVOICE: \$306,163.93**

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	61.00	\$ 313.10	\$ 19,099.10
Michel Maksoud, Project Manager	3.00	251.90	755.70
Larry Marr, Project Manager	6.50	207.18	1,346.67
David Overstreet, Project Engineer	12.00	143.75	1,725.00
Michael Kaspar, Project Engineer	60.00	132.19	7,931.40
Keith Frederickson, Senior Engineering Technician	1.00	120.93	120.93
Teresa Pierce, Clerical	2.75	103.13	283.61
Heather Arcolas, Clerical	16.50	85.93	1,417.85
Tuan Nguyen, Clerical	31.25	38.52	1,203.75
Subtotal	194.00		\$ 33,884.01
<b>Extras - Phase I</b> Utility Coordination (DEC)			
Michael Kaspar, Project Engineer	6.00	\$ 132.19	\$ 793.14
Loc Dang, Project Engineer	69.50	107.81	7,492.80
Subtotal	75.50		\$ 8,285.94
<b>Direct Expenses - Phase I</b>			
Hot Shot Messenger Service			\$ 26.22
D. Milner - Mileage	272.00	\$ 0.555	150.96
Subtotal			\$ 177.18
<b>Management &amp; Engineering Phase II</b> Management (DEC)			
Michael Kaspar, Project Engineer	3.00	\$ 132.19	\$ 396.57
Teresa Pierce, Clerical	4.50	103.13	464.09
Tuan Nguyen, Clerical	1.00	38.52	38.52
Subtotal	8.50		\$ 899.18
<b>TOTAL</b>			\$ 43,246.31

**Progress Report No. 07**  
**From May 01, 2012 to May 31, 2012**  
**Report Date: June 12, 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 May were focused on the completion of the schematic design, hydraulic impact report, and the draft environmental assessment. The environmental process continued with the implementation of TxDOT's new environmental rules focused on providing clarification and documenting their review process. The Environmental Scoping Document was approved by TxDOT on May 31, followed by the official Draft EA submittal to TxDOT on June 5. Schematic and hydraulic designs continued toward an anticipated June 12 submittal to TxDOT. An important step in the design process will occur on June 7 with the TxDOT Design Concept Conference. A more detailed list of May activities is shown below.

**Activities This Month:**

**Environmental Process**

- Completed development of draft Environmental Assessment (EA).
- Completed revision of draft EA based on preliminary comments from TxDOT received on April 17.
- Completed updating the draft EA to incorporate 2010 census data.

**Survey**

- Continued preparing control data sheets and survey control maps.
- Completed parcel drawings and metes and bounds descriptions for the METRO tract.

**Geotechnical**

- Revised preliminary geotechnical report based on internal review comments.

**Schematic**

- Completed development of schematic including typical sections, planimetrics, main lanes and frontage road profiles, and intersection turning movement diagrams.
- Addressed schematic comments received from segment designers.
- Completed DCC Form DF-DD110 for upcoming TxDOT Design Concept Conference (DCC).

**Progress Report No. 07**  
**From May 01, 2012 to May 31, 2012**  
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**Hydraulic Impact Report**

- Revised proposed drainage model subareas and calculation of Intensity and C values, based on elimination of outfall to Katy-Gaston trunkline.
- Revised proposed subareas Unit Hydrographs.
- Revised proposed drainage SWMM models.
- Revised draft hydraulic impact report.

**Utilities**

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

**Segment Design (PS&E)**

- Prepared for TxDOT Design Concept Conference, scheduled for June 7.

**Approvals and Deliverables this Month:**

- Environmental Scoping Document approved by TxDOT on May 31
- Submitted updated schematic, drainage design, and geotechnical report to segment designers for review and comment.

**Activities Next Month:**

**Environmental Process**

- Submit draft EA, scheduled for June 5.
- 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.

**Schematic**

- Submit Schematic to TxDOT for their review and approval, scheduled for June 12.
- Adjust preliminary schematic, as needed, per review.
- Review and update construction cost estimates.

