

DANNENBAUM ENGINEERING CORPORATION

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Fort Bend County
301 Jackson Street
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Invoice Date: December 9, 2021
Invoice Period: 11/1/21 Through 11/30/21
Invoice Number: 513601/30/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	94.80%	\$ 158,308.73	\$ 157,675.28	\$ 633.45
Traffic Studies (TEDSI)	\$ 13,016.64	0.00%	\$ -	\$ -	\$ -
Drainage Impact Report (Sirus)	\$ 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	45.00%	\$ 53,054.27	\$ 47,159.35	\$ 5,894.92
Drainage Design (Sirus)	\$ 87,715.00	19.30%	\$ 16,927.50	\$ 6,771.00	\$ 10,156.50
SW3P (Dannenbaum)	\$ 24,018.62	20.00%	\$ 4,803.72	\$ 3,602.79	\$ 1,200.93
Traffic - Signals (TEDSI)	\$ 13,328.99	0.00%	\$ -	\$ -	\$ -
Traffic - Signing & Pavement Marking (Dannenbaum)	\$ 43,524.10	45.00%	\$ 19,585.86	\$ 15,233.45	\$ 4,352.41
Misc. & TCP (Dannenbaum)	\$ 149,212.22	45.00%	\$ 67,145.49	\$ 52,224.27	\$ 14,921.22
Management (Dannenbaum)	\$ 214,838.40	35.00%	\$ 75,193.43	\$ 42,967.67	\$ 32,225.76
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	86.32%	\$ 102,998.13	\$ 93,236.55	\$ 9,761.58
Utility Coordination (Dannenbaum)	\$ 61,808.64	22.35%	\$ 13,812.25	\$ 11,976.08	\$ 1,836.17
Direct Expenses (Dannenbaum)	\$ 15,025.00	14.97%	\$ 2,249.18	\$ 2,098.93	\$ 150.25
Bid/Construction Phase Services					
Post Design Services (Dannenbaum)	\$ 36,306.36	0.00%	\$ -	\$ -	\$ -
Total Management & Engineering Fees	\$ 1,572,963.80	62.37%	\$ 981,074.15	\$ 899,940.96	\$ 81,133.19

TOTAL AMOUNT DUE THIS INVOICE: \$81,133.19

513601/MJK/II

ED

Progress Report No. 30
From November 01, 2021 to November 30, 2021
Report Date: December 06, 2021

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 scheduled for submittal to TxDOT in December.
- 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 Technical Reports.
- Updated and entered project information into ECOS.
- Need resolution of project conformity status and Project Let Date to obtain approval.

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 drilling for new borings B-14 through B-20 associated with Exit Ramp Bridge in October and provided field drilling logs.
- Continued Lab Testing and began engineering analyses.

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 (Sirrus)

- 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 30% PS&E design.
- Continue development of 60% PS&E design toward TxDOT submittal in December.

Environmental Studies (SWCA)

- Continue coordination with TxDOT to address remaining environmental issues.
- Continue to answer any questions from TxDOT.
- Approval is pending resolution of project conformity status and updated Let Date.

Survey (Weisser)

- Coordinate with adjacent project to resolve project vertical control.
- Begin final ROW mapping and any necessary updated to parcel plats, pending direction from Fort Bend County.

Geotechnical (Aviles)

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

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 (Sirrus)

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

Approvals and Planned Deliverables next Month:

- TxDOT approval of CE (Environmental Document) is pending resolution of project conformity status and updated Let Date.
- 60% PS&E submittal date to TxDOT is currently scheduled for December.

A handwritten signature in blue ink, appearing to read "Michael J. Kaspar".

Michael J. Kaspar, P.E.