

DANNENBAUM ENGINEERING CORPORATION

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Fort Bend County
301 Jackson Street
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PO 174087
DMS
REC 549806

Invoice Date: September 15, 2020
Invoice Period: 8/1/2020 Through 8/31/2020
Invoice Number: 479701/18/II

For Professional Services:

In connection with PS&E for FM 521 Expansion Project from FM 2234 to SH 6
P.O. Number 174087

DESCRIPTION OF WORK TASK	TOTAL CONTRACT AMOUNTS	PERCENT COMPLETE TO DATE	AMOUNTS EARNED TO DATE	PREVIOUSLY INVOICED AMOUNTS	CURRENT INVOICE AMOUNTS
Final PS&E Engineering					
Roadway Design (Dannenbaum)	\$ 597,188.93	76.41%	\$ 456,289.87	\$ 450,667.90	\$ 5,621.97
Drainage Design (Dannenbaum)	\$ 496,261.25	75.00%	\$ 372,195.91	\$ 367,233.30	\$ 4,962.61
Traffic - Signing & Pavement Marking (Infratech)	\$ 125,958.58	60.80%	\$ 76,587.90	\$ 76,587.90	\$ -
Traffic - Signals (Infratech)	\$ 256,812.30	73.21%	\$ 188,007.67	\$ 186,757.17	\$ 1,250.50
Traffic - Illumination (Infratech)	\$ 91,926.66	20.57%	\$ 18,909.26	\$ 18,909.26	\$ -
Misc. Roadway & TCP (Dannenbaum)	\$ 518,672.45	77.10%	\$ 399,885.05	\$ 399,885.05	\$ -
Structural Design - Broadway Bridge (LJA)	\$ 282,225.00	77.58%	\$ 218,963.64	\$ 218,963.64	\$ -
Structural Design - Misc. Structures (Dannenbaum)	\$ 119,876.74	66.00%	\$ 79,118.65	\$ 79,118.65	\$ -
Management (Dannenbaum)	\$ 226,646.78	72.97%	\$ 165,386.28	\$ 163,119.81	\$ 2,266.47
Management (LJA)	\$ 83,960.00	39.50%	\$ 33,166.44	\$ 31,633.99	\$ 1,532.45
Management (Infratech)	\$ 33,415.36	80.60%	\$ 26,932.51	\$ 26,013.76	\$ 918.75
Extras					
Survey (LJA)	\$ 230,114.99	70.45%	\$ 162,112.35	\$ 155,725.25	\$ 6,387.10
ROW Parcel Mapping (LJA)	\$ 313,925.00	63.52%	\$ 199,409.29	\$ 190,154.44	\$ 9,254.85
Geotechnical (Associated Testing Laboratories)	\$ 284,997.00	97.48%	\$ 277,827.00	\$ 277,827.00	\$ -
Drainage Impact Study (LJA)	\$ 457,220.00	55.66%	\$ 254,492.90	\$ 253,426.10	\$ 1,066.80
Utility Coordination (Dannenbaum)	\$ 225,379.39	49.00%	\$ 110,435.91	\$ 101,420.73	\$ 9,015.18
SUE (LJA)	\$ 214,405.00	92.18%	\$ 197,630.00	\$ 197,630.00	\$ -
Project Initiation & Planning (Dannenbaum)	\$ 30,000.00	100.00%	\$ 30,000.00	\$ 30,000.00	\$ -
Items as Authorized by County	\$ 40,000.00	50.00%	\$ 20,000.00	\$ 20,000.00	\$ -
Direct Expenses (Dannenbaum)	\$ 26,725.00	13.05%	\$ 3,486.82	\$ 2,685.07	\$ 801.75
Direct Expenses (LJA)	\$ 24,750.00	3.52%	\$ 871.15	\$ 871.15	\$ -
Direct Expenses (Infratech)	\$ 612.00	72.71%	\$ 445.00	\$ 445.00	\$ -
Bid/Construction Phase Services					
Post Design Services (Dannenbaum)	\$ 80,340.29	0.00%	\$ -	\$ -	\$ -
Post Design Services (LJA)	\$ 72,540.00	0.00%	\$ -	\$ -	\$ -
Post Design Services (Infratech)	\$ 34,935.12	0.00%	\$ -	\$ -	\$ -
Total Management & Engineering Fees	\$ 4,868,887.84	67.62%	\$ 3,292,153.60	\$ 3,249,075.17	\$ 43,078.43

