

January 13, 2025

George Glasier Pinon Ridge Mining LLC P O Box 825 31161 Highway 90 Nucla, CO 81424

Re: Sunday Mine - File No. M-1977-285

> **Pinon Ridge Mining LLC Surety Increase (SI-2) Surety Increase**

Dear George Glasier:

On January 13, 2025 the Division of Reclamation, Mining and Safety increased the current Financial Warranty for this permit to \$523,126.00, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of \$192,884.00.

Regular surety increased based on inspection changes and inflationary increases

Please see the November 13, 2024 inspection report for details regarding why this surety increase is required.

On January 13, 2025, the Division ordered amendment of the current Financial Warranty or submittal of a new Financial Warranty reflecting the increase, within 60 days.

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, or by email at 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 if the amount of any increased Financial Warranty has not been provided by March 14, 2025.

Bond Held:	\$330,242.00
Prior Liability:	\$330,242.00



Change in Liability:	\$192,884.00
Revised Liability:	\$523,126.00
Prior Permit Acreage:	60.00
Change in Permit Acreage:	0.00
Revised Permit Acreage:	60.00
Prior Affected Acreage:	40.00
Change in Affected Acreage:	0.00
Revised Affected Acreage:	40.00

If you have any questions, please contact me by telephone at (303) 919-2997, or by email at Lucas.west@state.co.us.

Sincerely,

Lucas J. West

Environmental Protection Specialist

George Glasier, Pinon Ridge Mining LLC George Glasier, Pinon Ridge Mining LLC

M-GR-04

COST SUMMARY WORK

Task description:		Cost Summary			
Site: Sunday N	Mine	Pe	rmit Action: 2024 Update	e Permit/Jol	b#: M1977285
PROJECT	IDENTIFI	<u>CATION</u>			
Task #:	000	State:	Colorado	Abbreviation:	None
Date:	11/25/2024	County:	San Miguel	Filename:	M285-000
User:	LJW				

TASK LIST (DIRECT COSTS)

Agency or organization name: DRMS

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Demolition of structures, underground or onsite disposal	DEMOLISH	1	80.00	\$35,408
002	Portal closure (backfilling)	MINESEAL	1	40.00	\$31,106
003	Downhill dozing of waste dump	DOZER	2	33.29	\$31,619
004	Rough grading on top of pad and against cut face	DOZER	2	70.06	\$66,541
005	Lateral dozing of dump face	DOZER	2	12.99	\$12,337
006a	Demo Vent Fan S-1	DEMOLISH	1	36.00	\$1,366
006b	Vent Shaft Closure S-1	MINESEAL	1	16.00	\$4,218
007a	Demo Vent Fan S-2	DEMOLISH	1	36.00	\$1,366
007b	Vent Shaft Closure S-2	MINESEAL	1	16.00	\$4,218
008a	Demo Vent Fan S-3	DEMOLISH	1	36.00	\$1,366
008b	Vent Shaft Closure S-3	MINESEAL	1	16.00	\$4,218
009a	Demo Vent Fan S-4	DEMOLISH	1	36.00	\$1,366
009b	Vent Shaft Closure S-4	MINESEAL	1	16.00	\$4,218
010a	Demo Vent Fan S-7	DEMOLISH	1	36.00	\$1,366
010b	Vent Shaft Closure S-7	MINESEAL	1	16.00	\$4,218
011a	Demo Vent Fan S-8	DEMOLISH	1	36.00	\$1,366
011b	Vent Shaft Closure S-8	MINESEAL	1	16.00	\$4,218
012a	Demo Vent Fan S-15	DEMOLISH	1	36.00	\$1,366
012b	Vent Shaft Closure S-15	MINESEAL	1	16.00	\$4,218
014	Rip (older) vent shaft roads	RIPPER	1	1.59	\$773
015	Rip new vent shaft pads	RIPPER	1	1.69	\$819
016	Rip new vent shaft roads	RIPPER	1	3.58	\$1,737
017	Rip (older) vent shaft pads	RIPPER	1	1.69	\$819
018	Rip portal pad and dump areas	RIPPER	2	4.05	\$3,932
019	Grade new vent shaft roads	DOZER	1	2.23	\$1,060
020	Grade (older) vent shaft roads	DOZER	1	1.10	\$523
021	Grade (older) vent shaft pads	DOZER	1	1.40	\$664
022	Grade (older) vent shaft pads	DOZER	1	1.40	\$664
023	Spread topsoil on pad	DOZER	1	1.37	\$649
024	Haul low grade ore underground	LOADER	2	376.07	\$66,013
025a	Remove Operational Soils from lined ore pad, fold up liner	EXCAVATE	1	0.85	\$441
025b	Load and carry liner into underground workings	TRUCK1	1	1.44	\$843
025c	Grade out material from deconstructed ore pad	DOZER	1	0.77	\$365
026	Revegetate (older) vent shaft pads and vent roads	REVEGE	1	8.00	\$4,739
027	Revegetate new vent shaft pads and vent roads	REVEGE	1	16.00	\$7,701
028	Revegetate "affected area" at portal pad and dump	REVEGE	1	36.00	\$65,164
029	Haul reclamation equipment to and from site	MOBILIZE	1	9.20	\$13,015

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INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02 Total = \$7,798 Performance bond: 1.05 Total = \$4,053 Job superintendent: 534.39 Total = \$42,361 Profit: 10.00 Total = \$38,602

TOTAL O & $P = \frac{$92,814}{}$

CONTRACT AMOUNT (direct + O & P) = \$478,834

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

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

Engineering work and/or contract/bid preparation: 4.25 Total = \$20,350

Reclamation management and/or administration: 5.00 \$23,942

CONTINGENCY: 0.00 Total = \$0

TOTAL INDIRECT COST = \$137,106

TOTAL BOND AMOUNT (direct + indirect) = \$523,126

Site: S	unday Mine		Permit Action: 2024 Update		Permit/Job#: M1977285		
ROJEC	Γ IDENTIFICATI	<u>ON</u>					
Task #:	001	State:	Colorado		Abbreviation:	None	
Date:	11/25/2024	County:	San Miguel		Filename:	M285-01	
User:	LJW	<u> </u>					

<u>UNIT COSTS</u> <u>Location adjustment: 96.90 %</u>

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Warehouse/wash bay	44x16x12	Bldg. (SN) demo./on- site disposal in existing pit or cut - Max. 200 ft. push	4,884.00	CF	\$0.24	\$1,153.60
Auxiliary bldg.	14x20x10	Bldg. (SN) demo./on- site disposal in existing pit or cut - Max. 200 ft. push	2,800.00	CF	\$0.24	\$661.36
West shop	40x40x15	Bldg. (SN) demo./on- site disposal in existing pit or cut - Max. 200 ft. push	24,000.00	CF	\$0.24	\$5,668.80
Office and dry	50x36x15	Bldg. (SN) demo./on- site disposal in existing pit or cut - Max. 50 ft. push	27,000.00	CF	\$0.22	\$5,821.20
Small items warehouse	28x12x10	Bldg. (SN) demo./on- site disposal in existing pit or cut - Max. 50 ft. push	3,360.00	CF	\$0.22	\$724.42
Compressor bldg.	20x40x15	Bldg. (SN) demo./on- site disposal in existing pit or cut - Max. 50 ft. push	12,000.00	CF	\$0.22	\$2,587.20
Warehouse/wash bay slab	44x16	Demo. and on-site disposal in existing pit, 4 in. thick - Max. 200 ft. push	704.00	SF	\$0.79	\$557.71
Warehouse/wash bay ext. slab	19x19	Demo. and on-site disposal in existing pit, 4 in. thick - Max. 200 ft. push	361.00	SF	\$0.79	\$285.98
Auxiliary bldg. slab	14x20	Demo. and on-site disposal in existing pit, 4 in. thick - Max. 200 ft. push	280.00	SF	\$0.79	\$221.82
West shop slab	40x40	Demo. and on-site disposal in existing pit, 4 in. thick - Max. 200 ft. push	1,600.00	SF	\$0.79	\$1,267.52
West shop ext. (W) slab	36x36	Demo. and on-site disposal in existing pit, 4 in. thick - Max. 200 ft. push	1,296.00	SF	\$0.79	\$1,026.69

