



Engineer's Public Improvement Cost Estimate

Douglas 234, Filing No. 6

9/14/2020

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	\$12.00	\$4,668.00
6" Vertical Curb & Gutter (1' Pan - Median)	105	LF	\$8.00	\$840.00
4" Mountable Curb & Gutter	0	LF	N/A	\$0.00
Hot Mix Asphalt Pavement (5" Depth)	420	SY	\$25.00	\$10,500.00
Concrete Pavement (XX" Depth)	0	SY	N/A	\$0.00
Aggregate Base Course (6" Depth)	420	SY	\$30.00	\$12,600.00
Subgrade Stabilization	635	SY	\$1.10	\$698.50
Roadway Subgrade Prep (Extend 2' Outside Curb)	635	SY	\$2.50	\$1,587.50
5' Detached Concrete Sidewalk	15	LF	\$26.00	\$390.00
8' Detached Concrete Sidewalk	324	LF	\$40.00	\$12,960.00
Sidewalk Subgrade Prep (Min 1' Outside Limits)	385	SY	\$2.50	\$962.50
Corner Curb Ramp (Includes Subgrade Prep)	3	EA	\$2,000.00	\$6,000.00
Midblock Curb Ramp (Includes Subgrade Prep)	1	EA	\$1,580.00	\$1,580.00
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
Adjust Water Valve	1	EA	\$360.00	\$360.00
Roadway Subtotal =				\$53,146.50
<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	\$1,000.00
Yield Line	15	SF	2	\$30.00
8" Solid White	135	LF	11	\$1,485.00
4" Solid Double Yellow	1710	LF	22	\$37,620.00
Arrow	2	EA	20	\$40.00
Striping Subtotal =				\$40,175.00
<u>Signage (Including Post and Anchor)</u>				
Street Name Sign	2	EA	\$160.00	\$320.00
Ground Sign	14	EA	\$250.00	\$3,500.00
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
Special Sign	0	EA	N/A	\$0.00
Signage Subtotal =				\$4,740.00

Drainage & Stormwater Improvements

36" RCP	370	LF	\$140.00	\$51,800.00
30" RCP	294	LF	\$108.77	\$31,978.38
24" RCP	567	LF	\$90.00	\$51,030.00
18" RCP	614	LF	\$65.00	\$39,910.00
4' Manhole (Depth specific on 10' increment)	2	EA	\$3,800.00	\$7,600.00
5' Type R Inlet (Depth specific on 10' increment)	2	EA	\$5,800.00	\$11,600.00
10' Type R Inlet (Depth specific on 10' increment)	1	EA	\$9,800.00	\$9,800.00
Type C Inlet	9	EA	\$4,000.00	\$36,000.00
Type D Inlet	3	EA	\$6,500.00	<u>\$19,500.00</u>

Drainage & Stormwater Subtotal = \$259,218.38

Public Improvements Subtotal = \$357,279.88

Construction Contingency (10%) = \$35,727.99

Mobilization (5%) = \$17,863.99

Surveying (3%) = \$10,718.40

Construction Management & Testing (12%) = \$42,873.59

Public Improvements Total = \$464,463.84

Security At 110% = \$510,910.23

Notes:

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