

DANNENBAUM ENGINEERING CORPORATION

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 Fort Bend County
 301 Jackson Street
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PO 174087
DMS
REC 560607

Invoice Date: December 11, 2020
 Invoice Period: 11/1/2020 Through 11/30/2020
 Invoice Number: 479701/21/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)	\$ 597,188.92	77.35%	\$ 461,911.84	\$ 456,289.87	\$ 5,621.97
Drainage Design (Dannenbaum)	\$ 496,261.24	76.00%	\$ 377,158.52	\$ 372,195.91	\$ 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	81.46%	\$ 209,192.02	\$ 191,597.42	\$ 17,594.60
Traffic - Illumination (Infratech)	\$ 91,926.66	20.57%	\$ 18,909.26	\$ 18,909.26	\$ -
Misc. Roadway & TCP (Dannenbaum)	\$ 518,672.44	78.05%	\$ 404,839.31	\$ 399,885.05	\$ 4,954.26
Structural Design - Broadway Bridge (LJA)	\$ 282,225.00	77.71%	\$ 219,323.08	\$ 219,203.27	\$ 119.81
Structural Design - Misc. Structures (Dannenbaum)	\$ 119,876.74	66.00%	\$ 79,118.65	\$ 79,118.65	\$ -
Management (Dannenbaum)	\$ 226,646.77	76.97%	\$ 174,452.16	\$ 169,919.22	\$ 4,532.94
Management (LJA)	\$ 83,960.00	42.09%	\$ 35,335.77	\$ 34,443.48	\$ 892.29
Management (Infratech)	\$ 33,415.36	88.08%	\$ 29,433.57	\$ 27,958.07	\$ 1,475.50
Extras					
Survey (LJA)	\$ 230,114.99	70.45%	\$ 162,112.35	\$ 162,112.35	\$ -
ROW Parcel Mapping (LJA)	\$ 313,925.00	63.52%	\$ 199,409.29	\$ 199,409.29	\$ -
Geotechnical (Associated Testing Laboratories)	\$ 284,997.00	97.48%	\$ 277,827.00	\$ 277,827.00	\$ -
Drainage Impact Study (LJA)	\$ 457,220.00	58.52%	\$ 267,568.30	\$ 258,555.50	\$ 9,012.80
Utility Coordination (Dannenbaum)	\$ 225,379.39	55.00%	\$ 123,958.67	\$ 117,197.29	\$ 6,761.38
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	62.50%	\$ 25,000.00	\$ 20,000.00	\$ 5,000.00
Direct Expenses (Dannenbaum)	\$ 26,725.00	18.05%	\$ 4,823.07	\$ 4,288.57	\$ 534.50
Direct Expenses (LJA)	\$ 24,750.00	7.76%	\$ 1,921.59	\$ 1,921.59	\$ -
Direct Expenses (Infratech)	\$ 612.00	82.18%	\$ 502.92	\$ 470.52	\$ 32.40
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	\$ 4,868,887.80	69.36%	\$ 3,377,015.27	\$ 3,315,520.21	\$ 61,495.06

TOTAL AMOUNT DUE THIS INVOICE:	\$61,495.06
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Progress Report No. 21
From October 01, 2020 to October 31, 2020
Report Date: November 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 drainage and PS&E design efforts.
- Coordinated with Fort Bend County Engineering and TxDOT Project Manager.
- ROW Acquisition: Coordinated with PAS and responded to questions during ROW acquisition process.
- Coordinated with TxDOT to address comments on Exhibit A, Scour Report (LJA), and Traffic Signal Warrant Studies (Infratech)
- Received comments on the typical section from the City of Pearland. Continued discussion with TxDOT and Fort Bend County.

PS&E Design (Dannenbaum)

- 60% PS&E PDF sent to TxDOT on 08/10 following approval of the Drainage Study. Coordinated with TxDOT PM to resolve comments from Austin.
- Continued development of UPRR Exhibit A for submittal to TxDOT. Received comments from Sam Walden on 10/22.
- Continued Utility Plan & Profile sheets, Utility Contacts, and Utility Conflict Analysis.
- Held initial Utility Coordination Meeting with TxDOT on 11/12. 13 Utility Companies attended the meeting. Continued coordinating with individual utility companies following the joint meeting.
- Provided revised Bike Facility Checklist to TxDOT based on comments from the City of Pearland. The location of bicycle accommodations is pending further direction from 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.

Drainage Study (LJA)

- Received approval from TxDOT on 08/06. Printed hard copy and submitted to Houston District Office on 09/30.
- Received additional comments from TxDOT on the Scour Report. TxDOT has new requirements and sheets that need to be included in the Scour Report. Coordinated with Dannenbaum to update the report with expected re-submittal in December.

Traffic Design (infraTECH)

- Continued development of Signing & Pavement Marking plans.
- Continued development of Traffic Signals Layouts.
- Continued Illumination and CTMS plans.
- Received comments from TxDOT on the Signal Warrant Studies. Responded to comments on 10/28, and re-submitted updated Signal Warrant Study to TxDOT on 11/19.
- Completed additional Warrant 9 Traffic Studies as requested by UPRR. Additional intersections analyzed were Evergreen and West Davis. Included new Warrant 9 Traffic Studies with updated Signal Warrant Study submitted to TxDOT on 11/19.

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 review 60% plans.
- Continue development of UPRR Exhibit A. Address comments and resubmit to TxDOT.
- Coordinate with TxDOT to finalize location of bicycle accommodations within the typical section.
- Continue developing quantities, cost estimate, standards and specifications.
- Continue utility conflict analysis. Coordinate with utility companies to provide any requested information. Meet one-on-one with utility companies as needed to progress conflict analysis.

Survey (LJA)

- No work planned.

Drainage Study (LJA)

- Coordinate any drainage changes with PS&E design.
- Address TxDOT's comments on the Scour Report and resubmit to TxDOT.

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.
- Resolve Bicycle Accommodation location within Typical Section.



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Dannenbaum Engineering Corporation