



January 14, 2025

Mr. Matthew Mueller
Siloam Stone, Inc.
315 N. 7th St.
Canon City, CO 81212

RE: Bedrock Mine #1, File No. M-1997-086, Problem Cited for Inadequate Financial Warranty

On December 5, 2024, the Bedrock Mine #1 was inspected by the Division of Reclamation, Mining and Safety (Division) and a recalculation of the required financial warranty was performed as part of the inspection. The current financial warranty held by the Division is \$108,619.00. Based on the Division's recalculation, the required financial warranty for completing reclamation at the site in accordance with the approved reclamation plan is estimated to be \$164,504.00 (see enclosed reclamation cost estimate). This is considered a problem with required corrective actions, as described below.

INSPECTION TOPIC: Financial Warranty

PROBLEM: The financial warranty is not adequate to reclaim the site in accordance with the approved reclamation plan. This is a failure to maintain the proper financial warranty amount to complete reclamation of the affected lands pursuant to C.R.S. 34-32.5-117(4)(b) and Rule 4.2.1(1).

CORRECTIVE ACTIONS: The operator shall review the enclosed bond estimate and provide any comments or proof of reclamation completed by the corrective action deadline. Alternatively, the operator may submit a Technical Revision with the associated \$216 fee to revise the reclamation plan (e.g., reduce topsoil replacement depth) and include an updated bond estimate for all remaining reclamation at the site. In this case, the Division will reassess the required financial warranty through its review of the revision. If, by the corrective action deadline, no comments or a Technical Revision have been received, the Division will send a separate surety increase notice to the operator regarding the increase of the financial warranty. The operator will have 60 days from the date on the surety increase notice to post the additional financial warranty.

CORRECTIVE ACTION DUE DATE: February 13, 2025

Please note, for the Division to consider any comments provided by the operator in its reassessment of the reclamation cost estimate, they should include a description of specific reclamation tasks that have been completed, with these areas identified on a map(s). Any maps provided should include detailed information about the approximate location and acreage of each area where specific reclamation tasks have been completed, approximate volumes of existing overburden and/or topsoil stockpiles, locations and descriptions of the remaining reclamation work, and any other information that would be helpful in calculating the reclamation cost estimate.



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While the corrective action due date is February 13, 2025, the required items should be submitted to the Division with enough time for review to determine their adequacy in fulfilling the required action.

Please contact me with any questions or concerns about this letter by email at Jocelyn.carter@state.co.us or by phone at (720) 666-1065.

Sincerely,



Jocelyn Carter
Environmental Protection Specialist

Enclosure: Division's Reclamation Cost Estimate

Cc: Amy Eschberger, DRMS

COST SUMMARY WORK

Task description: Cost Summary

Site: Bedrock Mine #1

Permit Action: 2024 UPDATE

Permit/Job#: M1997086

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 1/2/2025

County: Pueblo

Filename: M086-000

User: JLC

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Grade Highwall to 3H:1V Slope	DOZER	1	3.10	\$694
002	Backfill Slab Stone Pit Areas	DOZER	1	7.18	\$1,587
003	Spread TS 1' on 29 acres	LOADER	1	132.20	\$24,645
004a	Rip 36 acres of TSSA and Stone Yard	GRADER	1	29.02	\$4,617
005	Spread and Shape TS 29.4 acres	GRADER	1	22.64	\$4,405
006	Revegetation of 29.4 acres related to mining areas	REVEGE	1	15.00	\$54,501
006a	Revegetation of 36.2 acres TSSA, Stone Yard and misc	REVEGE	1	18.00	\$28,339
006b	Weed Control 5.7 acres	REVEGE	1	0.00	\$1,931
007	Mob/Demob	MOBILIZE	1	3.85	\$4,748
<u>SUBTOTALS:</u>				230.99	\$125,467

