

DANNENBAUM ENGINEERING CORPORATION

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

Invoice Date: February 14, 2020
Invoice Period: 1/1/2020 Through 1/31/20
Invoice Number: 479701/11/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	54.34%	\$ 324,535.20	\$ 298,536.51	\$ 25,998.69
Drainage Design (Dannenbaum)	\$ 496,261.25	50.00%	\$ 248,130.60	\$ 223,317.54	\$ 24,813.06
Traffic - Signing & Pavement Marking (Infratech)	\$ 125,958.58	60.09%	\$ 75,692.38	\$ 75,692.38	\$ -
Traffic - Signals (Infratech)	\$ 256,812.30	57.06%	\$ 146,524.44	\$ 141,741.94	\$ 4,782.50
Traffic - Illumination (Infratech)	\$ 91,926.66	20.11%	\$ 18,483.36	\$ 18,483.36	\$ -
Misc. Roadway & TCP (Dannenbaum)	\$ 518,672.45	55.32%	\$ 286,918.38	\$ 251,957.83	\$ 34,960.55
Structural Design - Broadway Bridge (LJA)	\$ 282,225.00	74.46%	\$ 210,149.14	\$ 167,734.58	\$ 42,414.56
Structural Design - Misc. Structures (Dannenbaum)	\$ 119,876.74	50.00%	\$ 59,938.38	\$ 56,941.46	\$ 2,996.92
Management (Dannenbaum)	\$ 226,646.78	46.97%	\$ 106,458.11	\$ 90,592.84	\$ 15,865.27
Management (LJA)	\$ 83,960.00	19.68%	\$ 16,523.75	\$ 16,523.75	\$ -
Management (Infratech)	\$ 33,415.36	64.86%	\$ 21,671.71	\$ 16,779.48	\$ 4,892.23
Extras					
Survey (LJA)	\$ 230,114.99	55.66%	\$ 128,092.40	\$ 128,092.40	\$ -
ROW Parcel Mapping (LJA)	\$ 313,925.00	45.87%	\$ 143,988.50	\$ 143,988.50	\$ -
Geotechnical (Associated Testing Laboratories)	\$ 284,997.00	94.34%	\$ 268,863.00	\$ 268,863.00	\$ -
Drainage Impact Study (LJA)	\$ 457,220.00	46.04%	\$ 210,503.80	\$ 206,876.90	\$ 3,626.90
Utility Coordination (Dannenbaum)	\$ 225,379.39	5.00%	\$ 11,268.97	\$ 9,015.18	\$ 2,253.79
SUE (LJA)	\$ 214,405.00	73.88%	\$ 158,405.00	\$ 158,405.00	\$ -
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	3.27%	\$ 872.87	\$ 872.87	\$ -
Direct Expenses (LJA)	\$ 24,750.00	2.60%	\$ 642.30	\$ 642.30	\$ -
Direct Expenses (Infratech)	\$ 612.00	68.22%	\$ 417.50	\$ 342.50	\$ 75.00
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	50.90%	\$ 2,478,079.79	\$ 2,305,400.32	\$ 172,679.47

TOTAL AMOUNT DUE THIS INVOICE: \$172,679.47

479701/MJK/II

Progress Report No. 11
From January 01, 2020 to January 31, 2020
Report Date: February 13, 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.
- Coordinated with RODS Surveying to obtain Survey Control Package for resubmittal to TxDOT.
- Coordinated with PAS regarding right of way acquisition.

PS&E Design (Dannenbaum)

- Continued to advance design to 60% PS&E.
- Continued Project Layouts, Typical Sections, Roadway Plans, and Intersection Layouts.
- Continued Roadway Design. Focused on ditch design, driveways, and intersections.
- Continued Traffic Control Plans, Construction Staging, Detour Plans, and TCP Narrative.
- Continued Corridor Model and design Cross Sections, including Broadway and Access Roads.
- Continued Retaining Wall Plan & Profile Sheets for Broadway Overpass, Clear Creek, FBC Ditch A, American Canal, and Mustang Bayou.
- Continued Drainage Design, including coordination with LJA to ensure compliance with Drainage Study, Drainage Area Maps, and Drainage Plan & Profile Sheets.
- Continued Bridge design for drainage crossings.
- Continued to coordinate with TxDOT to address all comments. Submitted comment responses to TxDOT.
- Continued development of quantities and cost estimate.
- Continued list of standards.
- Continued development of UPRR Exhibit A for submittal to TxDOT.
- Began Utility Plan & Profile sheets and Utility Conflict Analysis.

Survey (LJA)

- Processed latest survey results and updated topo DGN and TIN files, including additional survey on Broadway.
- Corrected Parcel Plats based on comments from County.

Geotechnical (Associated Testing Laboratories)

- Received comments from County on 02/14. Created responses and began addressing issues.
- Coordinated with design team regarding slope stability, retaining wall design, and pond design.

Drainage Study (LJA)

- Coordinated with Dannenbaum during PS&E design.

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 toward 60% submittal to TxDOT and Fort Bend County.
- Continue development of UPRR Exhibit A.
- Continue Traffic Control Plan and Construction Staging.
- Continue review of intersections, side streets, driveways, and existing UPRR crossings.
- Continue 3D Corridor Model and design Cross Sections.
- Continue drainage design, focusing on ditch design.
- Continue developing quantities and updated cost estimate.
- Continue list of project standards and specifications.
- Continue existing utility sheets and utility conflict analysis.

Survey (LJA)

- Develop initial plans for QL A SUE work.
- Address TxDOT comments on Abstract Maps and Preliminary Mapping submittal

Geotechnical (Associated Testing Laboratories)

- Address any comments from TxDOT on draft report.

Drainage Study (LJA)

- Address any comments from TxDOT on final report.

Traffic Design (infraTECH)

- Continue development of Signing & Pavement Marking plans toward 60% submittal.
- Continued development of Traffic Signals Layouts toward 60% submittal.
- Continue Illumination and CTMS plans toward 60% submittal.

Approvals and Planned Deliverables next Month:

- Continue 60% PS&E with planned submittal to TxDOT in February.
- Meet with TxDOT to review UPRR Exhibit A.
- Meet with TxDOT to review Drainage Study and resolve final comments.
- Submit final geotechnical report.
- Plan for 30% Utility Coordination meeting at TxDOT in February.



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