

**DANNENBAUM ENGINEERING CORPORATION**

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Fort Bend County  
301 Jackson Street  
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Invoice Date: July 20, 2020  
Invoice Period: 6/1/2020 Through 6/30/2020  
Invoice Number: 479701/16/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)	\$ 597,188.93	72.64%	\$ 433,802.00	\$ 422,558.07	\$ 11,243.93
Drainage Design (Dannenbaum)	\$ 496,261.25	71.00%	\$ 352,345.46	\$ 337,457.62	\$ 14,887.84
Traffic - Signing & Pavement Marking (Infratech)	\$ 125,958.58	60.80%	\$ 76,587.90	\$ 76,587.90	\$ -
Traffic - Signals (Infratech)	\$ 256,812.30	72.72%	\$ 186,757.17	\$ 182,031.94	\$ 4,725.23
Traffic - Illumination (Infratech)	\$ 91,926.66	20.57%	\$ 18,909.26	\$ 18,909.26	\$ -
Misc. Roadway & TCP (Dannenbaum)	\$ 518,672.45	76.10%	\$ 394,698.33	\$ 389,499.55	\$ 5,198.78
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	\$ 77,919.88	\$ 1,198.77
Management (Dannenbaum)	\$ 226,646.78	69.97%	\$ 158,586.87	\$ 154,053.93	\$ 4,532.94
Management (LJA)	\$ 83,960.00	34.31%	\$ 28,805.15	\$ 28,064.79	\$ 740.36
Management (Infratech)	\$ 33,415.36	76.18%	\$ 25,457.46	\$ 24,942.21	\$ 515.25
<b>Extras</b>					
Survey (LJA)	\$ 230,114.99	67.64%	\$ 155,653.05	\$ 155,653.05	\$ -
ROW Parcel Mapping (LJA)	\$ 313,925.00	58.20%	\$ 182,700.78	\$ 173,445.93	\$ 9,254.85
Geotechnical (Associated Testing Laboratories)	\$ 284,997.00	94.34%	\$ 268,863.00	\$ 268,863.00	\$ -
Drainage Impact Study (LJA)	\$ 457,220.00	54.33%	\$ 248,409.70	\$ 241,445.40	\$ 6,964.30
Utility Coordination (Dannenbaum)	\$ 225,379.39	40.00%	\$ 90,151.76	\$ 78,882.79	\$ 11,268.97
SUE (LJA)	\$ 214,405.00	89.46%	\$ 191,805.00	\$ 174,805.00	\$ 17,000.00
Project Initiation & Planning (Dannenbaum)	\$ 30,000.00	100.00%	\$ 30,000.00	\$ 30,000.00	\$ -
Items as Authorized by County	\$ 40,000.00	25.00%	\$ 10,000.00	\$ 10,000.00	\$ -
Direct Expenses (Dannenbaum)	\$ 26,725.00	3.55%	\$ 947.94	\$ 947.94	\$ -
Direct Expenses (LJA)	\$ 24,750.00	2.60%	\$ 642.30	\$ 642.30	\$ -
Direct Expenses (Infratech)	\$ 612.00	72.71%	\$ 445.00	\$ 445.00	\$ -
<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>\$ 4,868,887.84</b>	<b>64.77%</b>	<b>\$ 3,153,650.42</b>	<b>\$ 3,066,119.20</b>	<b>\$ 87,531.22</b>

**TOTAL AMOUNT DUE THIS INVOICE: \$87,531.22**

479701/MJK/II

**Progress Report No. 16**  
**From June 01, 2020 to June 30, 2020**  
**Report Date: July 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.

**PS&E Design (Dannenbaum)**

- 60% PS&E is ready to submit to TxDOT, pending completion of Drainage Study.
- Continued Traffic Control Plans, Construction Staging, Detour Plans, and TCP Narrative.
- 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. Addressed initial comments from TxDOT as well as comments received from 02/27 site meeting with UPRR.
- Continued Utility Plan & Profile sheets, Utility Contacts, and Utility Conflict Analysis. Prepared for initial Utility Coordination Meeting with TxDOT.

**Survey (LJA)**

- Continued addressing comments from TxDOT on the Initial ROW Mapping submittal. The Final ROW Mapping submittal is scheduled for July.
- Continued working on test hole data sheets, which will be submitted to Dannenbaum in July.

**Geotechnical (Associated Testing Laboratories)**

- Received TxDOT approval of the Geotechnical Report on 04/28. No further activities at this time.

**Drainage Study (LJA)**

- Coordinated with Dannenbaum during PS&E design.
- Received TxDOT comments on 06/09. Began addressing comments with plan to resubmit final Drainage Study to TxDOT in July.

- Received comments from TxDOT on Bridge Scour Report on 04/23. Provided comment responses, addressed comments, and resubmitted Scour Report back to TxDOT on 06/15.

### **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)**

- Submit 60% plans to TxDOT and Fort Bend County pending completion of Drainage Study.
- Continue development of UPRR Exhibit A. Address comments from TxDOT and resubmit.
- Continue Traffic Control Plan and Construction Staging.
- 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.
- Continue developing quantities, cost estimate, standards and specifications.
- Continue utility conflict analysis. Arrange Utility Coordination Meeting with TxDOT.

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

- Complete Test Hole Data Sheets and submit to Dannenbaum.
- Submit Final ROW Map Submittal to TxDOT.

#### **Geotechnical (Associated Testing Laboratories)**

- Address any questions from the design team.

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

- Address final TxDOT comments and resubmit report back to TxDOT for approval.

**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:**

- Submit 60% PS&E to TxDOT.
- Submit Final ROW Map Submittal to TxDOT.
- Resubmit UPRR Exhibit A to TxDOT.
- Schedule Utility Coordination meeting with TxDOT.



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