



STATE OF
COLORADO

Simmons - DNR, Leigh <leigh.simmons@state.co.us>

C1980007, West Elk Mine, MR-471, Initial Adequacy Review

Simmons - DNR, Leigh <leigh.simmons@state.co.us>

Tue, Nov 22, 2022 at 12:45 PM

To: "Poulos, Nicki" <npoulos@archrsc.com>

Nicki,

The Reclamation Cost Estimate for MR-471 is attached.

I used a standardized task for the fence removal and estimated that it would take three worker-days. I used the same revegetation details as are used for GVB pads and roads, with an area of 0.29 acres (1260 ft x 10 ft) since this will be the maximum disturbance, based on the worst case scenario described in your response to the adequacy letter.

The total increase to the required surety, including indirect costs, is \$5,364

Please let me know if you have any questions or objections. If not, I will move ahead with the approval.

Leigh Simmons
Environmental Protection Specialist



COLORADO
Division of Reclamation,
Mining and Safety
Department of Natural Resources

P 303.866.3567 x 8121 | C 720.220.1180 | F 303.832.8106
1313 Sherman Street, Room 215, Denver, CO 80203
leigh.simmons@state.co.us | <https://drms.colorado.gov>

[Quoted text hidden]



MR-471_CostEstimate.pdf
252K

COST SUMMARY WORK

Task description: Deer Creek fence

Site: West Elk Mine

Permit Action: MR-471

Permit/Job#: C1980007

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 11/22/2022

County: Delta

Filename: C007-000

User: LDS

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Remove 1260 ft of 9ft high fence	DEMOLISH	1	24.00	\$3,485
002	Deer Creek fence: broadcast PRD mt shrub seed mix	REVEGE	1	0.29	\$452
<u>SUBTOTALS:</u>				24.29	\$3,937

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$80

Performance bond: 1.05

Total = \$41

Job superintendent: 12.15

Total = \$912

Profit: 10.00

Total = \$394

TOTAL O & P = \$1,427

CONTRACT AMOUNT (direct + O & P) = \$5,364

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$0

Total = \$0

Engineering work and/or contract/bid preparation: 0.00

Total = \$0

Reclamation management and/or administration: 0.00

\$0

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$1,427

TOTAL BOND AMOUNT (direct + indirect) = \$5,364

DEMOLITION WORK

Task description: Remove 1260 ft of 9ft high fence

Site: West Elk Mine

Permit Action: MR-471

Permit/Job#: C1980007

PROJECT IDENTIFICATION

Task #: 001

State: Colorado

Abbreviation: None

Date: 11/22/2022

County: Delta

Filename: C007-001

User: LDS

Agency or organization name: DRMS

UNIT COSTS

Location adjustment: 89.80 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Remove fence	1260 ft x 9 ft	Fencing, chain link, including posts and fabric - 8 ft. to 10 ft. high	1,260.00	LF	\$3.08	\$3,880.80

Job Hours: 24.00

Subtotal
(unadjusted): \$3,880.80

Total Cost
(adjusted for location): \$3,484.96

REVEGETATION WORKTask description: Deer Creek fence: broadcast PRD mt shrb seed mixSite: West Elk MinePermit Action: MR-471Permit/Job#: C1980007**PROJECT IDENTIFICATION**Task #: 002State: ColoradoAbbreviation: NoneDate: 11/22/2022County: GunnisonFilename: C007-002User: LDSAgency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
			Total Fertilizer Materials Cost/Acre	\$0.00

Application

Description	Cost /Acre
	\$
Total Fertilizer Application Cost/Acre	\$0.00

TILLING

Description	Cost /Acre
	\$
Total Tilling Cost/Acre	\$0.00

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	3.00	9.71	\$19.50
Mountain Brome - Bromar	4.00	6.43	\$15.20
Sandberg Bluegrass - VNS	3.00	63.71	\$25.20
Lupine, Silver	1.00	0.59	\$69.98
Western Wheatgrass - Arriba	4.00	10.10	\$26.00
Prairie Junegrass	3.00	159.46	\$78.00
Penstemon, Rocky Mountain	0.50	7.84	\$14.75
Bluebunch Wheatgrass - Goldar	3.00	9.64	\$13.80
Golden Banner	1.00	2.00	\$83.00

Totals Seed Mix	22.50	269.47	\$345.43
------------------------	-------	--------	-----------------

Application

Description	Cost /Acre
Broadcast seeding [DMG]	\$267.22
Total Seed Application Cost/Acre	\$267.22

MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$3.04	\$3.04
Straw, delivered {MEANS 31 25 14.16 1200}	1.00	TON	\$421.36	\$421.36
Total Mulch Materials Cost/Acre				\$424.40

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$73.00
Power mulcher (MEANS 32 91 13.16 0350)	\$141.57
Weed spray, hand, non-aquatic area, nox. [DMG]	\$183.16
Total Mulch Application Cost/Acre	\$397.73

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
Totals Nursery Stock Cost / Acre					\$0.00

JOB TIME AND COST

No. of Acres:	0.29	Cost /Acre:	\$1,434.78
Estimated Failure Rate:	20%	Cost /Acre*:	\$612.65
*Selected Replanting Work Items:	SEEDING		
Initial Job Cost:	\$416.09		
Reseeding Job Cost:	\$35.53		
Total Job Cost:	\$452		
Job Hours:	0.29		