

2021 Financial Assurance Estimate Form
(with pre-plat construction)

City of Colorado Springs Assurance Estimate

Updated: 12/22/2020

PROJECT INFORMATION		
Marksheffel Rd -Vollmer to Sterling Ranch Rd	6/9/2021	CDR-20-005
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
SECTION 1 - GRADING AND EROSION CONTROL (Construction and Permanent BMPs)						
* Earthwork						
less than 1,000; \$5,300 min		CY	\$ 8.00	= \$ -		\$ -
1,000-5,000; \$8,000 min		CY	\$ 6.00	= \$ -		\$ -
5,001-20,000; \$30,000 min		CY	\$ 5.00	= \$ -		\$ -
20,001-50,000; \$100,000 min		CY	\$ 3.50	= \$ -		\$ -
50,001-200,000; \$175,000 min		CY	\$ 2.50	= \$ -		\$ -
greater than 200,000; \$500,000 min		CY	\$ 2.00	= \$ -		\$ -
* Permanent Seeding (inc. noxious weed mgmnt.)		AC	\$ 828.00	= \$ -		\$ -
* Mulching		AC	\$ 777.00	= \$ -		\$ -
* Permanent Erosion Control Blanket		SY	\$ 6.00	= \$ -		\$ -
* Permanent Pond/BMP Construction		CY	\$ 21.00	= \$ -		\$ -
* Permanent Pond/BMP (provide engineer's estimate)		EA		= \$ -		\$ -
		EA		= \$ -		\$ -
Safety Fence		LF	\$ 3.00	= \$ -		\$ -
Temporary Erosion Control Blanket		SY	\$ 3.00	= \$ -		\$ -
Vehicle Tracking Control		EA	\$ 2,453.00	= \$ -		\$ -
Silt Fence		LF	\$ 2.60	= \$ -		\$ -
Temporary Seeding		AC	\$ 650.00	= \$ -		\$ -
Temporary Mulch		AC	\$ 777.00	= \$ -		\$ -
Erosion Bales		EA	\$ 26.00	= \$ -		\$ -
Erosion Logs/Straw Waddle		LF	\$ 5.00	= \$ -		\$ -
Rock Check Dams		EA	\$ 518.00	= \$ -		\$ -
Inlet Protection		EA	\$ 173.00	= \$ -		\$ -
Sediment Basin		EA	\$ 1,824.00	= \$ -		\$ -
Concrete Washout Basin		EA	\$ 932.00	= \$ -		\$ -
Temp. Sediment Basin		EA	\$ 8,000.00	= \$ -		\$ -
<i>insert items not listed but part of construction plans!</i>				= \$ -		\$ -
MAINTENANCE (35% of Construction BMPs)				= \$ -		\$ -
* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)						
Section 1 Subtotal				= \$ -		\$ -

