



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

March 13, 2024

Matt Welte  
Summit Brick & Tile Co.  
P.O. Box 533  
Pueblo, CO 81002-0533

**Re: Stocks Clay Mine - File No. M-1977-324**  
**Summit Brick & Tile Co.**  
**Surety Increase (SI-1)**  
**Surety Increase to \$122,553**

Dear Matt Welte:

On March 13, 2024 the Division of Reclamation, Mining and Safety increased the current Financial Warranty for this permit to \$122,553.00, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of \$84,053.00.

The Division ordered amendment of the current Financial Warranty, or submittal of a new Financial Warranty reflecting the increase, within 60 days from the date of this letter (March 13, 2024).

Please make arrangements with Sara M. Stevenson-Benn at the Division's Denver office for submittal of the financial warranty. Any other questions regarding completion, execution and/or submittal of financial warranty forms should also be directed to Sara M. Stevenson-Benn by telephone at (303) 866-3567 (8148), or by email at [Sara.stevenson-benn@state.co.us](mailto:Sara.stevenson-benn@state.co.us).

The Permittee for this site may be scheduled for a Formal Board Hearing for possible revocation of the permit after May 12, 2024, if the amount of any increased Financial Warranty has not been provided.

Bond Held:	\$38,500.00
Prior Liability:	\$38,500.00
Change in Liability:	\$84,053.00
Revised Liability:	\$122,553.00
Prior Permit Acreage:	280.00
Change in Permit Acreage:	0.00



Revised Permit Acreage:	280.00
Prior Affected Acreage:	18.00
Change in Affected Acreage:	0.00
Revised Affected Acreage:	18.00

If you have any questions, please contact me by telephone at (303) 866-3567 x 8176, or by email at [Hunter.ridley@state.co.us](mailto:Hunter.ridley@state.co.us).

Sincerely,



Hunter C. Ridley  
Environmental Protection Specialist

cc: Julie A. Welte

M-GR-04

## COST SUMMARY WORK

Task description: \_\_\_\_\_

Site: Stocks Clay Mine

Permit Action: TR2

Permit/Job#: M1977324

### PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 3/4/2024

County: Fremont

Filename: M324-000

User: HR1

Agency or organization name: DRMS

### TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Backfill 121,000 CY	LOADER	1	305.17	\$49,230
002	Place 16,200 CY of Topsoil	DOZER	1	93.89	\$23,289
003	Reveg 30 acres	REVEGE	1	35.00	\$14,584
004	Weed Control	REVEGE	1	1.00	\$187
005	Mob/Demob Equipment	MOBILIZE	1	2.28	\$2,727
<b><u>SUBTOTALS:</u></b>				<b>437.34</b>	<b>\$90,017</b>

### INDIRECT COSTS

#### OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$1,818

Performance bond: 1.05

Total = \$945

Job superintendent: 152.68

Total = \$9,936

Profit: 10.00

Total = \$9,002

TOTAL O & P = \$21,702

CONTRACT AMOUNT (direct + O & P) = \$111,719

#### LEGAL - ENGINEERING - PROJECT MANAGEMENT:

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

Total = \$500

Engineering work and/or contract/bid preparation: 4.25

Total = \$4,748

Reclamation management and/or administration: 5.00

\$5,586

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$32,536

**TOTAL BOND AMOUNT (direct + indirect) = \$122,553**

**WHEEL LOADER – LOAD AND CARRY WORK**Task description: Backfill 121,000 CYSite: Stocks Clay MinePermit Action: TR2Permit/Job#: M1977324**PROJECT IDENTIFICATION**Task #: 001State: ColoradoAbbreviation: NoneDate: 3/4/2024County: FremontFilename: 001User: HR1Agency 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:	\$61.69	NA
Operating Cost/Hour:	\$58.92	100
Operator Cost/Hour:	\$40.71	NA
Total Unit Cost/Hour:	\$161.32	
Total Fleet Cost/Hour:	\$161.32	

