

PO 167061  
 DMS  
 REC 622343

**DANNENBAUM ENGINEERING CORPORATION**

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 Fort Bend County  
 301 Jackson Street  
 Richmond, Texas 77469-3108

Invoice Date: February 14, 2022  
 Invoice Period: 1/1/22 Through 1/31/22  
 Invoice Number: 513601/32/II

For Professional Services:

In connection with Grand Parkway (SH 99) Southbound Frontage Road - Segment 2 (SOQ 14-025)  
**P.O. Number 167061**  
 2017 Mobility Bond Project #17304

DESCRIPTION OF WORK TASK	TOTAL CONTRACT AMOUNTS	PERCENT COMPLETE TO DATE	AMOUNTS EARNED TO DATE	PREVIOUSLY INVOICED AMOUNTS	CURRENT INVOICE AMOUNTS
<b>Advanced Planning / Preliminary Engineering</b>					
Schematic Design (Dannenbaum)	\$ 155,487.41	100.00%	\$ 155,487.41	\$ 155,487.41	\$ -
Environmental / NEPA (SWCA)	\$ 167,000.00	96.17%	\$ 160,595.59	\$ 159,381.48	\$ 1,214.11
Traffic Studies (TEDSI)	\$ 13,016.64	0.00%	\$ -	\$ -	\$ -
Drainage Impact Report (Sirrus)	\$ 78,720.00	83.55%	\$ 65,772.00	\$ 64,347.00	\$ 1,425.00
Management (Dannenbaum)	\$ 168,284.94	100.00%	\$ 168,284.94	\$ 168,284.94	\$ -
<b>Final PS&amp;E Engineering</b>					
Roadway Design (Dannenbaum)	\$ 117,898.37	70.00%	\$ 82,528.87	\$ 70,739.03	\$ 11,789.84
Drainage Design (Sirrus)	\$ 87,715.00	60.70%	\$ 53,244.00	\$ 31,039.50	\$ 22,204.50
SW3P (Dannenbaum)	\$ 24,018.62	50.00%	\$ 12,009.30	\$ 7,205.58	\$ 4,803.72
Traffic - Signals (TEDSI)	\$ 13,328.99	0.00%	\$ -	\$ -	\$ -
Traffic - Signing & Pavement Marking (Dannenbaum)	\$ 43,524.10	70.00%	\$ 30,466.89	\$ 26,114.48	\$ 4,352.41
Misc. & TCP (Dannenbaum)	\$ 149,212.22	70.00%	\$ 104,448.54	\$ 89,527.32	\$ 14,921.22
Management (Dannenbaum)	\$ 214,838.40	70.00%	\$ 150,386.87	\$ 118,161.11	\$ 32,225.76
<b>Extras</b>					
Survey (Weisser)	\$ 67,835.00	77.54%	\$ 52,597.36	\$ 52,597.36	\$ -
ROW Parcel Mapping (Weisser)	\$ 39,625.00	66.32%	\$ 26,278.88	\$ 26,278.88	\$ -
Geotechnical (Aviles)	\$ 119,319.11	94.41%	\$ 112,648.07	\$ 112,648.07	\$ -
Utility Coordination (Dannenbaum)	\$ 61,808.64	37.20%	\$ 22,993.11	\$ 18,402.68	\$ 4,590.43
Direct Expenses (Dannenbaum)	\$ 15,025.00	17.97%	\$ 2,699.93	\$ 2,399.43	\$ 300.50
<b>Bid/Construction Phase Services</b>					
Post Design Services (Dannenbaum)	\$ 36,306.36	0.00%	\$ -	\$ -	\$ -
<b>Total Management &amp; Engineering Fees</b>	\$ 1,572,963.80	76.32%	\$ 1,200,441.76	\$ 1,102,614.27	\$ 97,827.49

**TOTAL AMOUNT DUE THIS INVOICE: \$97,827.49**

513601/MJK/II

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**Progress Report No. 32**  
**From January 01, 2022 to January 31, 2022**  
**Report Date: February 10, 2022**

**2017 Mobility Bond Program SOQ 14-025**

**Project: SH99 Grand Parkway Southbound Frontage Road Segment 2**  
**FM 1093 to Fry Road**

**Activities this Billing Period:**

**Project Management (DEC)**

- Participated in conference calls with TEDSI, SWCA, SIRRUS, Aviles, RPS, and SPI to coordinate project activities.
- Continued design and plan production toward 90% PS&E submitted to TxDOT on 02/11.
- Reviewed environmental status based on questions from TxDOT and their consultant.

**Environmental Studies (SWCA)**

- Participated in conference calls with TxDOT.
- Coordinated with TxDOT to update and close Technical Reports on ECOS.
- STIP uploaded to ECOS as part of Air Conformity resolution.

**Survey (Weisser)**

- Discussed status of ROW mapping and prepared to proceed with preparation for TxDOT submittal, pending direction from County.

**Geotechnical (Aviles)**

- Completed engineering analyses.
- Completed draft report and submitted to DEC for review.

**PS&E Design (DEC)**

- Addressed TxDOT and RPS comments on the 60% PS&E design.
- Received and reviewed updated design files from RPS.
- Continued development of Typical Sections, Frontage Road and Ramp Plan & Profile, and OpenRoads Corridor Model.
- Continued development of removal plans, TCP, Retaining Wall plans, sound wall plans, Signing and Pavement Marking Layouts, SW3P, Soil Boring Layouts and Boring Logs.
- Submitted Exit Ramp Bridge Layouts package to RPS and TxDOT.

### **Drainage PS&E Design (Sirus)**

- Continued Overall Drainage Area Map, Drainage Area Maps, and Drainage Plan & Profile sheets based on design from Sirrus Draft Drainage Study.

### **Activities Next Month:**

#### **Project Management (DEC)**

- Hold progress conference calls with Design Team as needed to provide updates.
- Address any comments from TxDOT on the 90% PS&E design.
- Continue development of PS&E design toward 90% submittal to TxDOT on 02/11 and 95% submittal to TxDOT on 03/03.

#### **Environmental Studies (SWCA)**

- Continue coordination with TxDOT to address remaining environmental issues.
- Continue to answer any questions from TxDOT.

#### **Survey (Weisser)**

- Update ROW mapping and parcel plats, pending direction from Fort Bend County.

#### **Geotechnical (Aviles)**

- Address any comments on the draft geotechnical report.
- Review the 90% plans and confirm compliance with geotechnical recommendations.

#### **PS&E Design (DEC)**

- Continue work on Typical Sections, Roadway Plan & Profile, and OpenRoads Corridor Model.
- Continue TCP, Removal, and Signing and Pavement Marking Plans.
- Continue work on Retaining Wall and Sound Wall design.
- Continue structural design of exit ramp bridge.

#### **Drainage PS&E Design (Sirus)**

- Review drainage study provided by TxDOT's consultant RPS when it is provided.
- Continue development of Drainage plans.

**Approvals and Planned Deliverables next Month:**

- 90% PS&E submittal date to TxDOT is currently scheduled for 02/11
- 95% PS&E submittal date to TxDOT is currently scheduled for 03/03



Michael J. Kaspar, P.E.