



EnTouch Systems, Inc
11011 Richmond, Suite 400
Houston, Texas 77042
281-225-1000 Fax 281-225-0540

PO # 158977

oms

Rec 430592

Proposal No. 2017- 1093-001

INVOICE

Customer

Name Fort Bend County
Address 301 Jackson St
City Richmond State TX ZIP 77469
Phone 281-633-7539

Date 12/6/2017
Order No. PO # 158977
Rep

QTY	Description	Unit Price	TOTAL
1	Material Costs	\$ 28,569.78	\$ 28,569.78
1	Construction Labor	\$ 22,339.05	\$ 22,339.05
1	Engineering Costs and Permits	\$ 5,159.40	\$ 5,159.40
1	Entouch Project Management	\$ 3,000.00	\$ 3,000.00
Start Date - 10/10/17 Completion Date - 11/6/17			

Payment Details

- ☐ Cash
☐ Check

Subtotal \$ 59,068.23
Shipping & Handling 0
Tax 0

TOTAL \$ 59,068.23

Fort Bend County Reimbursement (50%) \$ 29,534.12

Office Use Only

ok to pay
WB
12/13/17

Entouch Systems

Customer:	Fort Bend County
PO #	158977
Job Number:	WOCFB1304
Community:	Ft Bend County
Section:	FM 1093 Road widening

Project Description:	Westpark Tollway Extension Phase II
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Elite Utility Services	\$22,339.05	Invoice # 15086
Byers Engineering	\$5,159.40	Invoice # 723049
Project Management	\$3,000.00	See Project Management Tab
Material	\$28,569.78	See Material Tab
Total Cost	\$59,068.23	

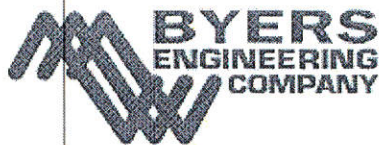
GP Item #	Material List	Vendor		Cost	Qty	Total
FIBER						
FIB000088	12Ct. Fiber-Commscope/KGP	KGP	Per FT	\$0.29		\$0.00
FIB000089	24Ct. Fiber-Commscope/KGP	KGP	Per FT	\$0.37		\$0.00
FIB000090	48Ct. Fiber-Commscope/KGP	KGP	Per FT	\$0.48		\$0.00
FIB000091	96Ct. Fiber-Commscope/KGP	KGP	Per FT	\$0.85		\$0.00
FIB000092	144Ct. Fiber-Commscope/KGP	KGP	Per FT	\$1.24	16500	\$20,460.00
FIB000105	288Ct. Fiber		Per FT	\$2.48		\$0.00
Conduit						
CON000005	1 1/4" Conduit	CSC	Per FT	\$0.42		\$0.00
CON000006	2" Conduit	CSC	Per FT	\$0.76	2100	\$1,596.00
CON000010	1" Plenum Flex Duct	Graybar	Per FT	\$2.05		\$0.00
Handholes						
FIB000086	24X36X36 PC TIER 15 PULL BOX W/COVER SMALL HH	City Build	Each	\$385.00	4	\$1,540.00
FIB000087	30x48x36 PolyConcrete box, open bottom. 2 piece lid LARGE HH	City Build	Each	\$500.00		\$0.00
FIB000009	Fiber Markers - Poly Dome Posts		Each	\$12.00	4	\$48.00
Splice Cases/Trays						
FIB000107	FOSC450-D6-6-NT-0-D3V - KGP Underground (Tyco Splice Case)	KGP	Each	\$316.69	2	\$633.37
FIB000108	FOSC-ACC-D-TRAY-36-KIT - KGP (Tyco Splice Tray)	KGP	Each	\$20.82	8	\$166.58
Aerial						
AE000001	430 Lashing Wire -2 Per 1000 ft Aerial	P&T	Per Roll	\$9.68	26	\$251.68
AE000002	1/4" Extra High Strength Strand		Per Ft	\$0.12	15200	\$1,824.00
AE000004	5/8" x 14" Thimble Eye Bolt (box of 25)	P&T	Each	\$3.40	100	\$340.00
AE000007	2" Square Washer (box of 100) (2 per pole)	P&T	Each	\$0.21	200	\$42.00
AE000008	5/8" Square Nut (box of 100) (1 per pole)	P&T	Each	\$0.19	200	\$38.00
AE000009	3 Bolt B Suspension Clamp (box of 25) (1 per pole)	P&T	Each	\$2.85	100	\$285.00
BC000102	Aerial Fiber markers (4" Orange Panel- part # APCM40) (1 per pole)	ACP	Each	\$1.55	100	\$155.00
AE000010	1/4" Guy Grip (Dead End) (box of 100)	P&T	Each	\$1.12	100	\$112.00
AE000011	Anchor - 6" 3/4" X 66"	P&T	Each	\$18.89	5	\$94.45
AE000012	Yellow Guy Guard (box of 25)	P&T	Each	\$3.63	10	\$36.30
AE000013	2"x8" Plastic U-guard (box of 100)	P&T	Each	\$8.34	10	\$83.40
AE000014	Bug Nuts (box of 100) (2 per pole)	P&T	Each	\$0.40	200	\$80.00
AE000015	Panduit Support Tie and Spacer (100/bag)	P&T	Each	\$0.84	200	\$168.00
AE000016	Weaver Clamp (box of 100)	P&T	Each	\$4.16	1	\$4.16
AE000020	Aerial Hanger Clamp Kit	P&T	Each	\$21.89	8	\$175.12
AE000021	6 GA Copper Bare Wire (315' roll)	P&T	Each	\$115.92	0.5	\$57.96
AE000022	1/4" x 2" Galvanized Lag Screw	P&T	Each	\$0.20	25	\$5.00
AE000023	1/4 straight splice for strand	P&T	Each	\$10.35	2	\$20.70
AE000024	16" Aluminum Fiber Storage Unit	P&T	Each	\$50.00	4	\$200.00
AE000026	Hook 5/8" Guy w/Integral Lag (Goat Head)	P&T	Each	\$2.76	8	\$22.08
AE000032	Double Arming Bolt - Riser Standoff	City Build	Each	\$5.95	6	\$35.70
AE000033	2 1/4" X 2 1/4" X 1/8" Square Washer - Riser Standoff	City Build	Each	\$0.45	6	\$2.70
AE000034	Unistrut - Galv. 1/5/8" Slotted - Riser Standoff (10')	City Build	Each	\$1.45	6	\$8.70
AE000035	4" Unistrut Pipe Clamp - Riser Standoff	City Build	Each	\$6.99	12	\$83.88