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$2,534

Performance bond: 1.05

Total = \$1,317

Job superintendent: 104.10

Total = \$8,252

Profit: 10.00

Total = \$12,547

TOTAL O & P = \$24,651

CONTRACT AMOUNT (direct + O & P) = \$150,118

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

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

Total = \$500

Engineering work and/or contract/bid preparation: 4.25

Total = \$6,380

Reclamation management and/or administration: 5.00

\$7,506

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$39,036

TOTAL BOND AMOUNT (direct + indirect) = \$164,503

BULLDOZER WORKTask description: **Grade Highwall to 3H:1V Slope**Site: **Bedrock Mine #1**Permit Action: **2024 UPDATE**Permit/Job#: **M1997086****PROJECT IDENTIFICATION**Task #: **001**State: **Colorado**Abbreviation: **None**Date: **1/2/2025**County: **Pueblo**Filename: **001**User: **JLC**Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Basic Machine: **Cat D7R DS XR Series II**Horsepower: **240**Blade Type: **Semi-Universal**Attachment: **3-shank ripper**Shift Basis: **1 per day**Data Source: **(CRG)****Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$90.24	NA
Operating Cost/Hour:	\$78.95	100
Ripper own. Cost/Hour:	\$9.25	NA
Ripper op. Cost/Hour:	\$5.20	100
Operator Cost/Hour:	\$40.04	NA

Total unit Cost/Hour: **\$223.68**Total Fleet Cost/Hour: **\$223.68****MATERIAL QUANTITIES**Initial Volume: **1,500**Swell factor: **1.215**Loose volume: **1,823 LCY**Source of estimated volume: **DRMS Calculation**Source of estimated swell factor: **Cat Handbook****HOURLY PRODUCTION**Average push distance: **50 feet**Unadjusted hourly production: **1,022.9 LCY/hr**Materials consistency description: **Compacted fill or embankment 0.9**Average push gradient: **-10 %**Average site altitude: **5,800 feet**Material weight: **3,300 lbs/LCY**Weight description: **Decomposed rock - 75% Rock, 25% Earth****Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	0.900	(CAT HB))
Dozing method:	1.200	(SLOT)
Visibility:	1.000	(AVG.)

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	1.000	(DOZ-OC)
Push gradient:	1.225	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.697	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.5740

Adjusted unit production: 587.14 LCY/hr

Adjusted fleet production: **587.14** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.381/LCY

Total job time: **3.10** Hours

Total job cost: **\$694**

BULLDOZER WORKTask description: **Backfill Slab Stone Pit Areas**Site: **Bedrock Mine #1**Permit Action: **2024 UPDATE**Permit/Job#: **M1997086****PROJECT IDENTIFICATION**Task #: **002**State: **Colorado**Abbreviation: **None**Date: **1/2/2025**County: **Pueblo**Filename: **M086-002**User: **JLC**Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Basic Machine: **Cat D7R DS XR Series II**Horsepower: **240**Blade Type: **Semi-Universal**Attachment: **3-shank ripper**Shift Basis: **1 per day**Data Source: **(CRG)****Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$90.24	NA
Operating Cost/Hour:	\$78.95	100
Ripper own. Cost/Hour:	\$9.25	NA
Ripper op. Cost/Hour:	\$2.60	50
Operator Cost/Hour:	\$40.04	NA

Total unit Cost/Hour: **\$221.08**Total Fleet Cost/Hour: **\$221.08****MATERIAL QUANTITIES**Initial Volume: **4,000**Swell factor: **1.000**Loose volume: **4,000 LCY**Source of estimated volume: **TR2 Volume Estimate and DRMS Site Visit**Source of estimated swell factor: **Cat Handbook****HOURLY PRODUCTION**Average push distance: **50 feet**Unadjusted hourly production: **1,022.9 LCY/hr**Materials consistency description: **Consolidated stockpile 1.0**Average push gradient: **-5 %**Average site altitude: **5,800 feet**Material weight: **2,900 lbs/LCY**Weight description: **Decomposed rock - 50% Rock, 50% Earth****Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	1.000	(CAT HB)
Dozing method:	1.100	(50% SL)
Visibility:	1.000	(AVG.)

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.900	(SSD-FC)
Push gradient:	1.115	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.793	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.5449

Adjusted unit production: 557.38 LCY/hr

Adjusted fleet production: **557.38** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.397/LCY

Total job time: **7.18** Hours

Total job cost: **\$1,587**

WHEEL LOADER – LOAD AND CARRY WORKTask description: Spread TS 1' on 29 acresSite: Bedrock Mine #1Permit Action: 2024 UPDATEPermit/Job#: M1997086**PROJECT IDENTIFICATION**Task #: 003State: ColoradoAbbreviation: NoneDate: 1/2/2025County: PuebloFilename: 003User: JLCAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: CAT 980HAttachment 1: ROPS CabHorsepower: 315Shift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		Utilization %
Ownership Cost/Hour:	\$69.00	NA
Operating Cost/Hour:	\$60.57	100
Operator Cost/Hour:	\$56.84	NA
Total Unit Cost/Hour:	\$186.41	
Total Fleet Cost/Hour:	\$186.41	

