



CVL Consultants of Colorado, Inc.  
 10333 E. Dry Creek Rd  
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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
	GRADE SWALE FROM PARK TO POND C	1	L.S.	\$20,000.00	\$20,000.00
	IMPORT/EXPORT	0	C.Y.	\$6.00	\$0.00
	TOP SOIL	104,400	C.Y.	\$1.75	\$182,700.00
				Total Cost	<b>\$2,842,700.00</b>

**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)	8,810	L.F.	\$22.00	\$193,820.00
	4" MOUNTABLE CURB & GUTTER	15,532	L.F.	\$24.00	\$372,768.00
	HOT MIX ASPHALT PAVEMENT (5" DEPTH)	49,581	S.Y.	\$23.50	\$1,165,163.94
	CONCRETE PAVEMENT	1,927	S.Y.	\$90.00	\$173,460.00
	AGGRIGATE BASE COURSE	11,975	C.Y.	\$40.50	\$484,981.50
	SUBGRADE STABILIZATION	71,849	S.Y.	\$2.10	\$150,883.13
	ROADWAY SUBGRADE PREP (EXTEND 2' OUTSIDE CURB)	71,849	S.Y.	\$1.25	\$89,811.39
	COLORED CONCRETE CROSSWALK	500	S.Y.	\$160.00	\$80,000.00
	5' DETACHED CONCRETE SIDEWALK	21,464	L.F.	\$27.00	\$579,528.00
	8' SIDEWALK	4,167	L.F.	\$45.50	\$189,598.50
	SIDEWALK SUBGRADE PREP (MIN 1' OUTSIDE LIMITS)	21,324	S.Y.	\$1.25	\$26,655.28
	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	<b>\$4,358,869.74</b>

**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 (MIN 1' OUTSIDE LIMITS)	1,370	S.Y.	\$9.80	\$13,426.00
				Total Cost	<b>\$173,401.00</b>

**STRIPING**

Item	Description	Quantity	Unit	Cost/Unit	Total Cost
	LONG LINE EPOXY PVMT. MARKING	133	GAL	\$105.00	\$13,930.00
	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	<b>\$36,730.00</b>



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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					<b>\$8,720.00</b>

**DRAINAGE AND STORMWATER IMPROVEMENTS**

Item	Description	Quantity	Unit	Cost/Unit	Total Cost
	18" RCP	3,703	L.F.	\$64.00	\$236,992.00
	24" RCP	2,465	L.F.	\$83.00	\$204,595.00
	30" RCP	533	L.F.	\$100.00	\$53,300.00
	36" RCP	2,958	L.F.	\$136.00	\$402,288.00
	42" RCP	563	L.F.	\$155.00	\$87,265.00
	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	4	EA.	\$3,000.00	\$12,000.00
	48" FES WITH CONCRETE CUTOFF WALL	2	EA.	\$3,400.00	\$6,800.00
	4' MANHOLE	25	EA.	\$2,500.00	\$62,500.00
	5' MANHOLE	33	EA.	\$3,070.00	\$101,310.00
	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)	18	EA.	\$10,700.00	\$192,600.00
	15' TYPE R INLET	18	EA.	\$11,000.00	\$198,000.00
	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					<b>\$3,597,950.00</b>

**PUBLIC IMPROVEMENTS (TOWN) SUBTOTAL      \$11,018,370.74**

CONSTRUCTION CONTINGENCY (10%)      \$1,101,837.07  
 MOBILIZATION (5%)      \$550,918.54  
 SURVEYING (3%)      \$330,551.12  
 CONSTRUCTION MANAGEMENT & TESTING (12%)      \$1,322,204.49

**PUBLIC IMPROVEMENT TOTAL      \$14,323,881.97**

**SECURITY AT 110% =      \$15,756,270.16**