West shop sidewalk	4x36	Demo. and on-site disposal in existing pit, 4 in. thick - Max. 200 ft. push	144.00	SF	\$0.79	\$114.08
West shop ext. (S) slab	12x40	Demo. and on-site disposal in existing pit, 4 in. thick - Max. 200 ft. push	480.00	SF	\$0.79	\$380.26
East shop slab	41x35	Demo. and on-site disposal in existing pit, 4 in. thick - Max. 200 ft. push	1,435.00	SF	\$0.79	\$1,136.81
Attached storage slab	12x26	Demo. and on-site disposal in existing pit, 4 in. thick - Max. 200 ft. push	312.00	SF	\$0.79	\$247.17
Attached storage slab	12x12	Demo. and on-site disposal in existing pit, 4 in. thick - Max. 200 ft. push	144.00	SF	\$0.79	\$114.08
East shop ext. (W) slab	35x13	Demo. and on-site disposal in existing pit, 4 in. thick - Max. 200 ft. push	455.00	SF	\$0.79	\$360.45
Office and dry slab	50x36	Demo. and on-site disposal in existing pit, 4 in. thick - Max. 200 ft. push	1,800.00	SF	\$0.79	\$1,425.96
Office and dry sidewalk	90x4	Demo. and on-site disposal in existing pit, 4 in. thick - Max. 50 ft. push	360.00	SF	\$0.76	\$271.87
Small items warehouse slab	28x12	Demo. and on-site disposal in existing pit, 4 in. thick - Max. 50 ft. push	336.00	SF	\$0.76	\$253.75
Compressor bldg. slab	20x16	Demo. and on-site disposal in existing pit, 4 in. thick - Max. 50 ft. push	320.00	SF	\$0.76	\$241.66
Compressor bldg. slab	20x40	Demo. and on-site disposal in existing pit, 4 in. thick - Max. 50 ft. push	800.00	SF	\$0.76	\$604.16
Denison-owned powerlines	3800 LF single poles	Disposal of utility pole cross arms and hardware surplus material	3,800.00	LF	\$0.01	\$38.00
Misc debris/materials	50x60x10 mass	Push demolished materials/rubble/debris into pit - Max. 200 ft. push	1,111.00	CY	\$3.32	\$3,690.74
Denison-owned non-PCB transformers	20x20x48 inch	Hazardous waste removal - Drum solids/liquids, per drum, (1-6 drum job)	6.00	DRUM	\$492.56	\$2,955.38
Remove 3 shipping containers	40' container	Loading and 5 mile haul, salvage allowed - Steel frame structures	258.00	CY	\$13.75	\$3,547.50

Demo Worksheet Cont'd Task # TTT Page 3 of 3

Remove portable	40' trailer	Loading and 5 mile	86.00	CY	\$13.75	\$1,182.50
Office Trailer		haul, salvage allowed -				
		Steel frame structures				

| Total Cost | Subtotal | Gadjusted for | Job Hours: | 80.00 | (unadjusted): | \$36,540.67 | location): | \$35,407.91

Т	ask description:	Portal closure (backfilling)			
Site:	Sunday Mine	Permit Action:	2024 Update	Permit/J	ob#: M1977285
<u>PROJEC</u>	CT IDENTIFICATION	<u>I</u>			
Task # Date User	: 11/25/2024	State: Colorado County: San Miguel			None M285-2
	Agency or organiza	tion name: DRMS			

UNIT COSTS

Opening Description	Dimensions	Closure Method	Quantity	Unit	Unit Cost	Total Cost
Portal, backfill debris in	10x10	Adit closure - backfilling	600.00	CY	\$43.75	\$26,250.00
adit		(per cu. yd.)				
Portal, backfill	10x10	Adit closure - backfilling	111.00	CY	\$43.75	\$4,856.25
overburden/earth		(per cu. yd.)				

BULLDOZER WORK

Task description:	Downhill dozing of waste du	ітр		
e: Sunday Mine	Permit Action:	2024 Update	Permit/Jo	b#: <u>M1977285</u>
PROJECT IDENTIFI	<u>CATION</u>			
Task #: 003 Date: 11/25/2024 User: LJW	State: Colorado County: San Migue	el	Abbreviation: Filename:	None M285-03
Agency or organ	nization name: DRMS			
HOURLY EQUIPME	NT COST			
	t D9T - 9SU	<u> </u>		
Horsepower: 403		<u> </u>		
	mi-Universal	<u>—</u>		
	hank ripper	<u>—</u>		
	er day	<u> </u>		
Data Source: (Cl	RG)	<u>—</u>		
Cost Breakdown:				
		<u>Utilization %</u>		
Ownership Cost/Hour:	\$253.16	NA		
Operating Cost/Hour:	\$164.35	100		
Ripper own.				
Cost/Hour:	\$18.79	NA		
Ripper op. Cost/Hour:	\$0.00	0		
Operator Cost/Hour:	\$38.59	NA		
MATERIAL QUANT	500			
Swell factor: 1.33 Loose volume: 42,0	5 153 LCY			
Source of estimated volu Source of estimated swe factor:		ion, Mining & Safety		
HOURLY PRODUCT	TION			
Average push distance:	120 feet			
Unadjusted hourly production:	1,093.1 LCY/hr			
Materials consistency de	escription: Consolidated stock	pile 1.0		
Average push gradient:	-10 %			
Average site altitude:	5,800 feet			
Material weight:	2,550 lbs/LCY		<u> </u>	
Weight description:	Sandstone			
Job Condition Correction Operator		Source (AVG.)		

Material consistency:	1.000	(CAT HB)
Dozing method:	1.200	(SLOT)
Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.700	(FND-MF)
Push gradient:	1.225	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.5778

Adjusted unit production:

Adjusted fleet production:

631.59 LCY/hr

1263.18 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: \$0.752/LCY

Total job time: 33.29 Hours
Total job cost: \$31,619

BULLDOZER WORK

Task description:		•	l and against cut face		
Sunday Mine	Mine Permit Action: 2024 Update Permit/		Permit/Jo	rmit/Job#: <u>M1977285</u>	
ROJECT IDENTIFIC	CATION				
Task #: 004	State:	Colorado		Abbreviation:	None
Date: 11/25/2024	County:	San Migue	1	Filename:	M285-4
User: LJW					
Agency or organiz	zation name: DF	RMS			
HOURLY EQUIPMEN	T COST				
Basic Machine: Cat l	D9T - 9SU				
Horsepower: 405	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		_		
1	i-Universal		_		
• • • • • • • • • • • • • • • • • • • •	ank ripper		_		
-	r day		_		
Data Source: (CR			=		
Cost Breakdown:		ı			
0 11 0 /17		#2.72.1 6	<u>Utilization %</u>		
Ownership Cost/Hour:		\$253.16	NA 100		
Operating Cost/Hour: _ Ripper own.		\$164.35	100		
Cost/Hour:		\$18.79	NA		
Ripper op. Cost/Hour:		\$0.00	0		
Operator Cost/Hour:		\$38.59	NA		
MATERIAL QUANTII Initial Volume: 29,80					
Swell factor: 1.335		 			
Source of estimated swell factor:	ne: Division Cat Hand		on, Mining & Safety		
HOURLY PRODUCTI	<u>ON</u>				
Average push distance:	200 feet				
Unadjusted hourly production:	700.0 LCY	/hr			
Materials consistency des	cription: Consol	idated stockp	pile 1.0		
Average push gradient:	5 %				
Average site altitude:	5,800 feet				
Material weight:	2,550 lbs/LCY				
Weight description:	Sandstone				
Job Condition Correction Facilities Operator Sl		750	Source (AVG.)		

Material consistency:	1.000	(CAT HB)
Dozing method:	1.000	(GEN.)
Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	0.903	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4056

Adjusted unit production:

Adjusted fleet production:

283.92 LCY/hr

567.84 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: \$1.673/LCY

Total job time: 70.06 Hours
Total job cost: \$66,541

BULLDOZER WORK

Task description:	Lateral dozing o	of dump face			
e: _Sunday Mine	Pe	Permit Action: _2024 Update			b#: <u>M1977285</u>
PROJECT IDENTIFICATION	<u>CATION</u>				
Task #: 005 Date: 11/25/2024 User: LJW	State: County:	Colorado San Miguel		Abbreviation: Filename:	None M285-05
Agency or organ	ization name:DI	RMS			
HOURLY EQUIPME	NT COST				
Horsepower: 405 Blade Type: Ser Attachment: 3-s Shift Basis: 1 p	i D9T - 9SU ini-Universal hank ripper er day RG)		- - - -		
Cost Breakdown:			_		
Ownership Cost/Hour: Operating Cost/Hour:		\$253.16 \$164.35	<u>Utilization %</u> NA 100		
Ripper own.		\$18.79	NA		
Cost/Hour: Ripper op. Cost/Hour:		\$0.00	0		
Operator Cost/Hour:		\$38.59	NA		
MATERIAL QUANTI Initial Volume: 9,75 Swell factor: 1.33 Loose volume: 13,0 Source of estimated volusource of estimated swe factor:	0 5 16 LCY me: Division		on, Mining & Safety		
HOURLY PRODUCT	<u>ION</u>				
Average push distance: Unadjusted hourly production:	150 feet 910.5 LCY	/hr			
Materials consistency de	scription: Consol	idated stockp	ile 1.0		
Average push gradient:	-10 %				
Average site altitude:	5,800 feet	<u> </u>			
Material weight:	2,550 lbs/LCY				
Weight description:	Sandstone				
Job Condition Correction Operator		750	Source (AVG.)		

