



CVL Consultants of Colorado, Inc.
 10333 E. Dry Creek Rd
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 Englewood, Colorado 80112
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**ENGINEERS PUBLIC IMPROVEMENT COST ESTIMATE
 TRAILS AT CROWFOOT FILING 1
 12/5/2017**

EARTHWORK

No.	Description	Quantity	Unit	UNIT COST	Total Cost
	OVERLOT GRADING	880,000	C.Y.	\$3.00	\$2,640,000.00
	IMPORT/EXPORT	0	C.Y.	\$6.00	\$0.00
	TOP SOIL	104,400	C.Y.	\$1.75	\$182,700.00
Total Cost					\$2,822,700.00

ROADWAY

No.	Description	Quantity	Unit	Cost/Unit	Total Cost
	6" VERTICAL CURB & GUTTER (2' PAN)	8,973	L.F.	\$22.00	\$197,406.00
	6" VERTICAL CURB & GUTTER (1' PAN)	8,210	L.F.	\$22.00	\$180,620.00
	4" MOUNTABLE CURB & GUTTER	13,796	L.F.	\$24.00	\$331,104.00
	HOT MIX ASPHALT PAVEMENT (5' DEPTH)	44,068	S.Y.	\$23.50	\$1,035,590.17
	CONCRETE PAVEMENT	1,927	S.Y.	\$90.00	\$173,460.00
	AGGRIGATE BASE COURSE	10,498	C.Y.	\$40.50	\$425,181.00
	SUBGRADE STABILIZATION	62,990	S.Y.	\$2.10	\$132,278.53
	ROADWAY SUBGRADE PREP (EXTEND 2' OUTSIDE CURB)	62,990	S.Y.	\$1.25	\$78,737.22
	COLORED CONCRETE CROSSWALK	500	S.Y.	\$160.00	\$80,000.00
	5' DETACHED CONCRETE SIDEWALK	18,862	L.F.	\$27.00	\$509,274.00
	8' SIDEWALK	3,507	L.F.	\$45.50	\$159,568.50
	SIDEWALK SUBGRADE PREP (MIN 1' OUTSIDE LIMITS)	18,567	S.Y.	\$1.25	\$23,208.89
	CORNER CURB RAMP (INCLUDES SUBGRADE PREP)	89	EA.	\$2,200.00	\$195,800.00
	MIDBLOCK CURB RAMP (INCLUDES SUBGRADE PREP)	5	EA.	\$2,200.00	\$11,000.00
	CROSS PAN (INCLUDES SUBGRADE PREP)	650	S.Y.	\$103.50	\$67,275.00
	TRENCH DRAIN	10,306	L.F.	\$19.00	\$195,814.00
	MEDIAN COVER	600	S.Y.	\$90.00	\$54,000.00
	ADJUST MANHOLE	118	EA.	\$760.00	\$89,680.00
	ADJUST WATER VALVE	97	EA.	\$425.00	\$41,225.00
Total Cost					\$3,981,222.31

CONCRETE TRAILS

No.	Description	Quantity	Unit	Cost/Unit	Total Cost
	10' REGIONAL TRAIL	1,030	L.F.	\$45.00	\$46,350.00
	SIDEWALK SUBGRADE PREP (MIN1' OUTSIDE LIMITS)	1,370	S.Y.	\$9.80	\$13,426.00
Total Cost					\$59,776.00

STRIPING

Item	Description	Quantity	Unit	Cost/Unit	Total Cost
	LONG LINE EPOXY PVMT. MARKING	114	GAL	\$105.00	\$11,941.00
	CROSSWALK BAR	1,600	S.F.	\$8.00	\$12,800.00
	STOP BAR	0	S.F.	\$0.93	\$0.00
	ARROW	38	EA.	\$120.00	\$4,560.00
Total Cost					\$29,301.00



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SIGNAGE (INCLUDE POST AND ANCHOR)

