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MAY 05 2021

MARTIN COUNTY PUBLIC WORKS DEPARTMENT

ENGINEER'S OPINION OF PROBABLE COST GROWTH MANAGEMENT DEPARTMENT



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PROJECT NAME: Palm Pike Crossing Phase 1

PHASE/PARCEL/PLAT: ROW Work

ITEM	QTY	UNIT	UNIT PRICE	AMOUNT
EARTHWORK/SITEWORK				
a) Mobilization	1	LS	\$30,000.00	30,000.00
b) Clearing, grading and grubbing	0.5	AC	\$3,000.00	1,380.00
c) Excavation (cut)	0	CY	\$7.00	0.00
d) Embankment (fill)	29	CY	\$12.50	362.50
e) Sod and seed/mulch	494	SY	\$2.00	988.00
f) Concrete disposal	0.0	TN	\$60.00	0.00
g) Erosion control	1	LS	\$15,000.00	15,000.00
h) Fencing/railing	0	LS	\$0.00	0.00
i) Materials testing	1	LS	\$15,000.00	15,000.00
			Subtotal	62,730.50
ROADWORK				
a) Asphalt milling, 1" avg.	9,955	SY	\$1.50	14,932.50
b) Stabilized subgrade, roll in place	0	SY	\$3.00	0.00
c) Stabilized subgrade, Type B, 12" thick	6,211	SY	\$7.50	46,582.50
d) Paving base, optional base group 6	5,646	SY	\$12.50	70,575.00
e) Paving base, optional base group 9	0	SY	\$15.50	0.00
f) Paving base, other	0	SY	\$0.00	0.00
g) Asphaltic concrete, SP-9.5, 1-1/2" thick	5,646	SY	\$15.00	84,690.00
h) Asphaltic concrete, SP-9.5, 2 1/2" thick	0	SY	\$25.00	0.00
i) Asphaltic concrete, SP-9.5, 3" thick	0	SY	\$30.00	0.00
j) Asphalt overlay, SP-9.5 (<= 150 tons)	12	TN	\$150.00	1,800.00
k) Asphalt overlay, SP-9.5 (> 150 tons)	0	TN	\$120.00	0.00
l) Pervious asphalt or concrete	0	SY	\$60.00	0.00
m) Concrete curb & gutters	1,586	LF	\$14.25	22,600.50
q) Sidewalk, 6' wide	1,300	LF	\$25.00	32,500.00
r) Maintenance of traffic (M.O.T.)	1	LS	\$90,000.00	90,000.00
			Subtotal	363,680.50
DRAINAGE				
a) Inlets / Manholes (<10' depth)	6	EA	\$3,000.00	18,000.00
b) Inlets / Manholes (10' or > depth)	0	EA	\$4,000.00	0.00
c) Control structures	0	EA	\$6,000.00	0.00
d) Endwalls	2	CY	\$700.00	1,400.00
e) Rip-rap	32	CY	\$80.00	2,560.00

f) Storm culvert, 15" dia. or equiv.	<u>0</u>	LF	\$28.00	0.00
g) Storm culvert, 18" dia. or equiv.	<u>280</u>	LF	\$34.00	9,520.00
h) Storm culvert, 24" dia. or equiv.	<u>97</u>	LF	\$48.00	4,656.00
i) Storm culvert, 30" dia. or equiv.	<u>0</u>	LF	\$65.00	0.00
j) Storm culvert, 36" dia. or equiv.	<u>0</u>	LF	\$88.00	0.00
k) Storm culvert, 48" dia. Or equiv.	<u>0</u>	LF	\$125.00	0.00
l) Exfiltration trench	<u>0</u>	LF	\$100.00	0.00
			Subtotal	36,136.00