MATERIAL QUANTITIESInitial volume: 46,787

CCY

Swell factor: 1.000Loose volume: 46,787

LCY

Source of estimated volume: DRMS EstimateSource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Loader Cycle Time: Unadjusted Basic Cycle Time (load, dump, maneuver): 0.550 minutes

Cycle Time Factors		Factor (min.)	Source
Material:	Material 3/4" to 6" diameter 0.00	0.000	(Cat HB)
Stockpile:	Conveyor or dozer piled 10 ft. high or less 0.01	0.010	(Cat HB)
Truck Ownership:	No adjustment - factor not applicable 0.00	0.000	(Cat HB)
Operation:	No adjustment - factor not applicable 0.00	0.000	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		0.010	minutes
Adjusted Basic Cycle Time:		0.560	minutes

Rolling Resistance – Road ConditionsHaul: Firm, smooth, rolling, dirt/lt. surfaced, watered, maintained 3.0Return: Firm, smooth, rolling, dirt/lt. surfaced, watered, maintained 3.0**Haul and Return Time**

	Length (feet)	Grade Res. (%)	Rolling Res. (%)	Total Res. (%)	Travel Time (minutes)	Source
Haul Route:	400	0.00	3.00	3.00	0.3092	(Cat HB)
Return Route:	400	0.00	3.00	3.00	0.2917	(Cat HB)

Total Travel Time: 0.6010 minutes
 Total Cycle Time: 1.1610 minutes

Load Bucket Capacity

Rated Capacity: 7.50 LCY (heaped)
 Bucket Fill Factor: 1.100 Other - rock/dirt mixtures (100-120%) 1.100
 Adjusted Capacity: 8.25 LCY

Job Condition Correction Factors

Site Altitude: 5800 feet

		Source
Altitude Adj:	<u>1.00</u>	(CAT HB)
Job Efficiency:	<u>0.83</u>	(1 shift/day)
Net Correction:	<u>0.83</u>	multiplier

Unadjusted Hourly Unit Production: 426.37 LCY/Hour
 Adjusted Hourly Unit Production: 353.89 LCY/Hour
 Adjusted Hourly Fleet Production: 353.89 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Loader(s) Total job time: 132.21 Hours
 Unit cost: \$0.527 /LCY Total job cost: \$24,645

MOTOR GRADER WORK

Task description: Rip 36 acres of TSSA and Stone Yard

Site: Bedrock Mine #1

Permit Action: 2024 UPDATE

Permit/Job#: M1997086

PROJECT IDENTIFICATION

Task #: 004A

State: Colorado

Abbreviation: None

Date: 1/2/2025

County: Pueblo

Filename: M086-004a

User: JLC

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: CAT 120M

Horsepower: 138

Ripper Attachment: Multi-Shank Ripper

Shift Basis: 1 per day

Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	\$52.82	NA
Operating Cost/Hour:	\$43.76	100
Ripper Ownership Cost/Hour:	\$3.06	NA
Ripper Operating Cost/Hour:	\$2.73	100
Operator Cost/Hour:	\$56.70	NA
Total Unit Cost/Hour:	\$159.07	
Total Fleet Cost/Hour:	\$159.07	

MATERIAL QUANTITIES

Total Area to be graded or ripped: 36.00 acres

Source of estimated acreage: Annual Report and site inspection

HOURLY PRODUCTION

Average Grader Speed:	<u>1.50</u>	mph
Selected Application:	<u>Ripping (0-3 mph) - 1.50</u>	
Selected Blade Angle:	<u>-1</u>	degrees
Effective Blade Length:	<u>0.00</u>	feet
Width of blade overlap per pass:	<u>2.00</u>	feet
Net grading or ripping width per pass:	<u>7.58</u>	feet
Unadjusted Hourly Unit Production:	<u>1.3782</u>	acres/hour

Job Condition Correction Factors

Site Altitude: 5800 feet

		Source
Altitude Adj:	<u>1.00</u>	(CAT HB)
Job Efficiency:	<u>0.90</u>	(1sh/d, fav.)
Net Correction:	<u>0.9000</u>	multiplier