**Hydraulic Impact Report**

- Submit draft hydraulic impact report to TxDOT for their review and approval, scheduled for June 12.
- Adjust proposed drainage SWMM models, as needed.
- Review and update drainage construction cost estimates.

**Progress Report No. 07**  
**From May 01, 2012 to May 31, 2012**  
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**Utilities**

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

**Geotechnical**

- Complete geotechnical report and submit to TxDOT.

**Segment Design (PS&E)**

- Continue preparation of PS&E documents

**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 draft Hydraulic Impact Report to TxDOT for review.
- Submit Schematic, cross sections and estimate to TxDOT for review.
- Submit geotechnical report to TxDOT for review.
- Submit signal warrant analyses to TxDOT for review.
- Submit bridge layouts 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 survey, geotechnical investigations, schematic design, hydraulic impact report, and the environmental process will continue. Work continued on Segment Design in May with extensive coordination between schematic and segment designers. Activities are moving forward with design and expect to have a 30% package completed, by the beginning of July.

**Issues and Concerns:**

- Coordination with METRO to acquire property
- Thor property acquisition following NEPA procedures
- Finalizing Toll Collection points and Ramp locations

**Progress Report No. 07  
From May 01, 2012 to May 31, 2012  
Report Date: June 12, 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 complete schematic and hydraulic design so that final segment design can continue.

A handwritten signature in black ink, appearing to read "David R. Milner". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

David R. Milner, P.E.

**Progress Report No. 02**  
**From May 01, 2012 to May 31, 2012**  
**Report Date: June 12, 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 May were focused on survey, schematic design, hydraulic analysis, and environmental data collection. A more detailed list of May activities is shown below.

**Activities This Month:**

**Environmental Process**

- Continued development of draft Environmental Assessment (EA).
- Collected 2010 census data, USGS topographic maps, National Wetland Inventory Maps, floodplain maps, land use and ordered hazardous materials data.
- Identified noise and air sensitive receptors using aerial photography and onsite investigations.
- Began indirect and cumulative impact analyses.
- Completed socioeconomic and environment justice analysis using 2010 census data.
- Continued environmental justice analysis, water resources, and floodplain work.
- Began onsite wetland determinations.

**Survey**

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

**Schematic**

- Developed preliminary schematic plan, profiles, and typical sections.
- Obtained traffic turning movements at FM 1463, FM 359, and Cross Creek Blvd.
- Developed DCC Form.

**Hydraulic Impact Report**

- Prepared Drainage Area Maps.
- Compiled existing drainage model subareas; calculated intensity and C values.

**Progress Report No. 02**  
**From May 01, 2012 to May 31, 2012**  
**Report Date: June 12, 2012**

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**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.
- Begin preparing the Project Scope for Environmental Review documents.

**Survey**

- Complete field surveys between FM 1463/FM 359 and James Lane in Fulshear.
- Update the aerial planimetric, dtm, and tin with surveyed data.
- Complete boundary determination.
- Develop parcel drawings and metes and bounds descriptions along FM 1093 and METRO right-of-way from FM 1463 to James Lane.

**Schematic**

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

**Hydraulic Impact Report**

- Compile existing subareas unit hydrographs.
- Set up and complete existing drainage SWMM model
- Compile proposed drainage model subareas; calculate intensity and C values
- 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. 02**  
**From May 01, 2012 to May 31, 2012**  
**Report Date: June 12, 2012**

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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 by June.

