

PO # 174087
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 Rec 489749

DANNENBAUM ENGINEERING CORPORATION

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Richard Stolleis, P.E.
 Fort Bend County
 301 Jackson Street
 Richmond, Texas 77469-3108

Invoice Date: April 23, 2019
 Invoice Period: 01/07/19 Through 03/31/19
 Invoice Number: 479701/01/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)	\$ 597,189.08	0.00%	\$ -	\$ -	\$ -
Drainage Design (Dannenbaum)	\$ 496,261.25	0.00%	\$ -	\$ -	\$ -
Traffic - Signing & Pavement Marking (Infratech)	\$ 125,958.58	0.00%	\$ -	\$ -	\$ -
Traffic - Signals (Infratech)	\$ 252,812.30	0.00%	\$ -	\$ -	\$ -
Traffic - Illumination (Infratech)	\$ 130,009.66	0.00%	\$ -	\$ -	\$ -
Misc. Roadway & TCP (Dannenbaum)	\$ 518,672.45	0.00%	\$ -	\$ -	\$ -
Structural Design - Broadway Bridge (LJA)	\$ 282,225.00	0.00%	\$ -	\$ -	\$ -
Structural Design - Misc. Structures (Dannenbaum)	\$ 119,876.74	0.00%	\$ -	\$ -	\$ -
Management (Dannenbaum)	\$ 226,646.78	3.97%	\$ 9,000.00	\$ -	\$ 9,000.00
Management (LJA)	\$ 83,960.00	0.00%	\$ -	\$ -	\$ -
Management (Infratech)	\$ 33,415.36	0.00%	\$ -	\$ -	\$ -
Extras					
Survey (LJA)	\$ 224,235.00	0.00%	\$ -	\$ -	\$ -
ROW Parcel Mapping (LJA)	\$ 310,955.00	0.00%	\$ -	\$ -	\$ -
Geotechnical (Associated Testing Laboratories)	\$ 264,264.00	25.00%	\$ 66,066.75	\$ -	\$ 66,066.75
Drainage Impact Study (LJA)	\$ 457,220.00	0.00%	\$ -	\$ -	\$ -
Utility Coordination (Dannenbaum)	\$ 225,379.39	0.00%	\$ -	\$ -	\$ -
SUE (LJA)	\$ 214,405.00	0.00%	\$ -	\$ -	\$ -
Project Initiation & Planning (Dannenbaum)	\$ 30,000.00	100.00%	\$ 30,000.00	\$ -	\$ 30,000.00
Items as Authorized by County	\$ 40,000.00	0.00%	\$ -	\$ -	\$ -
Direct Expenses (Dannenbaum)	\$ 26,725.00	0.00%	\$ -	\$ -	\$ -
Direct Expenses (LJA)	\$ 20,250.00	0.00%	\$ -	\$ -	\$ -
Direct Expenses (Infratech)	\$ 612.00	0.00%	\$ -	\$ -	\$ -
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	\$ 4,868,888.00	2.16%	\$ 105,066.75	\$ -	\$ 105,066.75

TOTAL AMOUNT DUE THIS INVOICE: \$105,066.75

479701/MJK/II

*OK, JJK
 04/29/19*

**Progress Report No. 01
From February 01, 2019 to March 31, 2019
Report Date: April 18, 2019**

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

Activities this Billing Period:

Project Management (Dannenbaum)

- Received executed agreement from Fort Bend County on January 22 and PO number 174087 on February 08.
- Provided Contracts and Work Authorizations (WA) to sub consultants.
- Held internal Project Kick-off meeting with sub consultants on January 14.
- Arranged weekly progress conference calls with Project Design Team beginning on March 5.
- Attended Kick-off meeting with Fort Bend County on March 6.
- Setup ProjectWise and provided access to project team.
- Coordinated Right of Entry for surveying and geotechnical work off ROW.
- Obtained Environmental Reports and documents from TxDOT.
- Reviewed schematic design in advance of meetings with TxDOT.
- Coordinated and managed surveying, geotechnical, and drainage design efforts.
- Provided Project and Traffic information to Precinct 1 for coordination with City of Pearland and Pearland TIRZ 2.
- Established naming convention for design files.

Survey (LJA)

- Executed Contract & WA and coordinated with Dannenbaum to begin work.
- Began field activities and established Control.
- Contacted Texas 811 to mark existing utilities.
- Collected topography features and updated CAD file.

Geotechnical (Associated Testing Laboratories)

- Executed Contract & WA and coordinated with Dannenbaum to begin work.
- Obtained TxDOT permit, marked borings, contacted Texas 811 to clear utilities, & setup TCP.
- Completed approximately 50% of fieldwork.
- Completed approximately 25% of laboratory testing.
- Began preparing field data and boring logs.

Drainage Study (LJA)

- Executed Contract & WA and coordinated with Dannenbaum to begin work.
- Delineated offsite drainage areas and reviewed existing conditions.
- Utilized roadway profile elevations to establish roadway drainage areas and outfalls.
- Met with Lake Olympia Parkway design consultants (RPS) to coordinate drainage areas and flow to FM 521 project.

Activities Next Month:

Project Management (Dannenbaum)

- Schedule Kick-off Meeting and Design Concept Conference with TxDOT.
- Continue weekly conference calls with Project Design Team.
- Continue coordination with sub consultants.

PS&E Design (Dannenbaum)

- Begin plan set setup.
- Begin Title Sheet, Index, Typical Section, Boring Layouts.
- Begin review of Schematic Geometric design, focusing on proposed profile grade line.
- Begin conceptual Traffic Control Plan and Construction Staging.
- Begin review of intersections, side streets, driveways, and existing UPRR crossings.
- Establish contact with UPRR.

Survey (LJA)

- Complete topography survey.
- Continue to update survey CAD file.
- Continue utility survey, including Level B SUE.
- Obtain Right of Entry to complete existing parcel surveys.
- Begin preparation of Right of Way Maps.

Geotechnical (Associated Testing Laboratories)

- Complete all fieldwork on authorized borings. Detention pond borings will be authorized upon completion of Drainage Study.
- Continue laboratory testing on completed borings.
- Continue preparing field data and boring logs.

Drainage Study (LJA)

- Continue development of existing and proposed drainage areas and outfalls.
- Schedule meeting with TxDOT to discuss project parameters.
- Review impacts of Atlas 14 rainfall data.
- Continue Drainage Study report.

Approvals and Planned Deliverables next Month:

- Submit Design Summary Report to TxDOT for Design Concept Conference.



Michael J. Kaspar, P.E.