Adjusted Hourly Unit Production: 1.2404 acres/Hour

Adjusted Hourly Fleet Production: **1.2404** acres/Hour

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: **29.02** Hours

Unit cost: \$128.24 per acre Total job cost: **\$4,617**

MOTOR GRADER WORK

Task description: Spread and Shape TS 29.4 acres

Site: Bedrock Mine #1

Permit Action: 2024 UPDATE

Permit/Job#: M1997086

PROJECT IDENTIFICATION

Task #: 005

State: Colorado

Abbreviation: None

Date: 1/2/2025

County: Pueblo

Filename: M086-005

User: JLC

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: CAT 140M

Horsepower: 183

Ripper Attachment: Multi-Shank Ripper

Shift Basis: 1 per day

Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	\$77.29	NA
Operating Cost/Hour:	\$56.87	100
Ripper Ownership Cost/Hour:	\$3.06	NA
Ripper Operating Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$57.29	NA
Total Unit Cost/Hour:	\$194.51	
Total Fleet Cost/Hour:	\$194.51	

MATERIAL QUANTITIES

Total Area to be graded or ripped: 29.40 acres

Source of estimated acreage: Annual Report and Site Inspection

HOURLY PRODUCTION

Average Grader Speed:	<u>1.50</u>	mph
Selected Application:	<u>Finish grading (0-2.5 mph) - 1.5</u>	
Selected Blade Angle:	<u>30</u>	degrees
Effective Blade Length:	<u>10.40</u>	feet
Width of blade overlap per pass:	<u>2.00</u>	feet
Net grading or ripping width per pass:	<u>8.40</u>	feet
Unadjusted Hourly Unit Production:	<u>1.5273</u>	acres/hour

Job Condition Correction Factors

Site Altitude: 5800 feet

		Source
Altitude Adj:	<u>1.00</u>	(CAT HB)
Job Efficiency:	<u>0.85</u>	(1sh/d, mod.)
Net Correction:	<u>0.8500</u>	multiplier

Adjusted Hourly Unit Production: 1.2982 acres/Hour

Adjusted Hourly Fleet Production: **1.2982** acres/Hour

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: **22.65** Hours

Unit cost: \$149.83 per acre Total job cost: **\$4,405**

REVEGETATION WORKTask description: Revegetation of 29.4 acres related to mining areasSite: Bedrock Mine #1Permit Action: 2024 UPDATEPermit/Job#: M1997086**PROJECT IDENTIFICATION**Task #: 006State: ColoradoAbbreviation: NoneDate: 1/2/2025County: PuebloFilename: M086-006User: JLCAgency 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
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Weed control spraying (MEANS 31 31 16.13 3100)	\$338.80
Total Tilling Cost/Acre	\$456.41

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Orchardgrass - Paiute	1.00	12.40	\$4.59
Rye, Perennial Tetraploid - Tetra-Plus	1.00	5.67	\$2.28
Crested Wheatgrass - Hy-Crest	1.00	4.59	\$5.05
Russian Wildrye - Bozoisky	2.00	8.03	\$22.15
Smooth Brome - Lincoln	2.00	6.66	\$9.71
Intermediate Wheatgrass - Oahe	2.00	4.27	\$9.29
Slender Wheatgrass - Native	1.00	3.65	\$7.06
		45.27	\$60.13

Totals Seed Mix	10.00		
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Application

Description	Cost /Acre
Drill Seeding (DRMS Survey Cost)	\$236.64
Total Seed Application Cost/Acre	\$236.64

MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Hay, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$492.78	\$985.56
Total Mulch Materials Cost/Acre				\$985.56

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$85.37
Total Mulch Application Cost/Acre	\$85.37

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: 29.4
 Estimated Failure Rate: 10%
 *Selected Replanting Work Items: SEEDING

Cost /Acre: \$1,824.11
 Cost /Acre*: \$296.77

Initial Job Cost: **\$53,628.83**
 Reseeding Job Cost: **\$872.50**
 Total Job Cost: **\$54,501**
 Job Hours: **15.00**

REVEGETATION WORKTask description: Revegetation of 36.2 acres TSSA, Stone Yard and miscSite: Bedrock Mine #1Permit Action: 2024 UPDATEPermit/Job#: M1997086**PROJECT IDENTIFICATION**Task #: 006AState: ColoradoAbbreviation: NoneDate: 1/2/2025County: PuebloFilename: M086-006aUser: JLCAgency 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
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Weed control spraying (MEANS 31 31 16.13 3100)	\$338.80
Total Tilling Cost/Acre	\$456.41