**Issues and Concerns:**

- Coordination with METRO to acquire property
- 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: May 22, 2012

EMPLOYEE NUMBER: 511800

DIVISION/DEPT: 1120

PERIOD FROM: 4/22-5/22/12

DATE	PROJECT #	MILEAGE (x.555)		PARKING	TRAVEL		MEALS	AUTO RENTAL	BUS PROMC (see over)	MISC (see over)	TOTAL	
		# Miles	Amount		Hotel	Fares/Tolls						
May 2012	4593.01	272	150.96								150.96	
May 2012	4660.01	137	76.04								76.04	
TOTAL PROJECT EXPENSES											\$227.00	
									4610-00	4740-00	4605-00	\$227.00

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							
5/17/2012	9201.01	33	18.32								18.32		
TOTAL G.O.E. EXPENSES											\$18.32		
									6180-00	6040-00	6030-00	6460-00	\$18.32

I CERTIFY THAT THE ABOVE EXPENSES WERE INCURRED ON

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

BEHALF OF DANNENBAUM ENGINEERING CORPORATION:

LESS: AMOUNT ADVANCED SINCE LAST REPORT

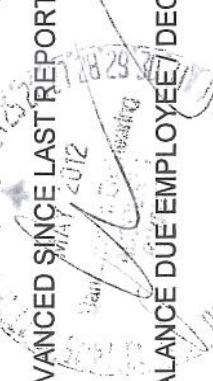
SIGNATURE: [Signature]

DATE: 5/22/12

APPROVED BY: [Signature] TITLE: 5-22-12

BALANCE DUE EMPLOYEE/DEC

\$245.31







Hot Shot Delivery, Inc.  
 PO Box 701189  
 Houston, TX 77270-1189  
 713/869-5525 Office  
 713/862-6354 Fax

Customer Number	1002958
Invoice Number	320133
Invoice Date	4/30/2012

**Control Number 4269-06**

Date Ready Order Type	Order ID Caller	Origin	Destination	References Billing Group
4/30/2012 9:30 AM Regular	1500807 Teresa Pierce (713) 527-6479	Dannenbaum Engineering Corpora 3100 W Alabama St Houston TX 77098-2004	HRT JV 800 Burnett St Houston TX 77009-8811	4269-06

POD: S Reed

Order Total: \$12.17

Totals: \$12.17

Control Number - 4269-06 Total: \$12.17

★★ For Credit Card Payments Please See Reverse★★

**Control Number 4593-01**

Date Ready Order Type	Order ID Caller	Origin	Destination	References Billing Group
4/19/2012 9:30 AM Hot Shot	1497428 Teresa Pierce (713) 527-6479	Dannenbaum Engineering Corpora 3100 W Alabama St Houston TX 77098-2004	Allen Boone Humphries Robinso 3200 Southwest Fwy 2600 Houston TX 77027-7528	4593-01

POD: Janet Carley

Order Total: \$13.11

Totals: \$13.11

Control Number - 4593-01 Total: \$13.11

Customer Total: \$25.28



Hot Shot Delivery, Inc.  
 PO Box 701189  
 Houston, TX 77270-1189  
 713/869-5525 Office  
 713/862-6354 Fax

Customer Number
1002958
Invoice Number
321187
Invoice Date
5/15/2012

**Control Number** **4269-06**

Date Ready Order Type	Order ID Caller	Origin	Destination	References Billing Group
5/1/2012 10:00 AM Hot Shot	1501322 Teresa Pierce (713) 527-6479	Dannenbaum Engineering Corpora 3100 W Alabama St Houston TX 77098-2004	HRT JV 800 Burnett St Houston TX 77009-8811	4269-06

POD: R Briggs

Order Total: \$14.05

Totals: \$14.05

**Control Number - 4269-06 Total: \$14.05**

**Control Number** **4593-01**

Date Ready Order Type	Order ID Caller	Origin	Destination	References Billing Group
5/1/2012 10:00 AM Hot Shot	1501324 Teresa Pierce (713) 527-6479	Dannenbaum Engineering Corpora 3100 W Alabama St Houston TX 77098-2004	Allen Boone Humphries Robins 3200 Southwest Fwy 2600 Houston TX 77027-7528	4593-01

POD: J Carley

Order Total: \$13.11

Totals: \$13.11

**Control Number - 4593-01 Total: \$13.11**

**Customer Total: \$27.16**

