

PO 85425

[Handwritten initials]

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
301 Jackson Street
Richmond, Texas 77469-3108

Invoice Date: July 14, 2014
Invoice Period: 06/01/14 Through 06/30/14
Invoice Number: 459301/28/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
P.O. Number 85425
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 | \$ - |
| Subtotal Pre-Award Costs | \$ 100,000.00 | | \$ 100,000.00 | \$ 100,000.00 | \$ - |
| PHASE I | | | | | |
| Advanced Planning | | | | | |
| Environmental / NEPA (Jacobs) | \$ 199,523.45 | 100.00% | \$ 199,523.45 | \$ 199,523.45 | \$ - |
| Environmental / NEPA (Jacobs) (Re-Evaluation) | \$ 200,000.00 | 0.00% | \$ - | \$ - | \$ - |
| Schematic Design (Klotz) | \$ 181,731.00 | 100.00% | \$ 181,731.00 | \$ 181,731.00 | \$ - |
| Drainage Impact Report (Klotz) | \$ 182,020.00 | 100.00% | \$ 182,020.00 | \$ 182,020.00 | \$ - |
| Additional Services | | | | | |
| Metro ROW Redesign - Schematic (Klotz) | \$ 124,250.00 | 95.00% | \$ 118,037.50 | \$ 104,912.50 | \$ 13,125.00 |
| Metro ROW Redesign - Drainage Analysis (Klotz) | \$ 50,750.00 | 95.00% | \$ 48,212.50 | \$ 42,087.50 | \$ 6,125.00 |
| Metro ROW Redesign - Schematic (DEC) (See attached for breakdown) | \$ 80,000.00 | 100.00% | \$ 80,000.00 | \$ 76,189.08 | \$ 3,810.92 |
| Metro ROW Redesign - Drainage Analysis (DEC) (See attached for breakdown) | \$ 45,000.00 | 98.48% | \$ 44,314.68 | \$ 38,140.34 | \$ 6,174.34 |
| Management & Engineering | | | | | |
| Management (DEC) (See attached for breakdown) | \$ 1,212,806.93 | 53.69% | \$ 651,134.94 | \$ 637,066.19 | \$ 14,068.75 |
| Segment D Design (Costello) | \$ 1,469,342.16 | 39.80% | \$ 584,796.51 | \$ 584,796.51 | \$ - |
| Segment C Design (BBI) | \$ 1,333,169.00 | 40.31% | \$ 537,360.69 | \$ 537,360.69 | \$ - |
| Segment B Design (Half) | \$ 550,757.00 | 45.84% | \$ 252,441.07 | \$ 252,441.07 | \$ - |
| TCP Design (Klotz) | \$ 439,040.00 | 45.29% | \$ 198,828.00 | \$ 198,828.00 | \$ - |
| Traffic Engineering (Teds - Signing & Signals) | \$ 261,234.00 | 38.07% | \$ 99,439.94 | \$ 99,439.94 | \$ - |
| Construction Management, Inspection & Material Testing | \$ - | 0.00% | \$ - | \$ - | \$ - |
| Extras | | | | | |
| Survey (Weisser) | \$ 262,180.00 | 95.47% | \$ 250,309.21 | \$ 250,309.21 | \$ - |
| ROW Parcel Mapping (Weisser) | \$ 147,150.00 | 61.16% | \$ 90,000.00 | \$ 90,000.00 | \$ - |
| Geotechnical (HTS) | \$ 109,500.00 | 83.41% | \$ 91,333.00 | \$ 91,333.00 | \$ - |
| Signal Warrant Studies (Teds) | \$ 2,820.00 | 100.00% | \$ 2,820.00 | \$ 2,820.00 | \$ - |
| Utility Coordination (DEC) (See attached for breakdown) | \$ 126,434.10 | 57.41% | \$ 72,580.75 | \$ 71,818.90 | \$ 761.85 |
| Utility Locating - SUE (LTRA) | \$ 63,565.82 | 100.00% | \$ 63,565.82 | \$ 63,565.82 | \$ - |
| Direct Expenses (DEC) (See attached for breakdown) | \$ 14,689.54 | 33.40% | \$ 4,905.66 | \$ 4,849.66 | \$ 56.00 |
| Subtotal PHASE I | \$ 7,055,963.00 | | \$ 3,753,354.72 | \$ 3,709,232.86 | \$ 44,121.86 |
| PHASE II | | | | | |
| Advanced Planning | | | | | |
| Environmental (Klotz) | \$ 470,315.00 | 56.86% | \$ 267,420.83 | \$ 267,420.83 | \$ - |
| Schematic Design (Klotz) | \$ 242,986.25 | 45.39% | \$ 110,295.00 | \$ 110,295.00 | \$ - |
| Drainage Impact Report (Klotz) | \$ 127,776.00 | 56.92% | \$ 72,727.25 | \$ 72,727.25 | \$ - |
| Drainage Analysis (Costello) | \$ 19,180.00 | 0.00% | \$ - | \$ - | \$ - |
| Management & Engineering | | | | | |
| Management (DEC) (See attached for breakdown) | \$ 448,546.00 | 57.41% | \$ 257,524.71 | \$ 244,757.60 | \$ 12,767.11 |
| Segment B - Section 1 Design (Half) | \$ 606,560.00 | 0.00% | \$ - | \$ - | \$ - |
| Segment B - Section 2 Design (DEC) (See attached for breakdown) | \$ 443,710.00 | 0.14% | \$ 604.50 | \$ 604.50 | \$ - |
| Segment A Design (CivilCorp) | \$ 556,027.00 | 0.00% | \$ - | \$ - | \$ - |
| TCP Design (DEC) (See attached for breakdown) | \$ 287,808.00 | 1.93% | \$ 5,541.25 | \$ 5,541.25 | \$ - |
| Traffic Engineering (Teds - Signing & Signals) | \$ 200,182.00 | 0.00% | \$ - | \$ - | \$ - |
| Construction Management, Inspection & Material Testing | \$ - | 0.00% | \$ - | \$ - | \$ - |
| Extras | | | | | |
| Survey (Weisser) | \$ 20,000.00 | 0.00% | \$ - | \$ - | \$ - |
| ROW Parcel Mapping (Weisser) | \$ 178,278.00 | 47.41% | \$ 84,527.55 | \$ 84,527.55 | \$ - |
| Geotechnical (HTS) | \$ 113,819.75 | 58.38% | \$ 66,451.00 | \$ 66,451.00 | \$ - |
| Utility Coordination (DEC) (See attached for breakdown) | \$ 92,722.00 | 1.25% | \$ 1,158.62 | \$ 1,006.25 | \$ 152.37 |
| Utility Locating - SUE (LTRA) | \$ 27,430.00 | 48.44% | \$ 13,287.03 | \$ 13,287.03 | \$ - |
| Direct Expenses (DEC) (See attached for breakdown) | \$ 25,000.00 | 3.64% | \$ 910.90 | \$ 876.74 | \$ 34.16 |
| Subtotal PHASE II | \$ 3,860,340.00 | | \$ 880,448.64 | \$ 867,495.00 | \$ 12,953.64 |
| TOTALS | \$11,016,303.00 | 42.97% | \$ 4,733,803.36 | \$ 4,676,727.86 | \$ 57,075.50 |

