

## DANNENBAUM ENGINEERING CORPORATION

3100 WEST ALABAMA HOUSTON, TEXAS 77098 P.O. BOX 22292 HOUSTON, TEXAS 77227 (713) 520-9570

Stacy Slawinski, P.E.  
Fort Bend County  
301 Jackson Street  
Richmond, Texas 77469-3108

**PO 174087**  
**DMS**  
**REC 564416**

Invoice Date: January 21, 2021  
Invoice Period: 12/1/2020 Through 12/31/2020  
Invoice Number: 479701/22/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
<b>Final PS&amp;E Engineering</b>					
Roadway Design (Dannenbaum)	\$ 597,188.92	78.32%	\$ 467,708.77	\$ 461,911.84	\$ 5,796.93
Drainage Design (Dannenbaum)	\$ 496,261.24	77.00%	\$ 382,121.13	\$ 377,158.52	\$ 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	\$ 209,192.02	\$ -
Traffic - Illumination (Infratech)	\$ 91,926.66	20.57%	\$ 18,909.26	\$ 18,909.26	\$ -
Misc. Roadway & TCP (Dannenbaum)	\$ 518,672.44	78.99%	\$ 409,683.37	\$ 404,839.31	\$ 4,844.06
Structural Design - Broadway Bridge (LJA)	\$ 282,225.00	77.75%	\$ 219,442.89	\$ 219,323.08	\$ 119.81
Structural Design - Misc. Structures (Dannenbaum)	\$ 119,876.74	66.00%	\$ 79,118.65	\$ 79,118.65	\$ -
Management (Dannenbaum)	\$ 226,646.77	78.97%	\$ 178,985.10	\$ 174,452.16	\$ 4,532.94
Management (LJA)	\$ 83,960.00	43.15%	\$ 36,228.06	\$ 35,335.77	\$ 892.29
Management (Infratech)	\$ 33,415.36	88.08%	\$ 29,433.57	\$ 29,433.57	\$ -
<b>Extras</b>					
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	60.49%	\$ 276,581.10	\$ 267,568.30	\$ 9,012.80
Utility Coordination (Dannenbaum)	\$ 225,379.39	59.00%	\$ 132,973.85	\$ 123,958.67	\$ 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	75.00%	\$ 30,000.00	\$ 25,000.00	\$ 5,000.00
Direct Expenses (Dannenbaum)	\$ 26,725.00	21.05%	\$ 5,624.82	\$ 4,823.07	\$ 801.75
Direct Expenses (LJA)	\$ 24,750.00	7.76%	\$ 1,921.59	\$ 1,921.59	\$ -
Direct Expenses (Infratech)	\$ 612.00	82.18%	\$ 502.92	\$ 502.92	\$ -
<b>Bid/Construction Phase Services</b>					
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%	\$ -	\$ -	\$ -
<b>Total Management &amp; Engineering Fees</b>	<b>\$ 4,868,887.80</b>	<b>70.28%</b>	<b>\$ 3,421,993.64</b>	<b>\$ 3,377,015.27</b>	<b>\$ 44,978.37</b>

<b>TOTAL AMOUNT DUE THIS INVOICE:</b>	<b>\$44,978.37</b>
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479701/MJK/II

**Progress Report No. 22**  
**From December 01, 2020 to December 31, 2020**  
**Report Date: January 15, 2021**

**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 TxDOT and responded to questions from property owners during ROW acquisition.
- Coordinated with TxDOT to address comments on Exhibit A, Scour Report (LJA), and Traffic Signal Warrant Studies (Infratech).
- Continued discussion with TxDOT regarding City of Pearland's comment on the typical section related to a preferred side path in lieu of the on-street bicycle lanes.

**PS&E Design (Dannenbaum)**

- Coordinated with TxDOT PM to resolve PS&E Comments.
- Continued development of UPRR Exhibit A for submittal to TxDOT.
- Continued Utility Plan & Profile sheets, Utility Contacts, and Utility Conflict Analysis.
- Continued coordinating with individual utility companies following the joint meeting Utility Coordination 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.
- Updated SUE sheets based on coordination with Dannenbaum.

**Drainage Study (LJA)**

- Completed update and prepared Scour Report for resubmittal to TxDOT. The updated Report was submitted to TxDOT on 01/12.

### **Traffic Design (infraTECH)**

- Continued development of Signing & Pavement Marking plans.
- Continued development of Traffic Signals Layouts.
- Continued Illumination and CTMS plans.
- Updated Signal Warrant Study submitted to TxDOT on 11/19. No further comments from TxDOT at this time.
- 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. TxDOT has not yet indicated if new signals will be located at Evergreen and West Davis.

### **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. Resubmit to TxDOT and arrange conference call with Sam Walden to review package.
- 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.
- Coordinate with City of Pearland to initiate Interlocal Agreement.

#### **Survey (LJA)**

- No work planned.

#### **Drainage Study (LJA)**

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

**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:**

- Resubmit UPRR Exhibit A to TxDOT.
- Resolve Bicycle Accommodation location within Typical Section.



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