

PO # 166114
DMS Rec 467473

TERRA
ASSOCIATES, INC.
CONSULTING ENGINEERS

1445 North Loop West, Suite 450
Houston, TX 77008
713-993-0333

FORT BEND COUNTY ENGINEERING DEPARTMENT
Richard Stolleis, County Engineer
301 Jackson Street
Richmond, TX 77469

Invoice number 29472
Date 10/10/2018

Project 0522-1801 Brandt Road - PO #166114 - Invoice
Sequence # 5

Billing Period through: September 30, 2018

Current Charges:

Professional Engineering Services	\$ 41,805.56
Professional Surveying / Consulting Services	\$ 21,939.00
Reimbursable	\$ 600.00
TOTAL AMOUNT THIS INVOICE:	\$ 64,344.56

OUTSTANDING INVOICES \$ 0.00

BALANCE DUE:

\$ 64,344.56

OK, JH
10/19/18

Aging Summary

Invoice Number	Invoice Date	Outstanding	Current	Over 30	Over 60	Over 90	Over 120
29472	10/10/2018	64,344.56	64,344.56				
	Total	64,344.56	64,344.56	0.00	0.00	0.00	0.00

To insure proper credit, please include Project Number and Invoice Number on your remittance.
Payment due upon Receipt of Invoice.

Invoice number 29472

Date 10/10/2018

Project: 0522-1801 Brandt Road - PO #166114 - Invoice
Sequence #

Invoice Detail by Task

Description	Contract Amount	% Billed To Date	Total Billed	Remaining Balance	Current Billed
A01 Preliminary Design Services	520,420.00	67.74	352,555.02	167,864.98	63,744.56
A02 Preliminary Design Reimbursable Expenses	8,000.00	45.00	3,599.93	4,400.07	600.00
A03 Right-of-Way Parcel Exhibits	15,000.00	0.00	0.00	15,000.00	0.00
C01 Final Design Services	456,750.00	0.00	0.00	456,750.00	0.00
C02 Final Design Reimbursable Expenses	10,000.00	0.00	0.00	10,000.00	0.00
D01 Bid & Construction Phase Services	31,610.00	0.00	0.00	31,610.00	0.00
D02 Bid & Construction Phase Reimbursable Expenses	3,500.00	0.00	0.00	3,500.00	0.00
Total	1,045,280.00	34.07	356,154.95	689,125.05	64,344.56

BRANDT ROAD: FROM McCRARY ROAD TO MASON ROAD

Fort Bend Count Proj. No.: 17310
TAI Job No.: 0522-1801
TBPE Registration No.: F-003832

Re: September 2018 - STATUS REPORT

The following is a comprehensive summary of the progress for the Surveying and Design of the aforementioned project:

Survey

- 1.
2. Substantially complete on boundary analysis (received boundary control from Jones & Carter).
3. Received plans from Pecan Grove MUD engineer.
4. Topographic survey is 70% complete.
5. Received Brandt Road alignment CADD file from J&C (from Precinct Line Road westward).
6. Received P&P sheets from Energy Transfer PL for the 4' & 6" lines from Mason Road to McCrary Road.
7. Prepared preliminary alignment center line from McCrary to Mason. Received intersection location from Civil Corp for the McCrary and Brandt Road intersection.
8. Preparing preliminary design of roundabouts for Precinct Line Road and James Long Parkway/Skinner Road intersections.
9. Located probes for 14-inch south cross line between Mason and Skinner.
10. Met with Energy Transfer to discuss alignment at the project site.
11. Performed surveying on Mr. Yan property at Skinner and proposed Brandt and discussed surveying on his property. Received a Letter for Right of Entry from Mr. Yan.
12. Topo survey is complete. Existing ROW has been finalized. Proposed ROW needs to be defined to begin proposed parcel takings description and exhibits. Three parcels were planned and now there will be approximately twelve parcels.

Drainage Study

1. Obtained master study from County for area and LIDAR (no change).
2. Obtained information from Ventana engineers (still need some more).
3. Delineated overall drainage boundary and sub boundaries of project.
4. Started HEC-HMS model
5. 100% complete on HEC-HMS Model
6. 95% complete on drainage report.
7. Revising drainage study per comments at PER meeting on October 9th.

Engineering and Other Services

1. PER is 100% complete, including 30% drawings and preliminary drainage analysis.
2. Started roundabout iterations for the Precinct Line and James Long intersections.
3. Completed drillings for geotech report.
4. Coordinated with Bio-West on obtaining OHWM definition to ensure a Corp permit will not be required.
5. Structural working on preliminary bridge layout and cross section. Bridge to be 195-feet long (3 65-foot sections)
6. Revising 30% drawings based on comments at PER meeting.
7. Revisiting drainage study based on PER comments.
8. Finalizing geotechnical report.

Work to be accomplished October 1 to October 31, 2018:

1. Coordinate with Civil Corp, Pape Dawson, Jones and Carter, and LIA concerning mitigation and drainage from McCrary Road to Precinct Line Road. Complete written report of drainage study and submit for approval.
2. Obtain signed final geotechnical report.
3. Complete the 30% drawings based on PER comments
4. Revise the cost estimate based on the updated 30% drawings.
5. Submit entire PER package for review.
6. Complete and submit ROW taking parcel maps.
7. Prepare for and attend the October 23, 2018 meeting with FBC Engineering.
8. Finalize action items from October 9, 2018 PER meetings.

Issues or problems:

1. West end ROW alignment issue between LIA and Jones and Carter need to get resolved.
2. Conflict with structure on Mr. Yan's property. Boundary overlap with adjacent plat.
3. Need Bio-West to obtain right of entry to properties along Jones Creek to verify exact location of OHWM.
4. Need grading plan and drainage from Jones and Carter for McCrary Meadows (west side to Precinct Line Road).
5. Coordinate with SPI for utility relocations and adjustments.
6. Meet with FBCDD concerning action items from October 9, 2018 meetings with McCrary Meadows and the 30 percent PER review prior to the October 23, 2018 meeting with FBC Engineering.

Svatek, Donna

From: Elise Dillow <edillow@spi-eng.com>
Sent: Wednesday, October 17, 2018 2:48 PM
To: ENGInvoices
Cc: Mark Dessens
Subject: Brandt Rd Invoice
Attachments: 2018 September_Invoice# 29472.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 Terra's invoice for Brandt Rd. 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