Material consistency:	1.000	(CAT HB)
Dozing method:	1.000	(GEN.)
Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.225	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.5503

Adjusted unit production:

Adjusted fleet production:

501.05 LCY/hr

1002.1 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: \$0.948/LCY

Total job time: 12.99 Hours
Total job cost: \$12,337

Site: S	unday Mine		Permit Action:	2024 Update	Permit	/Job#: _	M1977285
ROJECT	TIDENTIFICAT	<u>ION</u>					
Task #:	006A	State:	Colorado		Abbreviation:	None	
Date:	11/25/2024	County:	San Miguel		Filename:	M285	-006a
User:	LJW						

UNIT COSTS

Location adjustment: 86.60 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Remove steel fan / diffuser	6x6x4	USER PROVIDED ITEM	5.00	CY	\$50.00	\$250.00
Break Concrete collar, downshaft disp.	12x12x1	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	144.00	SF	\$2.27	\$326.23
Cut off Casing	6ft Diam x 3'	USER PROVIDED ITEM	1.00	EA	\$1,001.70	\$1,001.70

Total Cost
(adjusted for

Job Hours: 36.00 (unadjusted): \$1,577.93 location): \$1,366.49

Site: Si	ınday Mine	Permit Action:	2024 Update	Permit	/Job#: <u>M1977285</u>
ROJECT	DENTIFICAT	<u>ION</u>			
Task #:	006B	State: Colorado		Abbreviation:	None
Date:	11/25/2024	County: San Miguel		Filename:	M285-006b
User:	LJW				

UNIT COSTS

Opening Description	Dimensions	Closure Method	Quantity	Unit	Unit Cost	Total Cost
Shaft Closure	6x6x6"	Shaft closure - concrete cap, poured-in-place (per Cubic Feet)	216.00	CF	\$19.53	\$4,218.48

Site: S	unday Mine		Permit Action:	2024 Update	Permit	/Job#: _	M1977285
ROJECT	TIDENTIFICAT	<u>ION</u>					
Task #:	007A	State:	Colorado		Abbreviation:	None	
Date:	11/25/2024	County:	San Miguel		Filename:	M285	-007a
User:	LJW						

UNIT COSTS

Location adjustment: 86.60 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Remove steel fan / diffuser	6x6x4	USER PROVIDED ITEM	5.00	CY	\$50.00	\$250.00
Break Concrete collar, downshaft disp.	12x12x1	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	144.00	SF	\$2.27	\$326.23
Cut off Casing	6ft Diam x 3'	USER PROVIDED ITEM	1.00	EA	\$1,001.70	\$1,001.70

Subtotal Cost (adjusted for Job Hours: 36.00 (unadjusted): \$1,577.93 location): \$1,366.49

Ta	sk description:	Vent Shaft Closure S-2				
Site: S	unday Mine	Permit Action:	2024 Update	Permit/	Job#: M1977285	
PROJECT	T IDENTIFICATION	<u>N</u>				
Task #: Date: User:	007B 11/25/2024 LJW	State: Colorado County: San Miguel		Abbreviation: Filename:	None M285-007b	
	Agency or organiza	tion name: DRMS				

UNIT COSTS

Opening Description	Dimensions	Closure Method	Quantity	Unit	Unit Cost	Total Cost
Shaft Closure	6x6x6"	Shaft closure - concrete cap, poured-in-place (per Cubic Feet)	216.00	CF	\$19.53	\$4,218.48

Site: S	unday Mine		Permit Action:	2024 Update	Permit	/Job#: <u>M1977285</u>
ROJEC	Γ IDENTIFICAT	<u>ION</u>				
Task #:	008A	State:	Colorado		Abbreviation:	None
Date:	11/25/2024	County:	San Miguel		Filename:	M285-008a
User:	LJW					

UNIT COSTS

Location adjustment: 86.60 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Remove steel fan /	6x6x4	USER PROVIDED	5.00	CY	\$50.00	\$250.00
diffuser		ITEM				
Break Concrete collar, downshaft disp.	12x12x1	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	144.00	SF	\$2.27	\$326.23
Cut off Casing	6ft Diam x 3'	USER PROVIDED ITEM	1.00	EA	\$1,001.70	\$1,001.70

Subtotal Subtotal (adjusted for Job Hours: 36.00 (unadjusted): \$1,577.93 location): \$1,366.49

Tas	sk description:	Vent Shaft Clos	ure S-3				
Site: Si	unday Mine	Peri	nit Action:	2024 Update	Permit	/Job#:	M1977285
ROJEC1	IDENTIFICATIO	<u>N</u>					
Task #:	008B	State: _C	olorado		Abbreviation:	None	
Date:	11/25/2024	County: S	an Miguel		Filename:	M285	-008b
User:	LJW						

UNIT COSTS

Opening Description	Dimensions	Closure Method	Quantity	Unit	Unit Cost	Total Cost
Shaft Closure	6x6x6"	Shaft closure - concrete cap, poured-in-place (per Cubic Feet)	216.00	CF	\$19.53	\$4,218.48

Site: S	unday Mine		Permit Action:	2024 Update	Permit	/Job#: _	M1977285
ROJECT	T IDENTIFICAT	<u>ION</u>					
Task #:	009A	State:	Colorado		Abbreviation:	None	
Date:	11/25/2024	County:	San Miguel		Filename:	M285-	-009a
User:	LJW						

UNIT COSTS

Location adjustment: 86.60 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Remove steel fan /	6x6x4	USER PROVIDED	5.00	CY	\$50.00	\$250.00
diffuser		ITEM				
Break Concrete	12x12x1	Demo. and on-site	144.00	SF	\$2.27	\$326.23
collar, downshaft		disposal in existing pit,				
disp.		12 in. thick - Max. 50				
		ft. push				
Cut off Casing	6ft Diam x 3'	USER PROVIDED	1.00	EA	\$1,001.70	\$1,001.70
		ITEM				

Subtotal Subtotal (adjusted for Job Hours: 36.00 (unadjusted): \$1,577.93 location): \$1,366.49

Ta	ask description:	Vent Shaft Closure S-4			
Site: _S	Sunday Mine	Permit Action:	2024 Update	Permit/	Job#: M1977285
<u>PROJEC</u>	T IDENTIFICATION	<u>N</u>			
Task #: Date: User:	11/25/2024	State: Colorado County: San Miguel		Abbreviation: Filename:	None M285-009b
	Agency or organiza	tion name: DRMS			

UNIT COSTS

Opening Description	Dimensions	Closure Method	Quantity	Unit	Unit Cost	Total Cost
Shaft Closure	6x6x6"	Shaft closure - concrete cap, poured-in-place (per Cubic Feet)	216.00	CF	\$19.53	\$4,218.48

Site: S	unday Mine		Permit Action:	2024 Update	Permit	/Job#: _	M1977285
ROJEC	Γ IDENTIFICAT	<u>ION</u>					
Task #:	010A	State:	Colorado		Abbreviation:	None	
Date:	11/25/2024	County:	San Miguel		Filename:	M285-	010a
User:	LJW						

UNIT COSTS

Location adjustment: 86.60 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Remove steel fan /	6x6x4	USER PROVIDED	5.00	CY	\$50.00	\$250.00
diffuser		ITEM				
Break Concrete	12x12x1	Demo. and on-site	144.00	SF	\$2.27	\$326.23
collar, downshaft		disposal in existing pit,				
disp.		12 in. thick - Max. 50				
		ft. push				
Cut off Casing	6ft Diam x 3'	USER PROVIDED	1.00	EA	\$1,001.70	\$1,001.70
		ITEM				

Subtotal Subtotal (adjusted for Job Hours: 36.00 (unadjusted): \$1,577.93 location): \$1,366.49

Ta	ask description:	Vent Shaft Closure S-7			
Site: _	Sunday Mine	Permit Action:	2024 Update	Permit/	Job#: M1977285
<u>PROJEC</u>	T IDENTIFICATION	<u>N</u>			
Task #: Date: User:	11/25/2024	State: Colorado County: San Miguel		Abbreviation: Filename:	None M285-010b
	Agency or organiza	tion name: DRMS			

UNIT COSTS

Opening Description	Dimensions	Closure Method	Quantity	Unit	Unit Cost	Total Cost
Shaft Closure	6x6x6"	Shaft closure - concrete cap, poured-in-place (per Cubic Feet)	216.00	CF	\$19.53	\$4,218.48

