

DANNENBAUM ENGINEERING CORPORATION REC 538136

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

Invoice Date: June 15, 2020
Invoice Period: 5/1/2020 Through 5/31/2020
Invoice Number: 479701/15/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	70.76%	\$ 422,558.07	\$ 410,964.22	\$ 11,593.85
Drainage Design (Dannenbaum)	\$ 496,261.25	68.00%	\$ 337,457.62	\$ 327,532.40	\$ 9,925.22
Traffic - Signing & Pavement Marking (Infratech)	\$ 125,958.58	60.80%	\$ 76,587.90	\$ 76,587.90	\$ -
Traffic - Signals (Infratech)	\$ 256,812.30	70.88%	\$ 182,031.94	\$ 176,229.69	\$ 5,802.25
Traffic - Illumination (Infratech)	\$ 91,926.66	20.57%	\$ 18,909.26	\$ 18,909.26	\$ -
Misc. Roadway & TCP (Dannenbaum)	\$ 518,672.45	75.10%	\$ 389,499.55	\$ 379,578.96	\$ 9,920.59
Structural Design - Broadway Bridge (LJA)	\$ 282,225.00	77.58%	\$ 218,963.64	\$ 218,846.21	\$ 117.43
Structural Design - Misc. Structures (Dannenbaum)	\$ 119,876.74	65.00%	\$ 77,919.88	\$ 75,522.35	\$ 2,397.53
Management (Dannenbaum)	\$ 226,646.78	67.97%	\$ 154,053.93	\$ 149,520.99	\$ 4,532.94
Management (LJA)	\$ 83,960.00	33.43%	\$ 28,064.79	\$ 26,130.05	\$ 1,934.74
Management (Infratech)	\$ 33,415.36	74.64%	\$ 24,942.21	\$ 24,496.71	\$ 445.50
Extras					
Survey (LJA)	\$ 230,114.99	67.64%	\$ 155,653.05	\$ 153,533.00	\$ 2,120.05
ROW Parcel Mapping (LJA)	\$ 313,925.00	55.25%	\$ 173,445.93	\$ 170,360.98	\$ 3,084.95
Geotechnical (Associated Testing Laboratories)	\$ 284,997.00	94.34%	\$ 268,863.00	\$ 268,863.00	\$ -
Drainage Impact Study (LJA)	\$ 457,220.00	52.81%	\$ 241,445.40	\$ 238,749.89	\$ 2,695.51
Utility Coordination (Dannenbaum)	\$ 225,379.39	35.00%	\$ 78,882.79	\$ 67,613.82	\$ 11,268.97
SUE (LJA)	\$ 214,405.00	81.53%	\$ 174,805.00	\$ 158,405.00	\$ 16,400.00
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	\$ -
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	62.97%	\$ 3,066,119.20	\$ 2,983,879.67	\$ 82,239.53

TOTAL AMOUNT DUE THIS INVOICE: \$82,239.53

479701/MJK/II

Progress Report No. 15
From May 01, 2020 to May 31, 2020
Report Date: June 12, 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)

- Updated design for 60% PS&E. Prepared updated 60% plan set based on latest drainage design from drainage study. 60% PS&E is ready to submit to TxDOT.
- Continued Traffic Control Plans, Construction Staging, Detour Plans, and TCP Narrative.
- Continued Corridor Model and design Cross Sections, including Broadway and Access Roads.
- Continued Drainage Design, including coordination with LJA to ensure compliance with Drainage Study, Drainage Area Maps, Drainage Plan & Profile Sheets, Laterals, and Hydraulic Computations.
- Updated Bridge design for drainage crossings based on latest Hydraulic Data.
- Received TxDOT comments on Bridge Layouts submitted to Austin in March. Provided comment responses back to TxDOT and updated Bridge Layouts accordingly.
- 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, Utility Conflict Analysis, and SUE QL A Test Hole Plan. Prepared for initial Utility Coordination Meeting with TxDOT.

Survey (LJA)

- Received comments from TxDOT on the Initial ROW Mapping submittal on 06/04 and began addressing comments.
- Completed 28 QL A Test Holes along FM 521. Completed field work in May and began working on test hole data sheets.

Geotechnical (Associated Testing Laboratories)

- Received TxDOT approval of the Geotechnical Report on 04/28.

Drainage Study (LJA)

- Coordinated with Dannenbaum during PS&E design.
- Submitted updated drainage study to TxDOT on 04/17. Awaiting TxDOT comments.
- Received comments from TxDOT on Bridge Scour Report on 04/23. Provided comment responses and addressed comments.

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)

- Continue design development following 60% submittal to TxDOT and Fort Bend County.
- 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.
- Address TxDOT comments on Abstract Maps and Initial Mapping submittal. 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