



Engineer's Public Improvement Cost Estimate
Douglas 234, Filing No. 6
10/8/2020

Description	Quantity	Unit	Unit Cost	Total Cost
<u>Earthwork</u>				
Roadway Embankment	0	CY	N/A	\$0.00
				Earthwork Subtotal = \$0.00
<u>Roadway</u>				
6" Vertical Curb & Gutter (2' Pan)	389	LF	\$20.00	\$7,780.00
6" Vertical Curb & Gutter (1' Pan - Median)	105	LF	\$15.00	\$1,575.00
4" Mountable Curb & Gutter	0	LF	N/A	\$0.00
Hot Mix Asphalt Pavement (7" Depth)	420	SY	\$45.00	\$18,900.00
Concrete Pavement (XX" Depth)	0	SY	N/A	\$0.00
Aggregate Base Course (12" Depth)	420	SY	\$60.00	\$25,200.00
Subgrade Stabilization	635	SY	\$3.00	\$1,905.00
Roadway Subgrade Prep (Extend 2' Outside Curb)	635	SY	\$3.50	\$2,222.50
5' Detached Concrete Sidewalk	15	LF	\$30.00	\$450.00
8' Detached Concrete Sidewalk	324	LF	\$40.00	\$12,960.00
Sidewalk Subgrade Prep (Min 1' Outside Limits)	385	SY	\$3.00	\$1,155.00
Corner Curb Ramp (Includes Subgrade Prep)	3	EA	\$4,000.00	\$12,000.00
Midblock Curb Ramp (Includes Subgrade Prep)	1	EA	\$4,000.00	\$4,000.00
Cross Pan (Includes Subgrade Prep)	0	SY	N/A	\$0.00
Trench Drain	0	LF	N/A	\$0.00
Median Cover	0	SY	N/A	\$0.00
Adjust Manhole	0	EA	N/A	\$0.00
Demolition	1	LS	\$15,000.00	\$15,000.00
Adjust Water Valve	1	EA	\$380.00	\$380.00
				Roadway Subtotal = \$103,527.50
<u>Concrete Trails</u>				
10' Regional Trail	0	LF	N/A	\$0.00
Sidewalk Subgrade Prep (Min 1' Outside Limits)	0	SY	N/A	\$0.00
				Trail Subtotal = \$0.00
<u>Striping</u>				
Long Line Epoxy Pvmt. Marking	0	LF	N/A	\$0.00
Crosswalk Bar (2'x10')	500	SF	\$2.00	\$1,000.00
Yield Line	15	SF	\$2.00	\$30.00
8" Solid White	135	LF	\$11.00	\$1,485.00
4" Solid Double Yellow	1595	LF	\$2.00	\$3,190.00
Remove striping	1	LS	\$5,000.00	\$5,000.00
Arrow	2	EA	\$20.00	\$40.00
				Striping Subtotal = \$10,745.00
<u>Signage (Including Post and Anchor)</u>				
Street Name Sign	2	EA	\$160.00	\$320.00
Ground Sign	14	EA	\$250.00	\$5,000.00
Relocate Sign	5	EA	\$120.00	\$600.00
Replace Existing Sign	2	EA	\$160.00	\$320.00
Type III Barricade	0	EA	N/A	\$0.00

Remove signage	1	LS	\$2,000.00	\$2,000.00
Special Sign	0	EA	N/A	\$0.00
			Signage Subtotal =	<u>\$8,240.00</u>

Drainage & Stormwater Improvements

36" RCP		LF	\$140.00	\$0.00
30" RCP		LF	\$108.77	\$0.00
24" RCP		LF	\$90.00	\$0.00
18" RCP		LF	\$65.00	\$0.00
4' Manhole (Depth specific on 10' increment)		EA	\$3,800.00	\$0.00
5' Type R Inlet (Depth specific on 10' increment)		EA	\$5,800.00	\$0.00
10' Type R Inlet (Depth specific on 10' increment)		EA	\$9,800.00	\$0.00
Type C Inlet		EA	\$4,000.00	\$0.00
Type D Inlet		EA	\$6,500.00	\$0.00
			Drainage & Stormwater Subtotal =	<u>\$0.00</u>

Public Improvements Subtotal = \$122,512.50

Construction Contingency (10%) = \$12,251.25

Mobilization (5%) = \$6,125.63

Surveying (3%) = \$3,675.38

Construction Management & Testing (12%) = \$14,701.50

Public Improvements Total = \$159,266.25

Security At 110% = \$175,192.88

Notes:

1. All Costs Must Include Labor and Materials
2. Erosion and Sediment Control (CBMP) Cost Estimate shall be submitted with the Grading Permit