TOTAL AMOUNT DUE THIS INVOICE: \$57,075.50

ok to pay
[Signature]
7/21/14

| DESCRIPTION OF WORK TASK | HOURS/UNITS | RATE | AMOUNT |
|---|-------------|-----------|---------------------|
| Details for Dannenbaum Engineering Corporation | | | |
| Management & Engineering Phase I | | | |
| Management (DEC) | | | |
| David Milner, Project Manager | 12.00 | \$ 313.10 | \$ 3,757.20 |
| Michael Kaspar, Project Engineer | 48.00 | 152.37 | 7,313.76 |
| Joseph Koether, Senior Engineering Technician | 28.00 | 105.62 | 2,957.36 |
| Tuan Nguyen, Clerical | 1.00 | 40.43 | 40.43 |
| Subtotal | 89.00 | | \$ 14,068.75 |
| Additional Services - Metro ROW Redesign | | | |
| Schematic (DEC) | | | |
| Uttam Karmaker, Project Engineer | 12.75 | \$ 133.25 | \$ 1,698.94 |
| Joseph Koether, Senior Engineering Technician | 20.00 | 105.62 | 2,112.40 |
| Subtotal | 32.75 | | \$ 3,811.34 |
| Maximum Billable | | | \$ 3,810.92 |
| Additional Services - Metro ROW Redesign | | | |
| Drainage Analysis (DEC) | | | |
| Michael Kaspar, Project Engineer | 12.00 | \$ 152.37 | \$ 1,828.44 |
| Uttam Karmaker, Project Engineer | 7.25 | 133.25 | 966.06 |
| Joseph Koether, Senior Engineering Technician | 32.00 | 105.62 | 3,379.84 |
| Subtotal | 51.25 | | \$ 6,174.34 |
| Extras - Phase I | | | |
| Utility Coordination (DEC) | | | |
| Michael Kaspar, Project Engineer | 5.00 | \$ 152.37 | \$ 761.85 |
| Subtotal | 5.00 | | \$ 761.85 |
| Direct Expenses - Phase I | | | |
| M. Kaspar - Mileage | | | |
| Subtotal | 100.00 | \$ 0.56 | \$ 56.00 |
| Management & Engineering Phase II | | | |
| Management (DEC) | | | |
| David Milner, Project Manager | 7.00 | \$ 313.10 | \$ 2,191.70 |
| Michael Kaspar, Project Engineer | 28.00 | 152.37 | 4,266.36 |
| Joseph Koether, Senior Engineering Technician | 54.00 | 105.62 | 5,703.48 |
| Heather Arcolas, Clerical | 6.50 | 88.50 | 575.25 |
| Tuan Nguyen, Clerical | 0.75 | 40.43 | 30.32 |
| Subtotal | 96.25 | | \$ 12,767.11 |
| Extras - Phase II | | | |
| Utility Coordination - Phase II | | | |
| Michael Kaspar, Project Engineer | 1.00 | \$ 152.37 | \$ 152.37 |
| Subtotal | 1.00 | | \$ 152.37 |
| Direct Expenses - Phase II | | | |
| M. Kaspar - Mileage | | | |
| Subtotal | 61.00 | \$ 0.56 | \$ 34.16 |
| TOTAL | | | \$ 37,825.50 |