Item	Description	Quantity	Unit	Cost/Unit	Total Cost
	STREET NAME SIGN	8	EA.	\$530.00	\$4,240.00
	GROUND SIGN	0	EA.	\$280.00	\$0.00
	TYPE III BARRICADE	0	EA.	\$2,500.00	\$0.00
	SPECIAL SIGN	16	EA.	\$280.00	\$4,480.00
Total Cost					\$8,720.00

DRAINAGE AND STORMWATER IMPROVMENTS

Item	Description	Quantity	Unit	Cost/Unit	Total Cost
	18" RCP	3,643	L.F.	\$64.00	\$233,152.00
	24" RCP	2,439	L.F.	\$83.00	\$202,437.00
	30" RCP	499	L.F.	\$100.00	\$49,900.00
	36" RCP	2,458	L.F.	\$136.00	\$334,288.00
	42" RCP	479	L.F.	\$155.00	\$74,245.00
	48" RCP	72	L.F.	\$200.00	\$14,400.00
	6'X6' RCBC	367	L.F.	\$1,150.00	\$422,050.00
	HEADWALL (PER CDOT STANDARDS - INCLUDES HANDRAILS AND WINGWALLS)	3	EA.	\$10,000.00	\$30,000.00
	SCULPTED CONCRETE DROP STRUCTURE	6	EA.	\$127,000.00	\$762,000.00
	18" FES WITH CONCRETE CUTOFF WALL	0	EA.	\$2,200.00	\$0.00
	24" FES WITH CONCRETE CUTOFF WALL	2	EA.	\$2,400.00	\$4,800.00
	30" FES WITH CONCRETE CUTOFF WALL	0	EA.	\$2,650.00	\$0.00
	36" FES WITH CONCRETE CUTOFF WALL	3	EA.	\$3,000.00	\$9,000.00
	48" FES WITH CONCRETE CUTOFF WALL	1	EA.	\$3,400.00	\$3,400.00
	4' MANHOLE	25	EA.	\$2,500.00	\$62,500.00
	5' MANHOLE	26	EA.	\$3,070.00	\$79,820.00
	6' MANHOLE	6	EA.	\$4,380.00	\$26,280.00
	5' TYPE R INLET	0	EA.	\$9,000.00	\$0.00
	10' TYPE R INLET (SPECIFIC ON 10" INCREMENT)	15	EA.	\$10,700.00	\$160,500.00
	15' TYPE R INLET	17	EA.	\$11,000.00	\$187,000.00
	TYPE C INLET	5	EA.	\$7,500.00	\$37,500.00
	OUTLET STRUCTURE WITH MICROPOOL (POND A)	1	L.S.	\$100,000.00	\$100,000.00
	OUTLET STRUCTURE WITH MICROPOOL (POND B)	1	L.S.	\$50,000.00	\$50,000.00
	OUTLET STRUCTURE WITH MICROPOOL (POND D)	1	L.S.	\$50,000.00	\$50,000.00
	TRICKLE CHANNEL (4' STANDARD WIDTH WITH 6" VERTICAL CURBS)	1,593	L.F.	\$130.00	\$207,090.00
	FOREBAY	6	EA.	\$34,000.00	\$204,000.00
	ACCESS PATH	1	L.S.	\$50,000.00	\$50,000.00
	LEMON GULCH CHECK DAM	1	L.S.	\$20,000.00	\$20,000.00
	RIPRAP	370	C.Y.	\$150.00	\$55,500.00
Total Cost					\$3,429,862.00

PUBLIC IMPROVMENTS (TOWN) SUBTOTAL \$10,331,581.31

CONSTRUCTION CONTINGENCY (10%) \$1,033,158.13
 MOBILIZATION (5%) \$516,579.07
 SURVEYING (3%) \$309,947.44
 CONSTRUCTION MANAGEMENT & TESTING (12%) \$1,239,789.76

PUBLIC IMPROVEMENT TOTAL \$13,431,055.70

SECURITY AT 110% = \$14,774,161.27