

DANNENBAUM ENGINEERING CORPORATION

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Fort Bend County
301 Jackson Street
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Invoice Date: January 13, 2022
Invoice Period: 12/1/21 Through 12/31/21
Invoice Number: 513601/31/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
Advanced Planning / Preliminary Engineering					
Schematic Design (Dannenbaum)	\$ 155,487.41	100.00%	\$ 155,487.41	\$ 155,487.41	\$ -
Environmental / NEPA (SWCA)	\$ 167,000.00	95.44%	\$ 159,381.48	\$ 158,308.73	\$ 1,072.75
Traffic Studies (TEDSI)	\$ 13,016.64	0.00%	\$ -	\$ -	\$ -
Drainage Impact Report (Sirrus)	\$ 78,720.00	81.74%	\$ 64,347.00	\$ 64,347.00	\$ -
Management (Dannenbaum)	\$ 168,284.94	100.00%	\$ 168,284.94	\$ 168,284.94	\$ -
Final PS&E Engineering					
Roadway Design (Dannenbaum)	\$ 117,898.37	60.00%	\$ 70,739.03	\$ 53,054.27	\$ 17,684.76
Drainage Design (Sirrus)	\$ 87,715.00	35.39%	\$ 31,039.50	\$ 16,927.50	\$ 14,112.00
SW3P (Dannenbaum)	\$ 24,018.62	30.00%	\$ 7,205.58	\$ 4,803.72	\$ 2,401.86
Traffic - Signals (TEDSI)	\$ 13,328.99	0.00%	\$ -	\$ -	\$ -
Traffic - Signing & Pavement Marking (Dannenbaum)	\$ 43,524.10	60.00%	\$ 26,114.48	\$ 19,585.86	\$ 6,528.62
Misc. & TCP (Dannenbaum)	\$ 149,212.22	60.00%	\$ 89,527.32	\$ 67,145.49	\$ 22,381.83
Management (Dannenbaum)	\$ 214,838.40	55.00%	\$ 118,161.11	\$ 75,193.43	\$ 42,967.68
Extras					
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	\$ 102,998.13	\$ 9,649.94
Utility Coordination (Dannenbaum)	\$ 61,808.64	29.77%	\$ 18,402.68	\$ 13,812.25	\$ 4,590.43
Direct Expenses (Dannenbaum)	\$ 15,025.00	15.97%	\$ 2,399.43	\$ 2,249.18	\$ 150.25
Bid/Construction Phase Services					
Post Design Services (Dannenbaum)	\$ 36,306.36	0.00%	\$ -	\$ -	\$ -
Total Management & Engineering Fees	\$ 1,572,963.80	70.10%	\$ 1,102,614.27	\$ 981,074.15	\$ 121,540.12

TOTAL AMOUNT DUE THIS INVOICE: \$121,540.12

513601/MJK/II

ED

Progress Report No. 31
From December 01, 2021 to December 31, 2021
Report Date: January 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 60% PS&E submitted to TxDOT on 12/17.
- Reviewed environmental status based on questions from TxDOT and their consultant.

Environmental Studies (SWCA)

- Participated in conference calls with TxDOT.
- Received confirmation from H-GAC via Fort Bend County that the two SH 99 frontage road projects with MPOIDs/CSJs 451/3510-04-055 and 455/3510-04-054 are now approved in STIP by FHWA on 12/01/2021.
- Coordinated with TxDOT to update Technical Reports.
- Updated and entered project information into ECOS, including the Conformity Report and STIP page.

Survey (Weisser)

- Discussed project's vertical control and discrepancy (around 6") from control utilized in RPS survey. Proceeded with RPS vertical control and tin file for consistency with main lane design.
- Discussed status of ROW mapping and prepared to proceed with preparation for TxDOT submittal, pending direction from County.

Geotechnical (Aviles)

- Completed all Lab Testing and continued engineering analyses.
- Began draft report.

PS&E Design (DEC)

- 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.
- Continued Exit Ramp Bridge Layouts.

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 60% PS&E design.
- Continue development of PS&E design toward 90% submittal to TxDOT in March.

Environmental Studies (SWCA)

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

Survey (Weisser)

- Begin final ROW mapping and any necessary updated to parcel plats, pending direction from Fort Bend County.

Geotechnical (Aviles)

- Prepare and submit final Boring Logs to DEC.
- Complete Engineering Analysis for MSE Walls and Structure.
- Prepare and submit Geotechnical Report to DEC.

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 March 2022.



Michael J. Kaspar, P.E.