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Orchardgrass - Paiute	1.00	12.40	\$4.59
Rye, Perennial Tetraploid - Tetra-Plus	1.00	5.67	\$2.28
Crested Wheatgrass - Hy-Crest	1.00	4.59	\$5.05
Russian Wildrye - Bozoisky	2.00	8.03	\$22.15
Smooth Brome - Lincoln	2.00	6.66	\$9.71
Intermediate Wheatgrass - Oahe	2.00	4.27	\$9.29
Slender Wheatgrass - Native	1.00	3.65	\$7.06
		45.27	\$60.13

Totals Seed Mix	10.00		
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Application

Description	Cost /Acre
Drill Seeding (DRMS Survey Cost)	\$236.64
Total Seed Application Cost/Acre	\$236.64

MULCHING and MISCELLANEOUS**Materials**

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

Application

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

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:	36.2	Cost /Acre:	\$753.18
Estimated Failure Rate:	10%	Cost /Acre*:	\$296.77
*Selected Replanting Work Items:	SEEDING		

Initial Job Cost:	\$27,265.12
Reseeding Job Cost:	\$1,074.31
Total Job Cost:	\$28,339
Job Hours:	18.00

REVEGETATION WORKTask description: Weed Control 5.7 acresSite: Bedrock Mine #1Permit Action: 2024 UPDATEPermit/Job#: M1997086**PROJECT IDENTIFICATION**Task #: 006BState: ColoradoAbbreviation: NoneDate: 1/2/2025County: PuebloFilename: M086-006bUser: JLCAgency 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
Weed control spraying (MEANS 31 31 16.13 3100)	\$338.80
Total Tilling Cost/Acre	\$338.80

SEEDING

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

Application

Description	Cost /Acre
	\$

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

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

Application

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

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: 5.7
 Estimated Failure Rate: 0%
 *Selected Replanting Work Items: TILLING

Cost /Acre: \$338.80
 Cost /Acre*: \$338.80

Initial Job Cost: **\$1,931.16**
 Reseeding Job Cost: **\$0.00**
 Total Job Cost: **\$1,931**
 Job Hours: **0.00**

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Mob/Demob**Site: **Bedrock Mine #1**Permit Action: 2024 UPDATEPermit/Job#: M1997086**PROJECT IDENTIFICATION**Task #: 007State: ColoradoAbbreviation: NoneDate: 1/2/2025County: PuebloFilename: M086-007User: JLCAgency 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:**

Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons
Ownership Cost/Hour:	\$10.44	\$22.18	\$23.94
Operating Cost/Hour:	\$26.48	\$54.55	\$55.65
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52
Helper Cost/Hour:	\$0.00	\$23.53	\$23.53
Total Unit Cost/Hour:	\$59.44	\$122.78	\$125.64

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
Cat D7R DS XR Series II	35.93	\$99.49	\$122.78	1	\$222.27	\$122.78	\$250.00
CAT 980H	33.12	\$69.00	\$122.78	1	\$191.78	\$122.78	\$250.00
CAT 140M	16.68	\$80.35	\$59.44	1	\$139.79	\$59.44	\$250.00
Drill/Broadcast Seeder with Tractor	25.00	\$41.02	\$59.44	2	\$200.92	\$118.88	\$250.00
Subtotals:					\$754.76	\$423.88	\$1,000.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 1 T. Crew	\$108.47	1	\$108.47	\$108.47
Subtotals:			\$108.47	\$108.47

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: PUEBLO
 Total one-way travel distance: 20.00 miles
 Average Travel Speed: 55.00 mph

Total Non-Roadable Mob/Demob Cost * \$4,668.62
 ** two round trips with haul rig:
 Total Roadable Mob/Demob Cost ** \$78.89
 ** one round trip, no haul rig:

Transportation Cycle Time:

	Non- Roadable Equipment	Roadable Equipment
Haul Time (Hours):	<u>0.36</u>	<u>0.36</u>
Return Time (Hours):	<u>0.36</u>	<u>0.36</u>
Loading Time (Hours):	<u>0.70</u>	<u>NA</u>
Unloading Time (Hours):	<u>0.50</u>	<u>NA</u>
Subtotals:	<u>1.93</u>	<u>0.73</u>

JOB TIME AND COST

Total job time: 3.85 Hours

Total job cost: \$4,748