**FM 1093 Westpark Extension
Progress Report
From June 1, 2014 to June 30, 2014
Report Date: July 14, 2014**

Description: FM 1093 Westpark Tollroad Extension Phase I & II
SH 99 to FM 359 in Fulshear

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

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

Progress Reported:

The Phase I Environmental Assessment (EA) Re-evaluation effort began in June with planning activities for the upcoming Public Meeting. Dannenbaum, Jacobs, and Fort Bend County met with TxDOT to coordinate and discuss Public Meeting exhibits and handouts. The design team worked with HGAC to resolve a potential air conformity issue related to modified toll road access points. Following discussions with FHWA, HGAC advised that the additional ramps and access modifications are consistent with the current conformity analysis. This will allow the EA Re-evaluation to be approved without adjustments to HGAC's conformity model.

Dannenbaum coordinated with the design team to advance the Phase I and II schematics and hydraulic analyses. Dannenbaum met with Klotz and Jacobs throughout the month to discuss and resolve design issues in preparation for early July submittals of Phase I documents to TxDOT. The design team met with TxDOT on June 25th to review and discuss Phase I drainage design changes. Dannenbaum worked to update the schedule and construction cost estimate, and informed segment designers that the revised design will be provided to them by the end of July.

Moving Forward:

A Phase I EA Re-evaluation Public Meeting is scheduled for July 31st at Seven Lakes High School in Katy. The intent of the meeting is to display design changes from the approved EA. Representatives from Dannenbaum, Klotz, and Jacobs will attend the meeting to answer any questions from the public.

The design team will advance Phase I schematic and hydraulic impact re-design in anticipation of an initial submittal to TxDOT by July 15th. Meetings will be scheduled with TxDOT staff as needed during July to resolve review comments. As schematic design is completed at the end of July, an updated preliminary construction cost estimate will be made available to the County for planning purposes. PS&E design is expected to begin by August following completion of preliminary design. At this time, final PS&E approval is scheduled to be obtained by March 2015 with construction scheduled to begin by July 2015.

**FM 1093 Westpark Extension
Progress Report
From June 1, 2014 to June 30, 2014
Report Date: July 14, 2014**

Phase II environmental assessment activities will continue in July. The Phase II Draft EA is scheduled to be submitted to TxDOT by November 2014. A Phase II Public Meeting is currently planned for May 2015, and the FONSI is expected to be obtained by October 2015.

Preliminary Phase II design will also continue during July, with schematic and hydraulic impact analysis submittals to TxDOT planned for October 2014. PS&E design will begin at this time with completion scheduled for August 2015. Phase II construction is scheduled to begin by December 2015.

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.

Michael Kaspar

Ph I Ph I Ph II Ph I

| | |
|--------|----------|
| 123.74 | \$123.81 |
|--------|----------|

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| TOTALS | \$11,016,303.00 | 42.97% | \$ 4,733,803.36 | \$ 4,676,727.86 | \$ 57,075.50 |

TOTAL AMOUNT DUE THIS INVOICE: \$57,075.50