**MATERIAL QUANTITIES**Initial volume: 121,000

CCY

Swell factor: 1.000Loose volume: 121,000

LCY

Source of estimated volume: TR2, Exh. LSource 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:	Bank or broken material 0.04	0.040	(Cat HB)
Stockpile:	No adjustment - factor not applicable 0.00	0.000	(Cat HB)
Truck Ownership:	Common ownership of trucks and loaders -0.04	-0.040	(Cat HB)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	No adjustment - factor not applicable 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		-0.040	minutes
Adjusted Basic Cycle Time:		0.510	minutes

**Rolling Resistance – Road Conditions**Haul: Soft, rutted dirt, no maintenance or water, 4" tire penetration 8.0Return: Soft, rutted dirt, no maintenance or water, 4" tire penetration 8.0**Haul and Return Time**

	Length (feet)	Grade Res. (%)	Rolling Res. (%)	Total Res. (%)	Travel Time (minutes)	Source
Haul Route:	250	-5.00	8.00	3.00	0.1933	(Cat HB)
Return Route:	250	5.00	8.00	13.00	0.3329	(Cat HB)

Total Travel Time: 0.5262 minutes  
 Total Cycle Time: 1.0362 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: 6000 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: 477.71 LCY/Hour  
 Adjusted Hourly Unit Production: 396.50 LCY/Hour  
 Adjusted Hourly Fleet Production: 396.50 LCY/Hour

**JOB TIME AND COST**

Fleet size: 1 Loader(s) Total job time: 305.17 Hours  
 Unit cost: \$0.407 /LCY Total job cost: \$49,230

**BULLDOZER WORK**Task description: **Place 16,200 CY of Topsoil**Site: **Stocks Clay Mine**Permit Action: **TR2**Permit/Job#: **M1977324****PROJECT IDENTIFICATION**Task #: **002**State: **Colorado**Abbreviation: **None**Date: **3/4/2024**County: **Fremont**Filename: **002**User: **HR1**Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Basic Machine: **Cat D7R DS Series II LGP**Horsepower: **240**Blade Type: **Straight**Attachment: **NA**Shift Basis: **1 per day**Data Source: **(CRG)****Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$114.76	NA
Operating Cost/Hour:	\$91.98	100
Ripper own. Cost/Hour:	\$0.00	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$41.30	NA

Total unit Cost/Hour: **\$248.04**Total Fleet Cost/Hour: **\$248.04****MATERIAL QUANTITIES**Initial Volume: **16,200**Swell factor: **1.000**Loose volume: **16,200 LCY**Source of estimated volume: **CN-1, Exh L, 4" over 30 acres**Source of estimated swell factor: **Cat Handbook****HOURLY PRODUCTION**Average push distance: **200 feet**Unadjusted hourly production: **289.3 LCY/hr**Materials consistency description: **Partly consolidated stockpile 1.1**Average push gradient: **-5 %**Average site altitude: **6,000 feet**Material weight: **2,650 lbs/LCY**Weight description: **Decomposed rock - 25% Rock, 75% Earth****Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	1.100	(CAT HB)
Dozing method:	1.000	(GEN.)
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:	0.868	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.5964

Adjusted unit production: 172.54 LCY/hr

Adjusted fleet production: **172.54** LCY/hr

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)

Unit cost: \$1.438/LCY

Total job time: **93.89** Hours

Total job cost: **\$23,289**

**REVEGETATION WORK**Task description: Reveg 30 acresSite: Stocks Clay MinePermit Action: TR2Permit/Job#: M1977324**PROJECT IDENTIFICATION**Task #: 003State: ColoradoAbbreviation: NoneDate: 3/4/2024County: FremontFilename: 003User: HR1Agency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
6-24-24, 10-20-10, 15-15-15	40.00	pound	\$0.44	\$17.60
			<b>Total Fertilizer Materials Cost/Acre</b>	<b>\$17.60</b>

**Application**

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

**TILLING**

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$112.82
<b>Total Tilling Cost/Acre</b>	<b>\$112.82</b>

**SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Blue Grama - Hachita	0.30	4.90	\$4.79
Indian Ricegrass - Nespar	0.90	2.91	\$7.99
Little Bluestem - Pastura	0.53	3.16	\$7.15
Sideoats Grama - Vaughn	1.35	4.43	\$11.31
Western Wheatgrass - Arriba	1.60	4.04	\$10.40
<b>Totals Seed Mix</b>	<b>4.68</b>	<b>19.45</b>	<b>\$41.63</b>

