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**ENGINEERS PUBLIC IMPROVEMENT COST ESTIMATE  
 TRAILS AT CROWFOOT FILING 9  
 11/21/2019**

**EARTHWORK**

No.	Description	Quantity	Unit	UNIT COST	Total Cost
	OVERLOT GRADING	535,000	C.Y.	\$2.05	\$1,096,750.00
	IMPORT/EXPORT	0	C.Y.	\$4.40	\$0.00
	TOP SOIL	65,140	C.Y.	\$1.75	\$113,995.00
	RETAINING WALL (4' MAX HEIGHT)	240	S.F.	\$45.00	\$10,800.00
Total Cost					<b>\$1,221,545.00</b>

**ROADWAY**

No.	Description	Quantity	Unit	Cost/Unit	Total Cost
	6" VERTICAL CURB & GUTTER (2' PAN)	9,502	L.F.	\$18.00	\$171,036.00
	6" VERTICAL CURB & GUTTER (1' PAN)	2,044	L.F.	\$17.00	\$34,748.00
	4" MOUNTABLE CURB & GUTTER	3,056	L.F.	\$20.00	\$61,120.00
	HOT MIX ASPHALT PAVEMENT (5" DEPTH)	17,064	S.Y.	\$23.00	\$392,472.00
	CONCRETE PAVEMENT	2,979	S.Y.	\$70.00	\$208,506.67
	AGGRIGATE BASE COURSE	3,783	C.Y.	\$42.25	\$159,813.75
	SUBGRADE STABILIZATION	22,695	S.Y.	\$1.30	\$29,504.08
	ROADWAY SUBGRADE PREP (EXTEND 2' OUTSIDE CURB)	22,695	S.Y.	\$1.30	\$29,504.08
	5' DETACHED CONCRETE SIDEWALK	9,502	L.F.	\$21.75	\$206,668.50
	8' DETACHED CONCRETE SIDEWALK	650	L.F.	\$34.80	\$22,620.00
	SIDEWALK SUBGRADE PREP (MIN 1' OUTSIDE LIMITS)	7,390	S.Y.	\$1.30	\$9,607.58
	CORNER CURB RAMP (INCLUDES SUBGRADE PREP)	35	EA.	\$2,000.00	\$70,000.00
	MIDBLOCK CURB RAMP (INCLUDES SUBGRADE PREP)	7	EA.	\$2,200.00	\$15,400.00
	CROSS PAN (INCLUDES SUBGRADE PREP)	250	S.Y.	\$94.50	\$23,625.00
	TRENCH DRAIN	2,044	L.F.	\$18.00	\$36,792.00
	MEDIAN COVER	1,363	S.Y.	\$81.00	\$110,403.00
	ADJUST MANHOLE	51	EA.	\$620.00	\$31,620.00
	ADJUST WATER VALVE	44	EA.	\$247.00	\$10,868.00
Total Cost					<b>\$1,624,308.65</b>

**CONCRETE TRAILS**

No.	Description	Quantity	Unit	Cost/Unit	Total Cost
	10' REGIONAL TRAIL	5,245	L.F.	\$43.50	\$228,157.50
	SIDEWALK SUBGRADE PREP (MIN1' OUTSIDE LIMITS)	6,993	S.Y.	\$2.60	\$18,182.67
Total Cost					<b>\$246,340.17</b>

**STRIPING**

Item	Description	Quantity	Unit	Cost/Unit	Total Cost
	LONG LINE EPOXY PVMT. MARKING	68	GAL	\$105.00	\$7,130.00
	CROSSWALK BAR	3,800	S.F.	\$8.00	\$30,400.00
	STOP BAR	0	S.F.	\$0.93	\$0.00
	ARROW	8	EA.	\$120.00	\$960.00
Total Cost					<b>\$38,490.00</b>

**SIGNAGE (INCLUDE POST AND ANCHOR)**

Item	Description	Quantity	Unit	Cost/Unit	Total Cost
	STREET NAME SIGN	8	EA.	\$400.00	\$3,200.00
	GROUND SIGN	0	EA.	\$280.00	\$0.00
	TYPE III BARRICADE	1	EA.	\$2,500.00	\$2,500.00
	SPECIAL SIGN (SPEED LIMIT, DEAD END, MISC SIGNS)	6	EA.	\$270.00	\$1,620.00
Total Cost					<b>\$7,320.00</b>

**DRAINAGE AND STORMWATER IMPROVMENTS**

Item	Description	Quantity	Unit	Cost/Unit	Total Cost
	18" RCP	1,280	L.F.	\$48.00	\$61,440.00
	24" RCP	1,071	L.F.	\$65.00	\$69,615.00
	30" RCP	231	L.F.	\$95.00	\$21,945.00
	36" RCP	457	L.F.	\$116.00	\$53,012.00
	48" RCP	0	L.F.	\$180.00	\$0.00
	24" FES WITH CONCRETE CUTOFF WALL	0	EA.	\$4,200.00	\$0.00
	36" FES WITH CONCRETE CUTOFF WALL	0	EA.	\$6,605.00	\$0.00
	48" FES WITH CONCRETE CUTOFF WALL	0	EA.	\$6,805.00	\$0.00
	4' MANHOLE	12	EA.	\$2,755.00	\$33,060.00
	5' MANHOLE	7	EA.	\$3,800.00	\$26,600.00
	5' TYPE R INLET	0	EA.	\$8,500.00	\$0.00
	10' TYPE R INLET (SPECIFIC ON 10" INCREMENT)	7	EA.	\$9,200.00	\$64,400.00
	15' TYPE R INLET	8	EA.	\$12,000.00	\$96,000.00
	TYPE C AREA INLET	2	EA.	\$4,900.00	\$9,800.00

Total Cost **\$435,872.00**

**PUBLIC IMPROVMENTS (TOWN) SUBTOTAL \$3,573,875.82**

CONSTRUCTION CONTINGENCY (10%) \$357,387.58  
 MOBILIZATION (5%) \$178,693.79  
 SURVEYING (3%) \$107,216.27  
 CONSTRUCTION MANAGEMENT & TESTING (12%) \$428,865.10

**PUBLIC IMPROVEMENT TOTAL \$4,646,038.57**

**SECURITY AT 110% = \$5,110,642.42**