Cost: \$28,569.78

Total Cost: \$28,569.78

Project Management

Project Manager	Cost Per Hour	Total Hours	Total Cost
Wesley Pennix	\$ 75.00	40	\$ 3,000.00



6285 BARFIELD ROAD - ATLANTA, GEORGIA 30328-4303
404.843.1000 – FAX 404.843.2116 – www.byers.com
FEI#58-1117270

STATEMENT

EnTouch Systems
11011 Richmond Ave.
Suite 400
Houston, Tx 77042

No. 723046

DATE 10/11/17

Attention: Wesley Pennix

Byers No. FTH42054
Job No. WO17CFB1304

Field notes, Cad drawings, WestPark Tollway relocation Phase II

1. BEC100 - Engineering/Design and Draft Underground new build – see attachment
1,211 @ \$0.60 = \$726.60
2. BEC101 - Engineering/Design and Draft Underground for Fiber installed within existing infrastructure-see attachment
2,763' @ \$0.60 = \$1,657.80
3. BEC105 – Pole attachment application – see attachment
23 @ \$25 = \$575.00
4. BEC110 – Permit Acquisition - see attachment
1 permit @ \$1,200 = \$1,200.00
5. BEC203 – Project Coordinator/Engineering Designer to assist Manager (as required) - see attachment
20 hours @ \$50.00 = \$1,000.00

Statement Amount

\$5,159.40

ELITE UTILITY SERVICES, INC.

15918 ESCHER
CYPRESS, TX 77429

Invoice

Date	Invoice #
11/8/2017	15086

Bill To
En-Touch Systems, Inc. 11011 Richmond Suite 400 Houston, Texas 77042

1463 Cut Around WOCFB1304

P.O. Number	Terms	Project
	Net 30	

Item Number	Description	Quantity	Amount
	1463 Cut Around WOCFB1304		
AER-001	Install Strand and Hardware	870	261.00
AER-003	Lash Fiber Over 1,000ft	870	452.40
AER-006	Over Lash Fiber	870	522.00
AER-008	De Lash / Relash Fiber / singal Fiber	3,979	2,188.45
AER-012	Wreck Out fiber and strand	15,000	2,700.00
AER-013	Pole Transfer	6	186.00
AER-014	Pole Attachment	26	390.00
AER-015	Install Down Guy	5	97.50
AER-021	Place Bond	5	13.75
AER-022	Remove / Replace down guy	6	90.00
AER-023	Install Anchor	5	125.00
AER-028	Placement of Snowshoes and repair storage loop	3	300.00
Fib-010	Fusion Splice 97-288	192	3,456.00
FIB-002	Fiber Cable Prep Fee	4	300.00
FIB-003	Enclosure Re-Entry	2	200.00
UG-005	2in Bore	1,219	9,142.50
UG-010	Place Small Handhole	4	500.00
UG-011	Place Ground Rod	4	60.00
UG-012	Place Sign	4	34.00
UG-013	Place cable or fiber in conduit	1,219	670.45
MISC-004	Emergency Call-Out Mobilization Fee for either aerial or underground crews	2	650.00
Total			\$22,339.05

