

**DANNENBAUM ENGINEERING CORPORATION**

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

Invoice Date:            October 23, 2020  
 Invoice Period:        9/1/2020 Through 9/30/2020  
 Invoice Number:        479701/19/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	76.41%	\$ 456,289.87	\$ 456,289.87	\$ -
Drainage Design (Dannenbaum)	\$ 496,261.25	75.00%	\$ 372,195.91	\$ 372,195.91	\$ -
Traffic - Signing & Pavement Marking (Infratech)	\$ 125,958.58	60.80%	\$ 76,587.90	\$ 76,587.90	\$ -
Traffic - Signals (Infratech)	\$ 256,812.30	74.61%	\$ 191,597.42	\$ 188,007.67	\$ 3,589.75
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	77.63%	\$ 219,083.46	\$ 218,963.64	\$ 119.82
Structural Design - Misc. Structures (Dannenbaum)	\$ 119,876.74	66.00%	\$ 79,118.65	\$ 79,118.65	\$ -
Management (Dannenbaum)	\$ 226,646.78	73.97%	\$ 167,652.75	\$ 165,386.28	\$ 2,266.47
Management (LJA)	\$ 83,960.00	40.57%	\$ 34,060.36	\$ 33,166.44	\$ 893.92
Management (Infratech)	\$ 33,415.36	83.67%	\$ 27,958.07	\$ 26,932.51	\$ 1,025.56
<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	55.94%	\$ 255,769.90	\$ 254,492.90	\$ 1,277.00
Utility Coordination (Dannenbaum)	\$ 225,379.39	50.00%	\$ 112,689.70	\$ 110,435.91	\$ 2,253.79
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	15.05%	\$ 4,021.32	\$ 3,486.82	\$ 534.50
Direct Expenses (LJA)	\$ 24,750.00	3.62%	\$ 897.12	\$ 871.15	\$ 25.97
Direct Expenses (Infratech)	\$ 612.00	76.88%	\$ 470.52	\$ 445.00	\$ 25.52
<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>67.86%</b>	<b>\$ 3,304,165.90</b>	<b>\$ 3,292,153.60</b>	<b>\$ 12,012.30</b>

<b>TOTAL AMOUNT DUE THIS INVOICE:</b>	<b>\$12,012.30</b>
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**Progress Report No. 19**  
**From September 01, 2020 to September 30, 2020**  
**Report Date: October 15, 2020**

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

**Activities this Billing Period:**

**Project Management (Dannenbaum)**

- Held bi-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: Per correspondence with Houston District, the County can proceed with final title & appraisals. Coordinated with PAS to complete appraisals in preparations for offers.

**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 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. Sent Conflict List and Utility Contacts to TxDOT PM.

**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.

**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 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