

PO # 166114

Dms

Rec 471498

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 29585
Date 11/13/2018

Project 0522-1801 Brandt Road - PO #166114 - Invoice
Sequence # 6

Billing Period through: October 31, 2018

Current Charges:

Professional Engineering Services	\$ 10,409.75
Professional Surveying / Consulting Services	\$ 75,767.50
Reimbursable	\$ 400.00

TOTAL AMOUNT THIS INVOICE:

\$ 86,577.25

OK, JSS
11/26/18

OUTSTANDING INVOICES

\$ 64,344.56

BALANCE DUE:

\$ 150,921.81

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			
29585	11/13/2018	86,577.25	86,577.25				
Total		150,921.81	86,577.25	64,344.56	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.

FORT BEND COUNTY ENGINEERING DEPARTMENT

Invoice number 29585

Date 11/13/2018

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	81.42	423,732.27	96,687.73	71,177.25
A02 Preliminary Design Reimbursable Expenses	8,000.00	50.00	3,999.93	4,000.07	400.00
A03 Right-of-Way Parcel Exhibits	15,000.00	100.00	15,000.00	0.00	15,000.00
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 ✓	42.36	442,732.20 ✓	602,547.80 ✓	86,577.25

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: October 2018 - STATUS REPORT

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

Survey

1. Survey Control and recovery of Right of Way and Boundary Substantially Complete (same as last Month)
2. Topographic Survey is substantially complete (Same as Last month)
3. Obtained AT&T and Center Point Maps (Same as last Month)
4. Performed ONE CALL for underground utility locations (Same as last Month)
5. Obtained plans from FCMUD 143 and McCrary Meadows Engineers (LJA only) (Same as last Month)
6. Obtained plans from FCMUD 146 Engineers (Same as last Month)
7. Met with FCMUD 143 and McCrary Meadows Engineers (Same as last Month)
8. Received Abstracting data for preparation of working sketch (Same as last Month)
9. Received Brandt Road CADD file alignment from McCrary Road to east (Same as last Month)
10. Received Drainage Study from LJA from west side of McCrary Meadows (Same as last Month)
11. Substantially Complete with boundary Analysis (Same as last Month)
12. Received Plans from Pecan Grove MUD Engineer (Same as last Month)
13. Received Boundary and Control from Jones and Carter between McCrary and Precinct Line Road (Same as last Month)
14. 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. (Same as last month)
15. Received Brandt Road CADD file alignment from Precinct Line Road to the west from Jones and Carter
16. Received plan and profile sheets for the 4 and 6 inch Energy Transfer Pipeline from Mason Road to McCrary Road.
17. Prepared preliminary alignment center line from McCrary to Mason. Received intersection location from Civil Court for the McCrary and Brandt Road intersection.
18. Prepared preliminary design of roundabouts for Precinct Line Road and James Long Parkway/Skinner Road intersections.
19. Located probes for 14 inch south cross line between Mason and Skinner.
20. Met with Energy Transfer to discuss alignment at the project site.
21. Coordinated soil boring locations with Murillo
22. Met with Pecan Grove MUD engineer, Justin Ring with Odyssey Engineers, on August 23, 2018 and discussed access to new Brandt Road from Surface water plant including abandonment of existing driveway and miscellaneous items of coordination, existing drainage of water plant site, and utility crossing (6- inch force main, 8 and 12-inch water lines) for new Brandt Road
23. Met with Mark Vogler at FBCDD on August 15, 2018 to discuss drainage study of project, policy for storm water detention, bridge at Jones Creek, Pecan Bend drainage, over flow between Oyster Creek and Jones Creek, drainage from the Pochyla property and Jones Creek function including no planned maintenance by FBCDD
24. Met with Fort Bend County Engineers office staff and Brandt team members to review alignment and issues relating to the alignment.
25. Received approved plans for McCrary meadows Section 4 and notice of construction to begin for Water, sanitary and Drainage and Channel Project to serve this project (Requested to be notified of paving NTP)
26. Coordinated Pipeline locations with South Cross (14-inch) and Energy Transfer (4 and 6-inch line with only one line changes sizes along same route)
27. Determined Energy Transfer line is in a dedicated ROW of FBC and was constructed under a permit from FBC (need to determine legal requirements for FBC and Energy Transfer from permit from FBC)

28. Prepared draft parcel descriptions and exhibits for view by the title company, SPI and FBC Engineering (completed 14 draft parcels and descriptions and submitted the first 9 by November 2, 2018 and submitted the remaining 5 on November 12, 2018).

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 95% complete, including 30% drawings and preliminary drainage analysis. Making final revisions based on PER meeting from October 9.
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 November 1 to November 30, 2018:

1. Prepare final parcel descriptions and exhibits based on comments from the title company, SPI, and FBC Engineering.
2. Prepare right of way maps including parcel takings.
3. Prepare Final Draft Cost Estimate / 30 percent Report and drawings for team to review in November, 2018
4. Prepare Final PER/30 percent Report for submittal to SPI in November, 2018
5. Coordinate with Civil Corp, Pape Dawson, Jones and Carter, and LJA concerning mitigation and drainage from McCrary Road to Precinct Line Road. Complete written report of drainage study and submit for approval.
6. Finalize action items from October 9, 2018 PER meetings.

Issues or problems:

1. Need Bio-West to confirm the Jones Creek OHWM is no higher than 2-feet from the flow line.
2. Need grading plan and drainage from Jones and Carter for McCrary Meadows (west side to Precinct Line Road).
3. Meet with FBCDD to confirm design data memo is accurate.
4. Alignment of Brandt from Precinct Line to McCrary Road including the intersection of McCrary Road and Brandt Road (need to set up meeting with Civil Corp to discuss the inter face between the two projects)
5. Set up meeting to discuss the FCMUD 143 6-inch force main and 24-inch effluent line adjustments.
6. Conflict with structure on Mr. Yan's property. Boundary overlap with adjacent plat.
7. Coordination with utility relocations with SPI, FBC MUD 143, FBC MUD 146, Pecan Grove MUD, South Cross and Energy Transfer at various locations along the route.
8. OHWM locations for Oyster Creek. Need something from Bio West in writing stating where OHWM is in Jones Creek.

Svatek, Donna

From: Elise Dillow <edillow@spi-eng.com>
Sent: Wednesday, November 21, 2018 11:56 AM
To: ENGInvoices
Cc: Mark Dessens
Subject: Brandt Road PO#166114 Invoice + Progress Report
Attachments: 2018 October_Invoice #29585.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 Morning,

Please find attached 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