Site: S	unday Mine		Permit Action:	2024 Update	Permit	/Job#: _	M1977285
ROJECT	T IDENTIFICATI	<u>ION</u>					
Task #:	011A	State:	Colorado		Abbreviation:	None	
Date:	11/25/2024	County:	San Miguel		Filename:	M285-	-011a
User:	LJW						

UNIT COSTS

Location adjustment: 86.60 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Remove steel fan /	6x6x4	USER PROVIDED	5.00	CY	\$50.00	\$250.00
diffuser		ITEM				
Break Concrete collar, downshaft disp.	12x12x1	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	144.00	SF	\$2.27	\$326.23
Cut off Casing	6ft Diam x 3'	USER PROVIDED ITEM	1.00	EA	\$1,001.70	\$1,001.70

Subtotal Subtotal (adjusted for Job Hours: 36.00 (unadjusted): \$1,577.93 location): \$1,366.49

Ta	sk description:	Vent Shaft Closure S-8				
Site: S	unday Mine	Permit Action:	2024 Update	Permit/	Job#: _ <u>l</u>	M1977285
PROJEC"	Γ IDENTIFICATION	<u>N</u>				
Task #: Date: User:	011B 11/25/2024 LJW	State: Colorado County: San Miguel		Abbreviation: Filename:	None M285-0	011b
	Agency or organiza	tion name: DRMS				

UNIT COSTS

Opening Description	Dimensions	Closure Method	Quantity	Unit	Unit Cost	Total Cost
Shaft Closure	6x6x6"	Shaft closure - concrete cap, poured-in-place (per Cubic Feet)	216.00	CF	\$19.53	\$4,218.48

Site: S	unday Mine	Pe	rmit Action:	2024 Update	Permit	/Job#: _	M1977285
ROJEC T	T IDENTIFICAT	<u>'ION</u>					
Task #:	012A	State:	Colorado		Abbreviation:	None	
Date:	11/25/2024	County:	San Miguel		Filename:	M285	-012a
User:	LJW						

UNIT COSTS

Location adjustment: 86.60 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Remove steel fan / diffuser	6x6x4	USER PROVIDED ITEM	5.00	CY	\$50.00	\$250.00
Break Concrete collar, downshaft disp.	12x12x1	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	144.00	SF	\$2.27	\$326.23
Cut off Casing	6ft Diam x 3'	USER PROVIDED ITEM	1.00	EA	\$1,001.70	\$1,001.70

Subtotal Subtotal (adjusted for Job Hours: 36.00 (unadjusted): \$1,577.93 location): \$1,366.49

Site: Sunda	y Mine	I	Permit Action:	2024 Update	Permit/	Job#: <u>M1</u>	.977285
PROJECT ID	ENTIFICATIO	<u>N</u>					
	2B	State:	Colorado		Abbreviation:	None	
Date:11.	/25/2024	County:	San Miguel		Filename:	M285-012	2b
User: LJ	W						

UNIT COSTS

Opening Description	Dimensions	Closure Method	Quantity	Unit	Unit Cost	Total Cost
Shaft Closure	6x6x6"	Shaft closure - concrete cap, poured-in-place (per Cubic Feet)	216.00	CF	\$19.53	\$4,218.48

Site: Si	unday Mine	Permit Action:	2022 Update	Permit	/Job#: <u>M1977285</u>
<u>OJECT</u>	DENTIFICAT	<u>ION</u>			
Task #:	013	State: Colorado		Abbreviation:	None
Date:	6/7/2022	County: San Miguel	_	Filename:	M285-013
User:	LJW	·			·

UNIT COSTS

Opening Description	Dimensions	Closure Method	Quantity	Unit	Unit Cost	Total Cost
Underground workings	12x15	Adit closure - bulkhead seal (per opening)	1.00	EA	\$5,246.60	\$5,246.60

Job Hours: 48.00 Total Cost: \$5,246.60

	Task description	n:	Rip (older)	vent shaft ro	oads					<u> </u>
Site	: Sunday Min	e		Permit Act	ion: 2024 U	Jpdate		Permit/Job#	: M197728	35
]	PROJECT ID	ENTIFIC	<u>ATION</u>							
	Date: 1	14 1/25/2024 JW	Sta	te: Colora San M					None M285-14	
	Agency	y or organiz	ation name:	DRMS						
]	HOURLY EQ	UIPMEN	ΓCOST							
_	Basic	Machine:	Cat D9T - 9	9SU		H	Horsepower:	40)5	
	Ripper A	ttachment:	3-Shank Ri	pper			Shift Basis: Data Source:		day	
(Cost Breakdown	:				L	out Source.	(61	(0)	
_		_			Ф0.50		tilization %			
		Ownersh	nip Cost/Hour	: <u></u>	\$253		NA 100	-		
	Dina	Operati	ng Cost/Hour nip Cost/Hour		#10		100 NA	_		
			ng Cost/Hour		Φ.0	.48	100	_		
	Кір		tor Cost/Hour		\$38		NA	=		
			nit Cost/Hour		\$484		1171	_		
			eet Cost/Hour		\$484.37	 ,				
		1000111		<u> </u>	41010					
ľ	MATERIAL (DUANTIT	TES	•	Selected estin	nating me	ethod: Area	9		
_	Alternate Method				defected estill	iating inc	mod. Area	<u>u</u>		<u> </u>
		<u>45.</u>								
Seismic:					me: NA		BCY	1.004	NA	DOW CC
Area:	1.18	acre	es	Rip Depth ((ft): 1.00		_ Volume:	1,904		BCY or CC
		Source of	f estimated qu	antity: Pe	rmit file					
]	HOURLY PR	ODUCTIO	<u>ON</u>							
9	Seismic:									
_			Seismic '	Velocity:	NA	1	feet/sec	cond		
,	Aran:									
<u>1</u>	Area:	A	verage Rippin	g Denth:	2.0	0	feet/pas	99		
			verage Rippin		7.6		feet/pas			
			erage Ripping		500.		feet/pas			
			Average Doze		88.0		feet/mi			
			erage Maneuv		0.2		minute			
			oduction per i		0.89		acres/h	•		
J	Job Condition Co	orrection Fa	ctors							
_	Ur	nadjusted H	ourly Unit Pro	oduction:	0.89)1	Acres/l	nr		
			Site	Altitude:	7,20	00	feet			
				ude Adj:	1.0		(CAT I	HB)		
				ficiency:	0.8		(1 shift			
				orrection:	0.8		multipl	• /		
			ısted Hourly U sted Hourly F			.74 . 74	Acres/hr Acres/hr			
<u>.</u>	JOB TIME AN	ND COST								
	Fleet size:	1	Grade	er(s)	Total j	ob time:		1.60	Hours	
	Unit cost:	\$655.32	27 Per ac	ere	Total i	ob cost:	:	\$773		

Task description:	Rip new vent shaft pads				
Site: Sunday Mine	Permit Action	: _2024 Updat	te P	ermit/Job#: M197	7285
PROJECT IDENTIFIC	CATION				
Task #: 015	State: Colorado		Abbrev	viation: None	
Date: 11/25/2024				ename: M285-15	
User: LJW	, <u></u>				
Agency or organ	ization name: DRMS				
HOURLY EQUIPMEN	NT COST				
Basic Machine	Cat D9T - 9SU		Horsepower:	405	
Ripper Attachment			Shift Basis:	1 per day	
11			Data Source:	(CRG)	
Cost Breakdown:			_		
<u> </u>			Utilization %		
Owner	ship Cost/Hour:	\$253.16	NA		
	ting Cost/Hour:	\$164.35	100		
	ship Cost/Hour:	\$18.79	NA		
	ting Cost/Hour:	\$9.48	100		
	ator Cost/Hour:	\$38.59	NA		
Total	Unit Cost/Hour:	\$484.37	•		
Total F	Tleet Cost/Hour: \$48	34.37			
	Bank Volume: res Rip Depth (ft):	NA 1.00		NA 2,017	BCY or CC
Source	of estimated quantity: <u>AM-2</u>	(approved in 2	2007)		
HOURLY PRODUCT	<u>ION</u>				
Seismic:					
	Seismic Velocity:	NA	feet/secon	nd	
Area:					
	Average Ripping Depth:	2.00	feet/pass		
	Average Ripping Width:		feet/pass		
A	Average Ripping Length:		feet/pass		
	Average Dozer Speed:	88.00	feet/minu		
Average Maneuver Time:		0.25	minutes/p		
I	Production per unit area:	0.891	acres/hou	r	
Job Condition Correction I	Factors .				
Unadjusted 1	Hourly Unit Production:	0.891	Acres/hr		
	Site Altitude:	7,200	feet		
	Altitude Adj:	1.00	(CAT HB		
	Job Efficiency:	0.83	(1 shift/da		
	Net Correction:	0.83	multiplier	•	
Adjusted Hourly Unit Production: _Adjusted Hourly Fleet Production: _		0.74	Acres/hr		
			Acres/hr		
JOB TIME AND COS	<u>r</u>				
Fleet size: 1	Grader(s)	Total job tir	me: 1.0	69 Ho	urs
Unit cost: \$655	327 Per acre	Total job co	net· \$8	19	

