

# DANNENBAUM ENGINEERING CORPORATION

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PO #167061

Rec 465680

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

Invoice Date: September 17, 2018  
Invoice Period: 07/03/18 Through 08/31/18  
Invoice Number: 513601/01/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)	\$ 155,487.36	12.41%	\$ 19,298.37	\$ -	\$ 19,298.37
Environmental / NEPA (SWCA)	\$ 147,000.00	1.56%	\$ 2,299.33	\$ -	\$ 2,299.33
Traffic Studies (TEDSI)	\$ 13,016.64	0.00%	\$ -	\$ -	\$ -
Drainage Impact Report (Sirus)	\$ 78,720.00	47.83%	\$ 37,650.00	\$ -	\$ 37,650.00
Management (Dannenbaum)	\$ 168,284.94	5.00%	\$ 8,414.25	\$ -	\$ 8,414.25
<b>Final PS&amp;E Engineering</b>					
Roadway Design (Dannenbaum)	\$ 117,898.37	0.00%	\$ -	\$ -	\$ -
Drainage Design (Sirus)	\$ 87,715.00	0.00%	\$ -	\$ -	\$ -
SW3P (Dannenbaum)	\$ 24,018.62	0.00%	\$ -	\$ -	\$ -
Traffic - Signals (TEDSI)	\$ 33,328.99	0.00%	\$ -	\$ -	\$ -
Traffic - Signing & Pavement Marking (Dannenbaum)	\$ 43,524.10	0.00%	\$ -	\$ -	\$ -
Misc. & TCP (Dannenbaum)	\$ 149,212.22	0.00%	\$ -	\$ -	\$ -
Management (Dannenbaum)	\$ 214,838.40	0.00%	\$ -	\$ -	\$ -
<b>Extras</b>					
Survey (Weisser)	\$ 92,460.00	41.11%	\$ 38,007.10	\$ -	\$ 38,007.10
ROW Parcel Mapping (Weisser)	\$ 15,000.00	0.00%	\$ -	\$ -	\$ -
Geotechnical (Aviles)	\$ 63,121.46	35.30%	\$ 22,281.88	\$ -	\$ 22,281.88
Utility Coordination (Dannenbaum)	\$ 91,808.64	0.00%	\$ -	\$ -	\$ -
Direct Expenses (Dannenbaum)	\$ 15,025.00	0.00%	\$ -	\$ -	\$ -
<b>Bid/Construction Phase Services</b>					
Post Design Services (Dannenbaum)	\$ 62,504.06	0.00%	\$ -	\$ -	\$ -
<b>Total Management &amp; Engineering Fees</b>	\$ 1,572,963.80	8.13%	\$ 127,950.93	\$ -	\$ 127,950.93

**TOTAL AMOUNT DUE THIS INVOICE: \$127,950.93**

513601/MJK/II

OK, JSS  
10/02/18

**Progress Report No. 01**  
**From July 03, 2018 to August 31, 2018**  
**Report Date: September 12, 2018**

**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:**

**Schematic Design (Dannenbaum):**

- Received executed agreement from Fort Bend County on July 13.
- Provided Contracts and Work Authorizations (WA) to sub consultants.
- Held Project Kick-off meeting and arranged weekly progress conference calls with Segment 1 project lead TEDSI.
- Began development of preliminary roadway schematic.
- Coordinated with TxDOT's consultants Walter P. Moore and Entech to obtain latest PDFs and design files of TxDOT's mainlane widening schematic.
- Coordinated and managed surveying, geotechnical, and drainage design efforts.

**Survey (Weisser)**

- Executed Contract & WA and coordinated with Dannenbaum to begin work.
- Set Control along Segment 2 to TxDOT standards.
- Collected topography features and created CAD file.
- Added utilities based on approximate ROW.
- Finalized existing ROW and added to the CAD file.
- Began creation of Right of Way Maps.

**Geotechnical (Aviles)**

- Executed Contract & WA and coordinated with Dannenbaum to begin work.
- Obtained TxDOT permit, marked borings, contacted Texas 811 to clear utilities, & setup TCP.
- Drilled Borings B-1 through B-13.
- Began laboratory testing.

**Drainage Study (Sirrus)**

- 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.
- Provided preliminary offsite and inline detention volumes to Dannenbaum.
- Created Exhibits for Drainage Study.
- Began Drainage Study report.

#### **Activities Next Month:**

##### **Schematic Design (Dannenbaum):**

- Continue Schematic Design Development.
- Revise design based on September 4 meeting with Fort Bend County.
- Arrange meeting with TxDOT.
- Continue coordination with sub consultants.

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

- Complete topography survey and CAD file.
- Complete utility survey.
- Continue preparation of Right of Way Maps.

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

- Complete laboratory testing.
- Begin Engineering analyses.

##### **Drainage Study (Sirrus)**

- Coordinate with Dannenbaum as schematic is developed.
- Continue Drainage Study report.

#### **Approvals and Planned Deliverables next Month:**

- Submit schematic to Fort Bend County for review.
- Submit preliminary drainage report to Fort Bend County for review.



Michael J. Kaspar, P.E.

**Svatek, Donna**

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**From:** Elise Dillow <edillow@spi-eng.com>  
**Sent:** Monday, October 01, 2018 1:44 PM  
**To:** ENGINvoices  
**Cc:** Mark Dessens  
**Subject:** Grand Parkway Frontage Rd Invoice  
**Attachments:** FBC SH99 Frontage Road-Invoice 1 August 2018.pdf

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good Afternoon,

Attached is Dannenbaum's invoice for Grand Parkway Frontage Rd Segment 2. I have reviewed the invoice and approve it for processing. Please let me know if you have any questions.

Thank you,

**Elise Dillow | E.I.T.**  
p 281.920.0487 | f 281.920.9924



[www.SPI-ENG.com](http://www.SPI-ENG.com)