SECTION 2 - PUBLIC IMPROVEMENTS *						
ROADWAY IMPROVEMENTS						
Construction Traffic Control	1	LS	\$ 8,000.00	= \$ 8,000.00		\$ 8,000.00
Aggregate Base Course (135 lbs/cf)	2,041	Tons	\$ 29.00	= \$ 59,189.00		\$ 59,189.00
Aggregate Base Course (135 lbs/cf)		CY	\$ 52.00	= \$ -		\$ -
Asphalt Pavement (3" thick)		SY	\$ 14.50	= \$ -		\$ -
Asphalt Pavement (4" thick)		SY	\$ 20.00	= \$ -		\$ -
Asphalt Pavement (6" thick)	9,063	SY	\$ 30.00	= \$ 271,890.00		\$ 271,890.00
Asphalt Pavement (147 lbs/cf) <u> </u> " thick		Tons	\$ 91.00	= \$ -		\$ -
Raised Median, Paved		SF	\$ 8.30	= \$ -		\$ -
Regulatory Sign/Advisory Sign	6	EA	\$ 311.00	= \$ 1,866.00		\$ 1,866.00
Guide/Street Name Sign	2	EA	\$ 200.00	= \$ 400.00		\$ 400.00
Epoxy Pavement Marking		SF	\$ 14.00	= \$ -		\$ -
Thermoplastic Pavement Marking		SF	\$ 24.00	= \$ -		\$ -
Barricade - Type 3	3	EA	\$ 207.00	= \$ 621.00		\$ 621.00
Delineator - Type I		EA	\$ 25.00	= \$ -		\$ -
Curb and Gutter, Type A (6" Vertical)	2,820	LF	\$ 31.00	= \$ 87,420.00		\$ 87,420.00
Curb and Gutter, Type B (Median)		LF	\$ 31.00	= \$ -		\$ -
Curb and Gutter, Type C (Ramp)		LF	\$ 31.00	= \$ -		\$ -
4" Sidewalk (common areas only)		SY	\$ 50.00	= \$ -		\$ -
5" Sidewalk		SY	\$ 62.00	= \$ -		\$ -
6" Sidewalk	940	SY	\$ 75.00	= \$ 70,500.00		\$ 70,500.00
8" Sidewalk (10ft sidewalk)	1,567	SY	\$ 99.00	= \$ 155,133.00		\$ 155,133.00
Pedestrian Ramp	4	EA	\$ 1,190.00	= \$ 4,760.00		\$ 4,760.00
Cross Pan, local (8" thick, 6' wide to include return)		LF	\$ 63.00	= \$ -		\$ -
Cross Pan, collector (9" thick, 8' wide to include return)	156	LF	\$ 95.00	= \$ 14,820.00		\$ 14,820.00
Curb Chase		EA	\$ 1,532.00	= \$ -		\$ -
Guardrail Type 3 (W-Beam)		LF	\$ 51.00	= \$ -		\$ -
Guardrail Type 7 (Concrete)		LF	\$ 75.00	= \$ -		\$ -
Guardrail End Anchorage		EA	\$ 2,172.00	= \$ -		\$ -
Guardrail Impact Attenuator		EA	\$ 3,899.00	= \$ -		\$ -
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 81.00	= \$ -		\$ -
Sound Barrier Fence (panels, 6' high)		LF	\$ 83.00	= \$ -		\$ -
Electrical Conduit, Size =		LF	\$ 17.00	= \$ -		\$ -
Traffic Signal, complete intersection		EA	\$ 439,875	= \$ -		\$ -

PROJECT INFORMATION

Marksheffel Rd -Vollmer to Sterling Ranch Rd

6/9/2021

CDR-20-005

Project Name

Date

PCD File No.