Task description:	Rip new vent shaft roads				
Site: Sunday Mine	Permit Action:	2024 Update	e Peri	mit/Job#: <u>M1977</u>	285
PROJECT IDENTIFI	<u>CATION</u>				
Task #: 016	State: Colorado		Abbrevia	tion: None	
Date: 11/25/2024		el	Filen		
User: LJW					
Agency or organ	nization name: DRMS				<u> </u>
HOURLY EQUIPME	NT COST				
Basic Machine	: Cat D9T - 9SU		Horsepower:	405	
Ripper Attachment	-		Shift Basis:	1 per day	
			Data Source:	(CRG)	_
Cost Breakdown:					
			Utilization %		
	ship Cost/Hour:	\$253.16	NA		
	ating Cost/Hour:	\$164.35	100		
	rship Cost/Hour:	\$18.79	NA		
	ating Cost/Hour:	\$9.48	100		
•	rator Cost/Hour:	\$38.59	NA		
Total	Unit Cost/Hour:	\$484.37			
Total l	Fleet Cost/Hour: \$484	1.37			
MATERIAL QUANTI Alternate Methods: Seismic: NA Area: 2.65 ac	Bank Volume: Rip Depth (ft):	NA 1.00	BCY Volume: 4,	NA 275	BCY or CC
Source	of estimated quantity: Amend	lment			_
HOURLY PRODUCT	• • •				_
	1011				
Seismic:	Seismic Velocity:	NA	feet/second		
	Seisime Velocity.	1171			
Area:	Average Dimning Denth.	2.00	foot/maga		
	Average Ripping Depth:		feet/pass feet/pass		
Average Ripping Width: Average Ripping Length:		7.67 500.00	feet/pass		
Average Dozer Speed:		88.00	feet/minute		
A	verage Maneuver Time:	0.25	minutes/pas	S	
	Production per unit area:	0.891	acres/hour		
Job Condition Correction	Factors				
Unadjusted	Hourly Unit Production:	0.891	Acres/hr		
	Site Altitude:	5,800	feet		
	Altitude Adj:	1.00	(CAT HB)		
	Job Efficiency:	0.83	(1 shift/day))	
	Net Correction:	0.83	multiplier		
Adjusted Hourly Unit Production: Adjusted Hourly Fleet Production:		0.74	Acres/hr		
		0.74	Acres/hr		
JOB TIME AND COS	<u>T</u>				
Fleet size: 1	Grader(s)	Total job tim	ne: 3.59	Hour	'S
Unit cost: \$655	327 Per acre	Total job co	et· \$1.73	7	

	Task description	n:	Rip (older) vent shaft pads						=
Site:	Sunday Min	ie		Permit Action:	2024 Update	<u> </u>	Permit/Job#:	M1977285	5
<u> </u>	PROJECT ID	ENTIFIC	ATION						
	Date: 1	17 1/25/2024 JW	State County		1			None M285-17	
	Agenc	y or organiz	ation name:	DRMS					
<u>I</u>	HOURLY EQ	UIPMEN'	Γ COST						
	Basic	Machine:	Cat D9T - 9S	SU		Horsepower:	40:	5	
	Ripper A	ttachment:	3-Shank Rip	per	_	Shift Basis: Data Source:	1 per		
C	Cost Breakdown	ı :				Data Source.	(Cit	<u> </u>	
_			· C //II		\$252.1 <i>6</i>	Utilization %			
		Ownersh	ng Cost/Hour:		016105	NA 100	_		
	Rin		nip Cost/Hour:		\$104.33	NA	_		
			ng Cost/Hour:		\$9.48	100	_		
	1		tor Cost/Hour:		\$38.59	NA	_		
		Total U	nit Cost/Hour:		\$484.37		_		
		Total Flo	eet Cost/Hour:	\$484.	.37				
_	MATERIAL (Alternate Metho NA			Bank Volume:	NA	method: Are		NA	-
Area:		acre		Rip Depth (ft):		Volume:			BCY or CC
		Source of		ntity: Permit f		oft nade)			
I	HOURLY PR		_	<u> 1 0111111 1</u>	ine (7 vent sne	ir pads)			
_		ODUCTIO	<u> </u>						
<u>3</u>	Seismic:		Seismic Vo	elocity:	NA	feet/se	cond		
Δ	Area:			-					
<u> </u>	<u>11 cu.</u>	A	verage Ripping	Depth:	2.00	feet/pa	SS		
			verage Ripping		7.67	feet/pa			
	Average Ripping Length:		500.00	feet/pa					
			Average Dozer		88.00	feet/mi			
			0.25	minute	-				
		Pr	oduction per un	iit area:	0.891	acres/h	our		
<u>J</u>	ob Condition C	orrection Fa	ctors						
	U	nadjusted H	ourly Unit Prod	luction:	0.891	Acres/	hr		
				ltitude:	7,200	feet			
				de Adj:	1.00	(CAT			
			Job Effi Net Com		0.83	(1 shift multip	• /		
			ljusted Hourly Unit Production: justed Hourly Fleet Production:		0.74 0.74	Acres/hr Acres/hr			
J	JOB TIME A	ND COST	-	-					
_	Fleet size:	1	Grader((s)	Total job tim	e:	1.69	Hours	
	Unit cost:	\$655.32	27 Per acre	e	Total job cos	st:	\$819		

BULLDOZER RIPPING WORK

	Task description	ı: _	Rip portal p	oad and d	ump are	eas				_
Site:	Sunday Min	e		Permit A	Action:	2024 Update	:	Permit/Job#	#: <u>M197728</u>	35
<u>P</u>	PROJECT IDI	ENTIFIC	ATION							
		8 1/25/2024 JW	Sta		lorado 1 Miguel			-	None M285-18	
	Agency	or organiz	ation name:	DRMS						
H	HOURLY EQ	UIPMEN'	ΓCOST							
_		Machine:	Cat D9T -	9SU			Horsepower:	40	05	
		tachment:				-	Shift Basis:	1 pe	r day	
							Data Source:	(Cl	RG)	
<u>C</u>	Cost Breakdown:					1	Utilization %			
		Ownersh	nip Cost/Hour	:		\$253.16	NA			
	ъ.	Operati	ng Cost/Hour	:		\$164.35	100	_		
			nip Cost/Hour ng Cost/Hour			\$18.79 \$9.48	NA 100	_		
	Tup.		tor Cost/Hour			\$38.59	NA	_		
		Total U	nit Cost/Hour	:		\$484.37				
		Total Flo	eet Cost/Hour	:	\$968.	73				
<u>N</u>	MATERIAL C	UANTIT	<u>TES</u>		Select	ed estimating	method: Are	ea		_
<u>A</u>	Alternate Method	<u>ls:</u>								
Seismic:	NA			Bank Vo			BCY		NA	
Area:	6.00	acre	es	Rip Dep	th (ft):	1.00	Volume:	9,680		BCY or CC
		Source of	f estimated qu	antity: _	Permit f	ile				
<u>H</u>	HOURLY PRO	DUCTIO	<u>ON</u>							
<u>S</u>	eismic:									
			Seismic	Velocity:		NA	feet/se	cond		
<u>A</u>	rea:									
			verage Rippin verage Rippin			7.67	feet/pa feet/pa			
			erage Ripping		-	500.00	feet/pa			
			Average Doz			88.00	feet/m			
			erage Maneuv			0.25	minute			
			oduction per			0.891	acres/l	•		
Jo	ob Condition Co	rrection Fa	ctors							
	Un	adjusted H	ourly Unit Pr	oduction:		0.891	Acres/	'hr		
			•	Altitude:		5,800	feet			
				tude Adj:	-	1.00	(CAT	HB)		
			Job Et	fficiency:		0.83	(1 shif	t/day)		
			Net Co	orrection:		0.83	multip	lier		
			sted Hourly I sted Hourly F			0.74 1.48	Acres/hr Acres/hr			
<u>J</u>	OB TIME AN	D COST								
	Fleet size:	2	Grade	er(s)		Total job tim	e:	4.06	Hours	
	Unit cost:	\$655.32	27 Per ac	ere		Total job cos	st:	\$3,932		

