



CVL Consultants of Colorado, Inc.
 10333 E. Dry Creek Rd
 Suite 240
 Englewood, Colorado 80112
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**ENGINEERS PUBLIC IMPROVEMENT COST ESTIMATE
 TRAILS AT CROWFOOT FILING 1
 8/3/2018**

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)	9,887	L.F.	\$22.00	\$217,514.00
	6" VERTICAL CURB & GUTTER (1' PAN)	9,724	L.F.	\$22.00	\$213,928.00
	4" MOUNTABLE CURB & GUTTER	15,532	L.F.	\$24.00	\$372,768.00
	HOT MIX ASPHALT PAVEMENT (5' DEPTH)	53,165	S.Y.	\$23.50	\$1,249,367.06
	CONCRETE PAVEMENT	1,927	S.Y.	\$90.00	\$173,460.00
	AGGRIGATE BASE COURSE	12,666	C.Y.	\$40.50	\$512,970.00
	SUBGRADE STABILIZATION	75,996	S.Y.	\$2.10	\$159,590.67
	ROADWAY SUBGRADE PREP (EXTEND 2' OUTSIDE CURB)	75,996	S.Y.	\$1.25	\$94,994.44
	COLORED CONCRETE CROSSWALK	500	S.Y.	\$160.00	\$80,000.00
	5' DETACHED CONCRETE SIDEWALK	23,492	L.F.	\$27.00	\$634,284.00
	8' SIDEWALK	4,167	L.F.	\$45.50	\$189,598.50
	SIDEWALK SUBGRADE PREP (MIN 1' OUTSIDE LIMITS)	22,902	S.Y.	\$1.25	\$28,626.94
	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	11,220	L.F.	\$19.00	\$213,180.00
	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					\$4,599,261.61

CONCRETE TRAILS

No.	Description	Quantity	Unit	Cost/Unit	Total Cost
	10' REGIONAL TRAIL	3,555	L.F.	\$45.00	\$159,975.00
	SIDEWALK SUBGRADE PREP (MIN1' OUTSIDE LIMITS)	1,370	S.Y.	\$9.80	\$13,426.00
Total Cost					\$173,401.00

STRIPING

Item	Description	Quantity	Unit	Cost/Unit	Total Cost
	LONG LINE EPOXY PVMT. MARKING	136	GAL	\$105.00	\$14,314.00
	CROSSWALK BAR	2,280	S.F.	\$8.00	\$18,240.00
	STOP BAR	0	S.F.	\$0.93	\$0.00
	ARROW	38	EA.	\$120.00	\$4,560.00
Total Cost					\$37,114.00



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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 (SPEED LIMIT, DEAD END, MISC SIGNS)	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	3,703	L.F.	\$64.00	\$236,992.00
	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
	12" NYLOPLAST YARD DRAIN	2	EA.	\$100.00	\$200.00
	12" PVC	108	L.F.	\$60.00	\$6,480.00
Total Cost					\$3,440,382.00

PUBLIC IMPROVMENTS (TOWN) SUBTOTAL \$11,081,578.61

CONSTRUCTION CONTINGENCY (10%) \$1,108,157.86
 MOBILIZATION (5%) \$554,078.93
 SURVEYING (3%) \$332,447.36
 CONSTRUCTION MANAGEMENT & TESTING (12%) \$1,329,789.43

PUBLIC IMPROVEMENT TOTAL \$14,406,052.19

SECURITY AT 110% = \$15,846,657.41