TOTAL AMOUNT DUE THIS INVOICE:	\$43,078.43
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Progress Report No. 18
From August 01, 2020 to August 31, 2020
Report Date: September 15, 2020

Project: FM 521 Expansion Project, Precinct 1
FM 2234 to SH 6

Activities this Billing Period:

Project Management (Dannenbaum)

- Held weekly progress conference calls with Project Design Team.
- Coordinated and managed surveying, geotechnical, drainage, and PS&E design efforts.
- Coordinated with Fort Bend County Engineering and TxDOT Project Manager.
- ROW Acquisition: Per correspondence with Houston District, the County can proceed with final title & appraisals. Coordinated with PAS to complete appraisals in preparations for offers.
- Updated Schedule with the intent of moving letting forward into 2021. Coordinated with PAS to determine ROW acquisition schedule. Sent updated schedule to the County on 08/12.

PS&E Design (Dannenbaum)

- 60% PS&E PDF sent to TxDOT on 08/10 following approval of the Drainage Study.
- Continued Traffic Control Plans updates.
- Continued Drainage Design, including coordination with LJA to ensure compliance with Drainage Study, Drainage Area Maps, Drainage Plan & Profile Sheets, Laterals, and Hydraulic Computations.
- Continued development of quantities and cost estimate.
- Continued development of UPRR Exhibit A for submittal to TxDOT.
- Continued Utility Plan & Profile sheets, Utility Contacts, and Utility Conflict Analysis. Prepared for initial Utility Coordination Meeting with TxDOT.

Survey (LJA)

- The Final ROW Mapping was approved by Houston District on 08/12. They were sent to the ROW Section and Division in Austin.
- Submitted SUE Test Hole Data sheets to Dannenbaum in August.

Drainage Study (LJA)

- Received approval from TxDOT on 08/06.

Traffic Design (infraTECH)

- Continued development of Signing & Pavement Marking plans.
- Continued development of Traffic Signals Layouts.
- Continued Illumination and CTMS plans.

Activities Next Month:

Project Management (Dannenbaum)

- Attend Meetings with TxDOT and Fort Bend County.
- Continue weekly conference calls with Project Design Team.
- Continue coordination with sub consultants.

PS&E Design (Dannenbaum)

- Coordinate with TxDOT to arrange review of 60% plans.
- Continue development of UPRR Exhibit A. Address comments from TxDOT and resubmit.
- Continue roadway design, including intersections, side streets, driveways, existing UPRR crossings, 3D Corridor Model and design Cross Sections.
- Continue drainage design, focusing on ditch design and Pond layouts.
- Review storm sewer trunk line along Broadway.
- Continue developing quantities, cost estimate, standards and specifications.
- Continue utility conflict analysis. Arrange Utility Coordination Meeting with TxDOT.

Survey (LJA)

- No work planned.

Drainage Study (LJA)

- Coordinate any drainage changes with PS&E design.

Traffic Design (infraTECH)

- Continue development of Signing & Pavement Marking plans.
- Continued development of Traffic Signals Layouts.
- Continue Illumination and CTMS plans.

Approvals and Planned Deliverables next Month:

- Coordinate review of 60% PS&E by TxDOT.
- Resubmit UPRR Exhibit A to TxDOT.
- Schedule Utility Coordination meeting with TxDOT.



Michael J. Kaspar, P.E.
Dannenbaum Engineering Corporation