Task description:	Grade new vent shaft roads			
e: Sunday Mine	Permit Action:	2024 Update	Permit/Jo	b#: <u>M1977285</u>
PROJECT IDENTIFIC	<u>CATION</u>			
Task #: 019 Date: 11/25/2024 User: LJW	State: Colorado County: San Migue	el	Abbreviation: Filename:	None M285-19
Agency or organ	ization name: DRMS			
HOURLY EQUIPMEN	NT COST			
	D9T - 9SU	<u></u>		
Horsepower: 405		<u> </u>		
	ni-Universal	<u> </u>		
	nank ripper	_		
Shift Basis: 1 per Data Source: (CR	er day .G)	<u> </u>		
Cost Breakdown:	,	_		
		<u>Utilization %</u>		
Ownership Cost/Hour:	\$253.16	NA 100		
Operating Cost/Hour:	\$164.35	100		
Ripper own. Cost/Hour:	\$18.79	NA		
Ripper op. Cost/Hour:	\$0.00	0		
Operator Cost/Hour:	\$38.59	NA		
MATERIAL QUANTI Initial Volume: 2,133 Swell factor: 1.000	3			
Loose volume: 2,138	3 LCY			
Source of estimated volu Source of estimated swel factor:		ion, Mining & Safety		
HOURLY PRODUCT	ION			
Average push distance:	50 feet			
Unadjusted hourly production:	2,110.5 LCY/hr			
Materials consistency des	scription: Loose stockpile 1.2			
Average push gradient:	0 %			
Average site altitude:	5,800 feet			
Material weight:	2,650 lbs/LCY			
Weight description:	Decomposed rock - 25% Rock	x, 75% Earth		
Job Condition Correction I Operator S		Source (AVG.)		

Material consistency:	1.200	(CAT HB)
Dozing method:	1.000	(GEN.)
Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.700	(FND-MF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.868	(CAT HB)
Blade type:	1.000	(PAT)

Adjusted unit production:

Adjusted fleet production:

957.96 LCY/hr

957.96 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.496/LCY

Total job time: 2.23 Hours
Total job cost: \$1,060

Task description:	Grade (older) vent shaft roads			
: Sunday Mine	Permit Action:	2024 Update	Permit/Jol	b#: <u>M1977285</u>
<u>PROJECT IDENTIFI</u>	<u>CATION</u>			
Task #: 020	State: Colorado		Abbreviation:	None
Date: 11/25/2024	County: San Miguel		Filename:	M285-020
User: LJW				
Agency or organ	nization name: DRMS			
HOURLY EQUIPME	NT COST			
	t D9T - 9SU			
Horsepower: 405				
• • • • • • • • • • • • • • • • • • • •	ni-Universal			
	hank ripper			
	er day			
Data Source: (CI	RG)			
Cost Breakdown:				
		<u>Utilization %</u>		
Ownership Cost/Hour:	\$253.16	NA		
Operating Cost/Hour:	\$164.35	100		
Ripper own. Cost/Hour:	\$18.79	NA		
Ripper op. Cost/Hour:	\$0.00	0		
Operator Cost/Hour:	\$38.59	NA		
Total unit Cost/Hour:	\$474.89			
Total Fleet Cost/Hour:	\$474.89			
MATERIAL QUANTI	ITIEC			
<u>MATERIAL QUANTI</u>	<u>IIIES</u>			
Initial Volume: 952				
Swell factor: 1.00				
Loose volume: 952	LCY			
Source of estimated volu	me: Division of Reclamation	n, Mining & Safety		
Source of estimated swe		· · · · · · · · · · · · · · · · · · ·		
factor:				
				
HOURLY PRODUCT	ION			
Average push distance:	50 feet	<u> </u>		
Unadjusted hourly production:	2,110.5 LCY/hr			
production.				
Materials consistency de	escription: Loose stockpile 1.2			
Average push	5 %			
gradient:				
Average site altitude:	5,800 feet			
Material weight:	2,650 lbs/LCY		<u> </u>	
Weight description:	Decomposed rock - 25% Rock, 7	75% Earth		
Job Condition Correction		Source		
Operator	Skill: 0.750	(AVG.)		

Material consistency:	1.200	(CAT HB)
Dozing method:	1.000	(GEN.)
Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.700	(FND-MF)
Push gradient:	0.903	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.868	(CAT HB)
Blade type:	1.000	(PAT)

Adjusted unit production:

Adjusted fleet production:

865.09 LCY/hr

865.09 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.549/LCY

Total job time: 1.10 Hours
Total job cost: \$523

Task description:	Grade (older) vo	ent shaft pads			
te: Sunday Mine	Pe	rmit Action: 2	024 Update	Permit/Jo	b#: <u>M1977285</u>
PROJECT IDENTIFICATION	<u>CATION</u>				
Task #: 021 Date: 11/25/2024 User: LJW	State: County:	Colorado San Miguel		Abbreviation: Filename:	None M285-21
Agency or organ	ization name:DI	RMS			
HOURLY EQUIPME	NT COST				
Horsepower: 405 Blade Type: Ser Attachment: 3-s Shift Basis: 1 p	i D9T - 9SU ini-Universal hank ripper er day RG)				
Cost Breakdown:					
Ownership Cost/Hour: Operating Cost/Hour:		\$253.16 \$164.35	Utilization % NA 100		
Ripper own.		\$18.79	NA		
Cost/Hour: Ripper op. Cost/Hour:		\$0.00	0		
Operator Cost/Hour:		\$38.59	NA		
Initial Volume: 1,21 Swell factor: 1.00 Loose volume: 1,21 Source of estimated volumes of estimated swe factor:	0 0 0 LCY ume: Division		Mining & Safety		
HOURLY PRODUCT	<u>ION</u>				
Average push distance: Unadjusted hourly production:	50 feet 2,110.5 LC	Y/hr	-		
Materials consistency de	scription: Loose	stockpile 1.2			
Average push gradient:	5 %				
Average site altitude:	5,800 feet				
Material weight:	2,650 lbs/LCY			<u> </u>	
Weight description:	Decomposed rock	- 25% Rock, 75	5% Earth		
Job Condition Correction : Operator S		750	Source (AVG.)		

Material consistency:	1.200	(CAT HB)
Dozing method:	1.000	(GEN.)
Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.700	(FND-MF)
Push gradient:	0.903	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.868	(CAT HB)
Blade type:	1.000	(PAT)

Adjusted unit production:

Adjusted fleet production:

865.09 LCY/hr

865.09 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.549/LCY

Total job time: 1.40 Hours
Total job cost: \$664

Task description:	Grade (older) ve	ent shaft pads	S			
e: Sunday Mine	Pe	rmit Action:	2024 Update	Permit/Job#: _M197728		
PROJECT IDENTIFI	<u>CATION</u>					
Task #: 022 Date: 11/25/2024 User: LJW	State: County:	Colorado San Miguel		Abbreviation: Filename:	None M285-22	
Agency or organ	ization name:DI	RMS				
HOURLY EQUIPME	NT COST					
Horsepower: 405 Blade Type: Ser Attachment: 3-s Shift Basis: 1 p	D9T - 9SU ni-Universal hank ripper er day		- - - -			
Cost Breakdown:		1	TT/:1: - 4: 0/			
Ownership Cost/Hour:		\$253.16	<u>Utilization %</u> NA			
Operating Cost/Hour:		\$164.35	100			
Ripper own. Cost/Hour:		\$18.79	NA			
Ripper op. Cost/Hour:		\$0.00	0			
Operator Cost/Hour:	-	\$38.59	NA			
MATERIAL QUANTI Initial Volume: 1,21 Swell factor: 1.00 Loose volume: 1,21 Source of estimated volus Source of estimated swe factor:	0 0 0 LCY me: Division		on, Mining & Safety			
HOURLY PRODUCT	<u>ION</u>					
Average push distance:	50 feet					
Unadjusted hourly production:	2,110.5 LC	CY/hr				
Materials consistency de	scription: Loose	stockpile 1.2				
Average push gradient:	5 %					
Average site altitude:	5,800 feet					
Material weight:	2,650 lbs/LCY					
Weight description:	Decomposed rock	x - 25% Rock,	75% Earth			
Job Condition Correction 1 Operator S		750	Source (AVG.)			