UTILITIES

a) Water main, 4"	<u>0</u>	LF	\$13.00	0.00
b) Water main, 6"	<u>0</u>	LF	\$17.50	0.00
c) Water main, 8"	<u>0</u>	LF	\$23.50	0.00
d) Water main, 10"	<u>0</u>	LF	\$31.25	0.00
e) Water main, 12"	<u>523</u>	LF	\$40.00	20,920.00
f) Water service, single	<u>0</u>	EA	\$790.00	0.00
g) Water service, double	<u>0</u>	EA	\$930.00	0.00
h) Fire hydrant assembly	<u>0</u>	EA	\$3,600.00	0.00
i) Sewer main, 8" gravity (<=8' depth)	<u>0</u>	LF	\$28.00	0.00
j) Sewer main, 8" gravity (<8'-12' depth)	<u>0</u>	LF	\$43.00	0.00
k) Sewer main, 8" gravity (<12'-16' depth)	<u>0</u>	LF	\$88.00	0.00
l) Sewer main, 8" gravity (<16'-20' depth)	<u>0</u>	LF	\$104.00	0.00
m) Sewer main, force, (4")	<u>474</u>	LF	\$13.50	6,399.00
n) Sewer manhole (<=8' depth)	<u>0</u>	EA	\$2,900.00	0.00
o) Sewer manhole (<8'-12' depth)	<u>0</u>	EA	\$3,850.00	0.00
p) Sewer manhole (<12'-16' depth)	<u>0</u>	EA	\$5,500.00	0.00
q) Sewer manhole (<16'-20' depth)	<u>0</u>	EA	\$8,800.00	0.00
r) Sewer lateral, single	<u>0</u>	EA	\$900.00	0.00
s) Sewer lateral, double	<u>0</u>	EA	\$1,100.00	0.00
t) Lift Station	<u>0</u>	EA	\$0.00	0.00
u) Directional drill (<= 6" dia.)	<u>110</u>	LF	\$50.00	5,500.00
v) Directional drill (8"-10" dia.)	<u>0</u>	LF	\$88.00	0.00
w) Directional drill (12" or > dia.)	<u>123</u>	LF	\$140.00	17,220.00
			Subtotal	\$50,039.00

TRAFFIC

a) Signage	<u>1</u>	LS	\$2,500.00	5,000.00
b) Striping	<u>1</u>	LS	\$2,500.00	15,000.00
c) Control devices (signals)	<u>1</u>	EA	\$325,000.00	325,000.00
			Subtotal	\$345,000.00

SURVEY

a) Setting P.C.P.'s	<u>0</u>	LS	\$0.00	0.00
b) Setting and replacing all P.R.M.'s	<u>0</u>	LS	\$0.00	0.00
c) Setting all lot corners	<u>0</u>	LS	\$0.00	0.00
			Subtotal	\$0.00

MISCELLANEOUS

a) Pedestrian Railing	<u>108</u>	LF	\$100.00	10,800.00
b) Retaining Wall	<u>250</u>	LF	\$250.00	62,500.00
c) Tideflex Check Valve	<u>2</u>	EA	\$1,200.00	1,200.00

d)	12" Wet Tap	1	EA	\$1,200.00	1,200.00
e)	10"x4" Wet Tap	1	EA	\$1,000.00	1,000.00
f)	Sample Point	2	EA	\$600.00	600.00
				Subtotal	\$77,300.00

TOTAL ESTIMATED COST OF IMPROVEMENTS

\$934,886.00

Is this related to a Development Order? Yes or No

YES

If no, then the security shall be 110% of Engineers Opinion of Probable Cost

110% of Engineers Opinion of Probable Cost

\$934,886.00

****Disclaimer****

- 1) Unit prices pre-entered on this spreadsheet reflect Martin County annual requirements contractors' unit prices and should not be modified without the approval of the County Engineer or his designee.

Prepared by:

Brandon Ulmer

Professional Engineer's Name

Professional Engineer's Signature / Seal

68345

P.E. No.

4/20/2021

Date

Thomas Engineering Group

CA#27528

Firm's Name and Licensed Business No. (if applicable)

125 W. Indiantown Road Ste. 206 Jupiter, FL 33458

Firm's Address

561-203-7503

Phone No.

County Engineer's (or designee) Acceptance