**Application**

Cost /Acre
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Description	
Drill Seeding (DRMS Survey Cost)	\$232.00
<b>Total Seed Application Cost/Acre</b>	<b>\$232.00</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:	30	Cost /Acre:	\$404.05
Estimated Failure Rate:	30%	Cost /Acre*:	\$273.63
*Selected Replanting Work Items:	SEEDING		
Initial Job Cost:	<b>\$12,121.50</b>		
Reseeding Job Cost:	<b>\$2,462.67</b>		
Total Job Cost:	<b>\$14,584</b>		
Job Hours:	<b>35.00</b>		

**REVEGETATION WORK**Task description: Weed ControlSite: Stocks Clay MinePermit Action: TR2Permit/Job#: M1977324**PROJECT IDENTIFICATION**Task #: 004State: ColoradoAbbreviation: NoneDate: 3/4/2024County: FremontFilename: 004User: HR1Agency 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
	\$
<b>Total Tilling Cost/Acre</b>	<b>\$0.00</b>

**SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
			\$
<b>Totals Seed Mix</b>	<b>0.00</b>	<b>0.00</b>	<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
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$4.01	\$4.01
<b>Total Mulch Materials Cost/Acre</b>				<b>\$4.01</b>

## Application

<b>Description</b>	<b>Cost /Acre</b>
Weed spray, hand, non-aquatic area, nox. [DMG]	\$183.16
<b>Total Mulch Application Cost/Acre</b>	<b>\$183.16</b>

## 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:	<u>1</u>	Cost /Acre:	<u>\$187.17</u>
Estimated Failure Rate:	<u>0%</u>	Cost /Acre*:	<u>\$0.00</u>
*Selected Replanting Work Items:	<u>NONE</u>		
Initial Job Cost:	<u><b>\$187.17</b></u>		
Reseeding Job Cost:	<u><b>\$0.00</b></u>		
Total Job Cost:	<u><b>\$187</b></u>		
Job Hours:	<u><b>1.00</b></u>		

**EQUIPMENT MOBILIZATION/DEMOBILIZATION**Task description: **Mob/Demob Equipment**Site: **Stocks Clay Mine**Permit Action: **TR2**Permit/Job#: **M1977324****PROJECT IDENTIFICATION**Task #: **005**State: **Colorado**Abbreviation: **None**Date: **3/4/2024**County: **Fremont**Filename: **005**User: **HR1**Agency or organization name: **DRMS****EQUIPMENT TRANSPORT RIG COST**Shift basis: **1 per day**Cost Data Source: **CRG Data**Truck 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:	\$20.26	\$36.04	\$47.05
Operating Cost/Hour:	\$39.51	\$76.08	\$82.85
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52
Helper Cost/Hour:	\$0.00	\$23.53	\$23.53
Total Unit Cost/Hour:	\$82.29	\$158.17	\$175.95

**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 980H	33.12	\$61.69	\$158.17	1	\$219.86	\$158.17	\$250.00
Cat D7R DS Series II LGP	34.57	\$114.76	\$158.17	1	\$272.93	\$158.17	\$250.00
Drill/Broadcast Seeder with Tractor	25.00	\$6.73	\$82.29	1	\$89.02	\$82.29	\$250.00

Subtotals: **\$581.81** **\$398.63** **\$750.00****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	\$27.44	1	\$27.44	\$27.44

Subtotals: **\$27.44** **\$27.44**

**EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region: CAÑON CITY  
 Total one-way travel distance: 8.00 miles  
 Average Travel Speed: 25.00 mph

Total Non-Roadable Mob/Demob Cost \* \$2,709.29  
 \*\* two round trips with haul rig:  
 Total Roadable Mob/Demob Cost \*\* \$17.56  
 \*\* one round trip, no haul rig:

**Transportation Cycle Time:**

	Non- Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.32	0.32
Return Time (Hours):	0.32	0.32
Loading Time (Hours):	0.25	NA
Unloading Time (Hours):	0.25	NA
Subtotals:	1.14	0.64

**JOB TIME AND COST**

Total job time: 2.28 Hours

Total job cost: \$2,727