Material consistency:	1.200	(CAT HB)
Dozing method:	1.000	(GEN.)
Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.700	(FND-MF)
Push gradient:	0.903	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.868	(CAT HB)
Blade type:	1.000	(PAT)

Adjusted unit production:

Adjusted fleet production:

865.09 LCY/hr

865.09 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.549/LCY

Total job time: 1.40 Hours
Total job cost: \$664

Task description:	Spread topsoil on pad			
e: Sunday Mine	Permit Action:	2024 Update	Permit/Jo	b#: <u>M1977285</u>
PROJECT IDENTIFIC	<u>ATION</u>			
Task #: 023 Date: 11/25/2024 User: LJW	State: Colorado County: San Migue	<u>.l</u>	Abbreviation: Filename:	None M285-23
Agency or organiz	zation name: DRMS			
HOURLY EQUIPMEN	T COST			
	09T - 9SU	<u> </u>		
Horsepower: 405		_		
• • • • • • • • • • • • • • • • • • • •	i-Universal	_		
	ank ripper	<u> </u>		
Shift Basis: 1 per Data Source: (CRO		_		
	J)	_		
Cost Breakdown:	ı			
0 11 0 177	22.72.15	<u>Utilization %</u>		
Ownership Cost/Hour:	\$253.16	NA 100		
Operating Cost/Hour:	\$164.35	100		
Ripper own. Cost/Hour:	\$18.79	NA		
Ripper op. Cost/Hour:	\$0.00	0		
Operator Cost/Hour:	\$38.59	NA		
operator costribui: _	ψ30.37	INA		
Total unit Cost/Hour:	\$474.89			
Total Fleet Cost/Hour:	\$474.89			
MATERIAL QUANTIT	TIES			
Initial Volume: 1,555				
Swell factor: 1.000	T. 077			
Loose volume: 1,555	LCY			
Source of estimated volun	ne: Division of Reclamati	ion, Mining & Safety		
Source of estimated swell	Cat Handbook			
factor:				
HOURLY PRODUCTION	<u>ON</u>			
	50 feet			
Average push distance: Unadjusted hourly	2,110.5 LCY/hr			
production:	2,110.3 LC 1/III			
production.	-			
Materials consistency desc	eription: Loose stockpile 1.2			
Average push	0 %			
gradient:	U / U			
Average site altitude:	5,800 feet			
Material weight:	2,550 lbs/LCY			
Weight description:	Earth - Dry packed			
Job Condition Correction Fa	actor_	Source		
Operator Sl		(AVG.)		

Material consistency:	1.200	(CAT HB)
Dozing method:	1.000	(GEN.)
Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Adjusted unit production:

Adjusted fleet production:

1,137.56 LCY/hr

1137.56 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.417/LCY

Total job time: 1.37 Hours
Total job cost: \$649

WHEEL LOADER – LOAD AND CARRY WORK

Task description:	Haul low grade ore underg	round		
e: Sunday Mine	Permit Action	: 2024 Update	Permit/Jo	ob#: <u>M1977285</u>
PROJECT IDENTIFIC	<u>ATION</u>			
Task #: 024	State: Colorado		Abbreviation:	None
Date: 11/25/2024	County: San Migu	el	Filename:	M285-24
User: LJW				
Agency or organiz	ation name: DRMS			
HOURLY EQUIPMEN	<u>Γ COST</u>			
Basic Machine: C	CAT 924H		Horsepower:	128
Attachment 1: R	OPS Cab		-	per day
			Data Source:	(CRG)
Cost Breakdown:				
COST BITANIA III		Utilization %		
Ownership Cost/Ho	ur: \$26.01	NA		
Operating Cost/Ho	ur: \$24.90	100		
Operator Cost/Ho		NA	_	
Total Unit Cost/Ho	ur: \$87.76			
Total Fleet Cost/Ho	our: \$175.53			
Initial volume: 71, Loose volume:	666 CCY 71,666 LCY	Swell factor	or: 1.000	
	estimated volume: Division atted swell factor: Cat Han		Mining & Safety	
HOURLY PRODUCTION		uoook		
Loader Cycle Time:	Unadjusted Basic	Cycle Time (load	dump	minutes
	Ondajasted Basic		0.475 neuver):	iiiiiates
Cycle Time Factors			Factor (min.)	Source
Material:			0.020	(Cat HB)
Stockpile:	Conveyor or dozer piled 1 0.01	0 ft. high or less	0.010	(Cat HB)
Truck Ownership:		cks and loaders -	-0.040	(Cat HB)
Operation:			-0.040	(Cat HB)
Dump Target:	Nominal target 0.00		0.000	(Cat HB)
		le Time Adjustm		minutes
	Adjust	ed Basic Cycle Ti	me: 0.425	minutes
Rolling Resistance – Road C	Conditions			
-			1.1.1.2.0	
Haul:	Hard, smooth, stabilized, sur			
Return:	Hard, smooth, stabilized, sur	raced, watered, m	naintained 2.0	
Haul and Return Time				

	Length (feet)	Grade Res. (%)	Rolling Res. (%)	Total Res.	Travel Time (minutes)	Source
Haul Route:	1000	0.00	2.00	2.00	0.4931	(Cat HB)
Return Route:	1000	0.00	2.00	2.00	0.4931	(Cat HB)

Total Travel Time: 0.9862 minutes
Total Cycle Time: 1.4112 minutes

Load Bucket Capacity

Rated Capacity: 2.70 LCY (heaped)

Bucket Fill Factor: 1.000 Rock - Well Blasted (95%-105%) 1.000

Adjusted Capacity: 2.70 LCY

Job Condition Correction Factors

Site Altitude: 5800 feet

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

Unadjusted Hourly Unit Production: 114.80 LCY/Hour Adjusted Hourly Unit Production: 95.28 LCY/Hour Adjusted Hourly Fleet Production: 190.56 LCY/Hour

JOB TIME AND COST

Fleet size:	2	Loader(s)	Total job time:	376.08	Hours
Unit cost:	\$0.921	/LCY	Total job cost:	\$66,013	

HYDRAULIC EXCAVATOR WORK

Task description:	Remove	Operatio	nal Soils f	rom lined ore p	ad, fold up lin	er	
e: Sunday Mine		Pern	nit Action:	2024 Update		Permit/Job	#: <u>M1977285</u>
PROJECT IDENTI	FICATION						
Task #: 025A Date: 11/25/20 User: LJW	024 (State: _ County: _	Colorado San Migu	el		reviation: _ Filename: _	None M285-25a
Agency or org	ganization nan	ne: DRN	MS				
HOURLY EQUIPM	IENT COST						
Basic Machine: Attachment 1:			tick	,	Horsepower: Weight (MT): Shift Basis: Data Source:	24 1 pe	94 1.85 er day RG)
Cost Breakdown:			1				
Ownership Cos Operating Cos Operator Cos Total Unit Cos	st/Hour:	\$281.20 \$202.66 \$33.87 \$517.73	8	Utilization % NA 100 NA			
Total Fleet Co	ost/Hour:	\$517.7	15				
MATERIAL QUAN Initial volume: Loose volume:	355 399		CCY LCY	Swell fact			
	e of estimated estimated swe	-	80' x 80 Cat Han	' ore pad, 1.5' de dbook	eep / 27= 355C	Y	
HOURLY PRODUC	CTION						
Excavator Cycle Time ((load bucket, s	wing load	ed, dump l	oucket, swing em	npty):		
	G 1 -			ondition Descript			
	Secondary	Job Cond	ntion with	in Basic Descript Cycle Time Va		AGE	minutes
Load Bucket Capacity							
Rated Capac	sity: 2	.98	LCY (he	aned)	Bucket Size (Class: <u>Lar</u>	ge
Bucket Fill Fac Adjusted Capac	etor: 0.	925		aterial - 1/8" to 3	3/8" (90 - 95%)	0.925	
Job Condition Correction	on Factors			Sit	e Altitude: <u>580</u>	0 feet	
Altitude Adj: Job Efficiency: Net Correction: Ui	0.83	rly Unit Pı	Source (CAT H) (1 shift/d: multiplier	B) ay)	LCY/Hou		
	Adjusted Hou Adjusted Hou	rly Unit Pı	roduction:	468.51 468.51	LCY/Hour	•	
JOB TIME AND CO	<u>OST</u>						
Fleet size:	1	Excavator	· To	otal job time:	0.8	5	Hours
				Total job cost:	\$44		

TRUCK/LOADER TEAM WORK

ite: Sunday Mine		Perm	nit Actio	on: <u>2024 Upda</u>	ate	Permit/Job	o#: <u>M197</u>	77285
	<u> </u>		Colorad San Mig		Ab	breviation: Filename:	None M285-25	īb
User: <u>LJW</u>	organization nar	ne: DRM	10					
			/13					
HOURLY EQUI	PMENT COST	· -				sis: 1 per day	<u>Y</u>	
	ruck Loader Tea	Tenrale		quipment Descr	iption			<u></u>
1	Tuck Loader Tea	-Loader:		24D L 9'-8" St	ick			
Supp	ort Equipment -L	oad Area:	NA					
		ımp Area:	NA					
Road M	aintenance –Mote	or Grader: ter Truck:	NA NA					
	****	ter Truck.	1121					
Cost Breakdown:	Truck/Loa	der Team		Support	Equipment	Maiı	ntenance E	
	Truck	Excavato	or	Load Area	Dump Area	Motor Grader	Wat	ter Truck
Utilization-machine:	100		100	NA	NA	1	NA	N/
Ownership cost/hour:	\$11.22	\$28	1.20	NA	NA	1	NA	N
Operating cost/hour:	\$29.74	\$20	2.68	NA	NA		NA	N
%Utilization-riper:	NA		0	NA	NA		NA	NA
ipper own. cost/hour:	NA		0.00	NA	NA		NA	N/
Ripper op. cost/hour:	NA		0.00	NA	NA		NA	N/
Operator cost/hour:	\$25.24		3.87	NA	NA		NA NA	NA
Unit Subtotals:	\$66.20	\$51	7.75	NA	NA	1	NA O	N/
Number of Units:	<u>1</u>	Φ502.05	1	0	0	3.6	0	<u> </u>
Group Subtotals:	Work:	\$583.95		Support:	\$0.00	Ma	int: \$0.0	00
Total work team cos	t/hour: \$583.95							
MATERIAL OIL	ANTITUE							
MATERIAL QU								
Initial volume			CCY	Swell	factor: 1.215			
Loose volume			LCY					
	urce of estimated of estimated swe	_		and folded PV	C Liner			
Source	Material Purch	_	\$0.00	ilidook				
	To	tal Cost:	\$0.00					