Harris, Britten

From: Michael Kaspar <Michael.Kaspar@dannenbaum.com>
Sent: Tuesday, December 12, 2017 3:42 PM
To: Harris, Britten; Peterson, Jillian
Cc: Peterson, Jillian
Subject: RE: FM 1093 Westpark Extension Phase II - U0028: EnTouch Agreement
Attachments: Entouch Invoice with detail 2017.12.12.pdf

Britten,

Attached is the Phase II-A Entouch invoice for processing. I have reviewed the invoice and have no objection.

Thanks,

Michael Kaspar, P.E.
Dannenbaum Engineering Corporation
3100 W. Alabama
Houston, TX 77098-2094
Ph: 713-527-6374
Cell Ph: 979-270-1115
E-mail: michael.kaspar@dannenbaum.com

From: Michael Kaspar
Sent: Tuesday, December 12, 2017 12:12 PM
To: 'Harris, Britten' <Britten.Harris@fortbendcountytexas.gov>; Peterson, Jillian <Jillian.Peterson@fortbendcountytexas.gov>
Cc: Peterson, Jillian <Jillian.Peterson@fortbendcountytexas.gov>
Subject: RE: FM 1093 Westpark Extension Phase II - U0028: EnTouch Agreement

Britten,

Thank you. Please send the original to me.

Thanks,

Michael Kaspar, P.E.
Dannenbaum Engineering Corporation
3100 W. Alabama
Houston, TX 77098-2094
Ph: 713-527-6374
Cell Ph: 979-270-1115
E-mail: michael.kaspar@dannenbaum.com

From: Harris, Britten [<mailto:Britten.Harris@fortbendcountytexas.gov>]
Sent: Tuesday, December 12, 2017 12:08 PM
To: Michael Kaspar <Michael.Kaspar@dannenbaum.com>; Peterson, Jillian <Jillian.Peterson@fortbendcountytexas.gov>
Cc: Peterson, Jillian <Jillian.Peterson@fortbendcountytexas.gov>
Subject: RE: FM 1093 Westpark Extension Phase II - U0028: EnTouch Agreement

Michael,

Please see attached. I have not received the pdf copy of the po, but its PO#158977. Do you need the original agreement? If so, where can I mail it to?

Thanks!



Britten Harris

Admin Assistant - Engineering
Fort Bend County Engineering

301 Jackson St. Ste 401 | Richmond Tx 77469

Britten.harris@fortbendcountytexas.gov

Phone: 281-633-7539

From: Michael Kaspar [<mailto:Michael.Kaspar@dannenbaum.com>]
Sent: Monday, December 11, 2017 1:56 PM
To: Harris, Britten; Peterson, Jillian
Cc: Peterson, Jillian
Subject: RE: FM 1093 Westpark Extension Phase II - U0028: EnTouch Agreement

Britten,

When was the EnTouch agreement approved by Commissioner's Court, and do you have a PO for the work? That have now completed their relocation and submitted an invoice.

Thanks,

Michael Kaspar, P.E.
Dannenbaum Engineering Corporation
3100 W. Alabama
Houston, TX 77098-2094
Ph: 713-527-6374
Cell Ph: 979-270-1115
E-mail: michael.kaspar@dannenbaum.com

From: Michael Kaspar
Sent: Wednesday, October 4, 2017 10:52 AM
To: 'Harris, Britten' <Britten.Harris@fortbendcountytexas.gov>; Peterson, Jillian <Jillian.Peterson@fortbendcountytexas.gov>
Cc: Peterson, Jillian <Jillian.Peterson@fortbendcountytexas.gov>
Subject: RE: FM 1093 Westpark Extension Phase II - U0028: EnTouch Agreement

Britten,

\$60,421.43 is the total relocation cost. The reimbursement amount is 50%, or \$30,210.72

Michael Kaspar, P.E.
Dannenbaum Engineering Corporation
3100 W. Alabama