



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

August 12, 2020

Mr. Nick Simpson  
Premier Moss Rock, LLC  
5120 Windsor Ave  
Enida, MN 55436

**RE: Financial Warranty Cost Estimates, TR-01, Colorado Moss Rock (M2011-039)**

Dear Mr. Simpson,

On August 4, 2020 the Division received an application for Technical Revision (TR-01) to revise the reclamation plan for the Colorado Moss Rock mine (M2011-039). As part of TR-01 the financial warranty for the mine was calculated.

A copy of the mine's estimate is attached for your review. The Division will allow 14 days to review and comment on the bond estimate prior to issuing a surety increase notice for the Colorado Moss Rock mine. Once the surety increase is issued by the Division, the Operator will have 60 days to provide the additional financial warranty.

If you need additional information or have any questions, please contact me at Division of Reclamation, Mining and Safety, 1313 Sherman Street, Room 215, Denver, CO 80203, by telephone at **303-866-3567 x8114**, or by email at [patrick.lennberg@state.co.us](mailto:patrick.lennberg@state.co.us).

Sincerely,

Patrick Lennberg  
Environmental Protection Specialist

cc: Jared Ebert, DRMS

ec: Nick Simpson, Premier Moss Rock, LLC, [njsimpson01@gmail.com](mailto:njsimpson01@gmail.com)



## COST SUMMARY WORK

Task description: Cost Summary

Site: Colorado Moss Rock

Permit Action: TR-01

Permit/Job#: M2011039

### PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 8/6/2020

County: Pueblo

Filename: M039-000

User: JPL

Agency or organization name: DRMS

### TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Seed Bed Preparation Hand Raking	REVEGE	1	8.00	\$1,605
002	Revegetation of 5 Acres Using Machines	REVEGE	1	8.00	\$7,953
003	Mob/Demob	MOBILIZE	1	1.42	\$72
<b><u>SUBTOTALS:</u></b>				<b>17.42</b>	<b>\$9,630</b>

### INDIRECT COSTS

#### OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$195

Performance bond: 1.05

Total = \$101

Job superintendent: 8.71

Total = \$606

Profit: 10.00

Total = \$963

TOTAL O & P = \$1,864

CONTRACT AMOUNT (direct + O & P) = \$11,494

#### LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$500

Total = \$500

Engineering work and/or contract/bid preparation: 4.25

Total = \$489

Reclamation management and/or administration: 5.00

\$575

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$3,428

**TOTAL BOND AMOUNT (direct + indirect) = \$13,058**

**REVEGETATION WORK**Task description: Seed Bed Preparation Hand RakingSite: Colorado Moss RockPermit Action: TR-01Permit/Job#: M2011039**PROJECT IDENTIFICATION**Task #: 001State: ColoradoAbbreviation: NoneDate: 8/6/2020County: PuebloFilename: 001User: JPLAgency or organization name: DRMS**FERTILIZING****Materials**

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

**Application**

Description	Cost /Acre
	\$
<b>Total Fertilizer Application Cost/Acre</b>	<b>\$0.00</b>

**TILLING**

Description	Cost /Acre
Hand raking (MEANS 32 91 13.23 0250)	\$1,459.26
<b>Total Tilling Cost/Acre</b>	<b>\$1,459.26</b>

**SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
			\$
<b>Totals Seed Mix</b>	0.00	0.00	<b>\$0.00</b>

**Application**

Description	Cost /Acre
	\$

<b>Total Seed Application Cost/Acre</b>	<b>\$0.00</b>
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**MULCHING and MISCELLANEOUS****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
<b>Total Mulch Materials Cost/Acre</b>				<b>\$0.00</b>

**Application**

Description	Cost /Acre
	\$
<b>Total Mulch Application Cost/Acre</b>	<b>\$0.00</b>

**NURSERY STOCK PLANTING**

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

**JOB TIME AND COST**

No. of Acres: <u>1</u>	Cost /Acre: <u>\$1,459.26</u>
Estimated Failure Rate: <u>10%</u>	Cost /Acre*: <u>\$1,459.26</u>
*Selected Replanting Work Items: <u>TILLING</u>	
Initial Job Cost: <u><b>\$1,459.26</b></u>	
Reseeding Job Cost: <u><b>\$145.93</b></u>	
Total Job Cost: <u><b>\$1,605</b></u>	
Job Hours: <u><b>8.00</b></u>	