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
[insert items not listed but part of construction plans]						
STORM DRAIN IMPROVEMENTS						
Concrete Box Culvert (M Standard), Size (W x H)		LF		\$ -		\$ -
18" Reinforced Concrete Pipe		LF	\$ 67.00	\$ -		\$ -
24" Reinforced Concrete Pipe		LF	\$ 81.00	\$ -		\$ -
30" Reinforced Concrete Pipe		LF	\$ 100.00	\$ -		\$ -
36" Reinforced Concrete Pipe		LF	\$ 124.00	\$ -		\$ -
42" Reinforced Concrete Pipe		LF	\$ 166.00	\$ -		\$ -
48" Reinforced Concrete Pipe		LF	\$ 202.00	\$ -		\$ -
54" Reinforced Concrete Pipe		LF	\$ 254.00	\$ -		\$ -
60" Reinforced Concrete Pipe		LF	\$ 298.00	\$ -		\$ -
66" Reinforced Concrete Pipe		LF	\$ 344.00	\$ -		\$ -
72" Reinforced Concrete Pipe		LF	\$ 393.00	\$ -		\$ -
18" Corrugated Steel Pipe		LF	\$ 87.00	\$ -		\$ -
24" Corrugated Steel Pipe		LF	\$ 99.00	\$ -		\$ -
30" Corrugated Steel Pipe		LF	\$ 126.00	\$ -		\$ -
36" Corrugated Steel Pipe		LF	\$ 152.00	\$ -		\$ -
42" Corrugated Steel Pipe		LF	\$ 174.00	\$ -		\$ -
48" Corrugated Steel Pipe		LF	\$ 184.00	\$ -		\$ -
54" Corrugated Steel Pipe		LF	\$ 269.00	\$ -		\$ -
60" Corrugated Steel Pipe		LF	\$ 290.00	\$ -		\$ -
66" Corrugated Steel Pipe		LF	\$ 352.00	\$ -		\$ -
72" Corrugated Steel Pipe		LF	\$ 414.00	\$ -		\$ -
78" Corrugated Steel Pipe		LF	\$ 478.00	\$ -		\$ -
84" Corrugated Steel Pipe		LF	\$ 569.00	\$ -		\$ -
Flared End Section (FES) RCP Size = <small>(unit cost = 6x pipe unit cost)</small>		EA		\$ -		\$ -
Flared End Section (FES) CSP Size = <small>(unit cost = 6x pipe unit cost)</small>		EA		\$ -		\$ -
End Treatment- Headwall		EA		\$ -		\$ -
End Treatment- Wingwall		EA		\$ -		\$ -
End Treatment - Cutoff Wall		EA		\$ -		\$ -
Curb Inlet (Type R) L=5', Depth < 5'		EA	\$ 5,736.00	\$ -		\$ -
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 7,440.00	\$ -		\$ -
Curb Inlet (Type R) L =5', 10' ≤ Depth < 15'		EA	\$ 8,637.00	\$ -		\$ -
Curb Inlet (Type R) L =10', Depth < 5'		EA	\$ 7,894.00	\$ -		\$ -
Curb Inlet (Type R) L =10', 5' ≤ Depth < 10'		EA	\$ 8,136.00	\$ -		\$ -
Curb Inlet (Type R) L =10', 10' ≤ Depth < 15'		EA	\$ 10,185.00	\$ -		\$ -
Curb Inlet (Type R) L =15', Depth < 5'		EA	\$ 10,265.00	\$ -		\$ -
Curb Inlet (Type R) L =15', 5' ≤ Depth < 10'		EA	\$ 11,005.00	\$ -		\$ -
Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'		EA	\$ 12,034.00	\$ -		\$ -
Curb Inlet (Type R) L =20', Depth < 5'		EA	\$ 10,940.00	\$ -		\$ -
Curb Inlet (Type R) L =20', 5' ≤ Depth < 10'		EA	\$ 12,075.00	\$ -		\$ -
Grated Inlet (Type C), Depth < 5'		EA	\$ 4,802.00	\$ -		\$ -
Grated Inlet (Type D), Depth < 5'		EA	\$ 5,932.00	\$ -		\$ -
Storm Sewer Manhole, Box Base		EA	\$ 12,034.00	\$ -		\$ -
Storm Sewer Manhole, Slab Base		EA	\$ 6,619.00	\$ -		\$ -
Geotextile (Erosion Control)		SY	\$ 6.20	\$ -		\$ -
Rip Rap, d50 size from 6" to 24"		Tons	\$ 83.00	\$ -		\$ -
Rip Rap, Grouted		Tons	\$ 96.00	\$ -		\$ -
Drainage Channel Construction, Size (W x H)		LF		\$ -		\$ -
Drainage Channel Lining, Concrete		CY	\$ 590.00	\$ -		\$ -
Drainage Channel Lining, Rip Rap		CY	\$ 116.00	\$ -		\$ -
Drainage Channel Lining, Grass		AC	\$ 1,520.00	\$ -		\$ -
Drainage Channel Lining, Other Stabilization				\$ -		\$ -
[insert items not listed but part of construction plans]						
				Section 2 Subtotal	= \$ 674,599.00	\$ 674,599.00

* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)

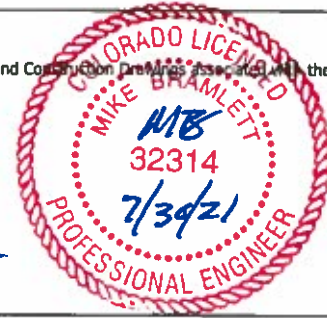
PROJECT INFORMATION

Marksheffel Rd -Volmer to Sterling Ranch Rd	6/9/2021	CDR-20-005
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)		LS	\$ 10,000.00	= \$ 10,000.00		\$ 10,000.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS		= \$ -		\$ -
Total Construction Financial Assurance					\$	684,599.00
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)					\$	684,599.00
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance					\$	134,919.80
(20% of all items identified as (*). To be collateralized at time of preliminary acceptance)						

Approvals

I hereby certify that this is an accurate and complete estimate of costs for the work as shown on the Grading and Erosion Control Plan and Construction Drawings associated with the Project.



Mike Bramlett

 Engineer (P.E. Seal Required)

Jim Wiley

 Approved by Owner / Applicant

7/30/2021

 Date

Approved by El Paso County Engineer / ECM Administrator

 Date