**REVEGETATION WORK**Task description: **Revegetation of 5 Acres Using Machines**Site: **Colorado Moss Rock**Permit Action: **TR-01**Permit/Job#: **M2011039****PROJECT IDENTIFICATION**Task #: **002**State: **Colorado**Abbreviation: **None**Date: **8/6/2020**County: **Pueblo**Filename: **002**User: **JPL**Agency or organization name: **DRMS****FERTILIZING****Materials**

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

**Application**

Description	Cost /Acre
	\$
<b>Total Fertilizer Application Cost/Acre</b>	<b>\$0.00</b>

**TILLING**

Description	Cost /Acre
Weed control spraying (MEANS 31 31 16.13 3100)	\$193.60
<b>Total Tilling Cost/Acre</b>	<b>\$193.60</b>

**SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Canada Wildrye	10.00	26.40	\$108.40
Nodding Brome	10.00	24.91	\$85.00
White Clover - New Zealand	4.00	78.05	\$15.70
Streambank Wheatgrass - Sodar	11.00	35.86	\$62.70
Prairie Junegrass	1.00	53.15	\$26.00
Canada Bluegrass - Reubens	1.00	57.39	\$6.50
<b>Totals Seed Mix</b>	<b>37.00</b>	<b>275.77</b>	<b>\$304.30</b>

**Application**

Description	Cost /Acre
Hydro seeding (MEANS 32 92 19.14 0200)	\$965.73
<b>Total Seed Application Cost/Acre</b>	<b>\$965.73</b>

**MULCHING and MISCELLANEOUS****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
<b>Total Mulch Materials Cost/Acre</b>				<b>\$0.00</b>

**Application**

Description	Cost /Acre
	\$
<b>Total Mulch Application Cost/Acre</b>	<b>\$0.00</b>

**NURSERY STOCK PLANTING**

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

**JOB TIME AND COST**

No. of Acres: 5  
 Estimated Failure Rate: 10%  
 \*Selected Replanting Work Items: SEEDING

Cost /Acre: \$1,463.63  
 Cost /Acre\*: \$1,270.03

Initial Job Cost: **\$7,318.15**  
 Reseeding Job Cost: **\$635.02**  
 Total Job Cost: **\$7,953**  
 Job Hours: **8.00**

**EQUIPMENT MOBILIZATION/DEMOBILIZATION**Task description: **Mob/Demob**Site: **Colorado Moss Rock**Permit Action: TR-01Permit/Job#: M2011039**PROJECT IDENTIFICATION**Task #: 003State: ColoradoAbbreviation: NoneDate: 8/6/2020County: PuebloFilename: 003User: JPLAgency or organization name: DRMS**EQUIPMENT TRANSPORT RIG COST**Shift basis: 1 per dayCost Data Source: CRG DataTruck Tractor Description: GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWERED,  
400 HP (2ND HALF, 2006)Truck Trailer Description: GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT  
TRAILER (25T, 50T, AND 100T)**Cost Breakdown:**

<b>Available Rig Capacities</b>	<b>0-25 Tons</b>	<b>26-50 Tons</b>	<b>51+ Tons</b>
Ownership Cost/Hour:	\$17.20	\$29.63	\$38.69
Operating Cost/Hour:	\$26.56	\$47.02	\$55.69
Operator Cost/Hour:	\$23.63	\$23.63	\$23.63
Helper Cost/Hour:	\$0.00	\$23.53	\$23.53
Total Unit Cost/Hour:	\$67.39	\$123.81	\$141.54

**NON ROADABLE EQUIPMENT:**

Machine Description	Weight/ Unit (TONS)	Owner ship Cost/hr/ unit	Haul Rig Cost/hr/unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Subtotals:					<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>

**ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Hydroseeder with Tractor	\$25.43	2	\$50.86	\$50.86
Subtotals:			<b>\$50.86</b>	<b>\$50.86</b>

**EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region:	<u>PUEBLO</u>	
Total one-way travel distance:	<u>32.00</u>	miles
Average Travel Speed:	<u>45.00</u>	mph

Total Non-Roadable Mob/Demob Cost *	<u>\$0.00</u>
** two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	<u>\$72.33</u>
** one round trip, no haul rig:	

**Transportation Cycle Time:**

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	<u>0.71</u>	<u>0.71</u>
Return Time (Hours):	<u>0.71</u>	<u>0.71</u>
Loading Time (Hours):	<u>0.00</u>	<u>NA</u>
Unloading Time (Hours):	<u>0.00</u>	<u>NA</u>
Subtotals:	<u>1.42</u>	<u>1.42</u>

**JOB TIME AND COST**

Total job time:	<u>1.42</u>	Hours
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Total job cost:	<u>\$72</u>
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