HOURLY PRO	<u>DUCTION</u>							
Truck Capacity:								
Truck Payload (weight				D 1 /I OX	7			
Material v	weight: <u>1,600</u>			_ Pounds/LCY				
Descri	ription: Top So	oil						

Truck/Loader Worksheet Cont	t'd	Task #	# 025B			Page 2 of	4
Payload Capacity: _	7.76		LCY				
Truck Bed (volume) Basis: Struck Volume: Heaped Volume: Average Volume: Adjusted Volume:	2.00 4.00 3.00 4.00	LCY LCY LCY LCY					
_		Based on Nun	nher of Load	ler Passes:	2.68	LCY	
Loading Tool Capacity	ruck vorume	Based on Ivan	ioci oi Loac	ici i asses.	2.00	LC1	
				Buck	xet Size Class:	Large	
Rated Capacity:	2.980	LCY (he	eaped)				
Bucket Fill Factor:	0.900		cemented ma	aterials (8	35 - 95%) 0.900		
Adjusted Capacity:	2.682	LCY		·	·		
Job Condition Corrections:			Site Al	titude (ft.):	5800 feet		
our condition corrections.	Tunal	Loada	1	. ,			
Altitude Adj:	1.000	Loade 1.000		Source (CAT HI			
Job Efficiency:	0.830	0.830		(CAT H	·		
too Efficiency.	0.050	0.030		(CIII III	3)		
Net Correction:	0.830	0.830)				
Loading Tool Cycle Time:		Number of Lo	ading Tool	Passes Req		1	passes
Excavators and Front Shovels	<u>::</u>				Truck:		
Machine Cycle Time vs.			VERAGE				
Selected Value w	ithin this Bas	ic Rating: A	VERAGE				
Track Loaders – N	Material Desc	ription:					
Cycle Time Elements (min.):							
Load: NA		Maneuver: N	ĪΑ	_	Dump: 0.1	00	
Wheel and Track	Loaders - Un	adjusted Basic	Loader Cy	`	oad, dump, naneuver):	NA min	utes
Cycle Time Factors					Factor (min.)	Source	
Material:	NA				NA	(Cat HB)	
Stockpile:	NA				NA	(Cat HB)	
Truck Ownership:	NA				NA	(Cat HB)	_
Operation:	NA				NA	(Cat HB)	_
Dump Target:	NA		1 77' 4 1	•	NA	(Cat HB)	_
			cle Time Ad		NA 0.202	minutes	
		•	l Loader Cy Load Time p		0.293 0.100	minutes minutes	
		Net I	oau Time p	ci iiuck.	0.100	minutes	
Truck Cycle Time:							
Truck Exchange Time:	0.50	Minutes		Adjusted	for site altitude:	0.500	Minutes
Truck Load Time:		— Minutes		•	for site altitude:	0.100	_ Minutes
Truck Maneuver and Dump		Minutes		•	for site altitude:	0.800	Minutes
Time:		1411114168		Aujusted	ioi site aintude.	0.000	williates

<u>Truck Travel (Haul & Return) Time:</u> <u>penetration 4.0</u>

Road Condition: Rutted dirt, little maintenance, no water, 1" tire

Task # 025B

TT 1	-	
Haul	יייי	uta.
Hau	INO	uic.

Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	850.00	0.00	4.00	4.00	2665	0.391

				Haul Time:	0.391	minutes
Return Ro	ute:					
Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	850.00	0.00	4.00	4.00	2849	0.325

Return Time: 0.325
Total Truck Cycle Time: 2.116 minutes minutes

Loading Tool unit Production Truck Unit Production	268.20	LCY/Hour	Adjusted for job effi	ciency:	222.61	_ LCY/Hour
	76.05	LCY/Hour	Adjusted for job effi	ciency:	63.12	_ LCY/Hour
Optimal No. of Trucks:	4	Truck(s)	Selected Number of	Trucks:	1	_ Truck(s)
	A	Adjusted single truck	ly truck team production: k/loader team production: k/loader team production:	63.12 63.12 63.12	LCY/I LCY/I LCY/I	Hour

JOB TIME AND COST

Fleet size:	1	_ Team(s)	Total job time:	1.44	Hours
Unit cost:	\$9.251	/LCY	Total job cost:	\$843	

Task description:	Grade out material from	deconstructed ore pad		
e: Sunday Mine	Permit Actio	on: 2024 Update	Permit/Jo	b#: <u>M1977285</u>
PROJECT IDENTIFIC	CATION			
Task #: 025C Date: 11/25/2024 User: LJW	State: Colorad		Abbreviation: Filename:	None M285-25c
Agency or organ	ization name: DRMS			
HOURLY EQUIPMEN	NT COST			
Horsepower: 405 Blade Type: Ser Attachment: 3-si	ni-Universal nank ripper er day			
Cost Breakdown:				
Ownership Cost/Hour: Operating Cost/Hour:	\$253.16 \$164.35			
Ripper own.	\$18.79			
Cost/Hour: Ripper op. Cost/Hour:	\$0.00			
Operator Cost/Hour:	\$38.59) NA		
Initial Volume: 481 Swell factor: 1.06 Loose volume: 510 Source of estimated volus Source of estimated swelfactor:	0 LCY me: Pad underlayment	and operational soils		
HOURLY PRODUCT	ION			
Average push distance:	50 feet			
Unadjusted hourly production:	2,110.5 LCY/hr			
Materials consistency de	scription: Dry, non-cohesiv	ve 0.8		
Average push gradient:	0 %			
Average site altitude:	5,800 feet			
Material weight:	2,550 lbs/LCY			
Weight description:	Gravel - Dry			
Job Condition Correction Department S		Source (AVG.)		

Material consistency:	0.800	(CAT HB)
Dozing method:	1.000	(GEN.)
Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.700	(FND-MF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Adjusted unit production:

Adjusted fleet production:

663.54 LCY/hr

663.54 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.716/LCY

Total job time: 0.77 Hours
Total job cost: \$365

REVEGETATION WORK

: Sur	nday Mine	Permit Action: 2024 Update Permit/Job#:		#: <u>M197728</u> :		
<u>PROJ</u>	ECT IDENTIFICAT	<u>ION</u>				
	sk #: 026		olorado		Abbreviation:	None
	Date: 11/25/2024 User: LJW	County: S	an Miguel		_ Filename: _	M285-26
	Agency or organization	on name: <u>DRMS</u>	S			
ERT	ILIZING					
<u> </u>	als		TI .*4 /			
Des	scription		Units / Acre	Unit	Cost / Unit	Cost /Acre
					\$	\$
					Total Fertilizer Materials Cost/Acre	
Applic	ation					Cost /Acre
	, pro-					\$
			Total	Fertilizer A	application Cost/Acre	
	<u>ING</u>					
ΓILLI						Cost /Acre
	scription					\$117.61
Des	scription c harrowing, 6" deep (M					
Des						\$338.80

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Blue Grama - Native	0.96	15.67	\$20.47
Indian Ricegrass - Native	7.42	24.02	\$128.31
Sand Dropseed	0.14	16.71	\$1.82
Bottlebrush Squirreltail	4.08	17.98	\$103.65
Galleta	4.94	18.03	\$273.86
Muttongrass	0.20	4.13	\$9.53
Sagebrush, Mountain or Big	0.20	10.56	\$16.54
Saltbush, Four Wing	0.50	0.69	\$9.94
Winter Fat	0.50	1.27	\$23.36

\$272.56

	Totals Seed Mix	18.94	109.07	\$587.48
Application				
Description				Cost /Acre
Broadcast seeding [DMG]				\$272.56

Total Seed Application Cost/Acre

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 Stoc	ek Cost / Acre	\$0.00

JOB TIME AND COST

 No. of Acres:
 2.4
 Cost /Acre:
 \$1,316.45

 Estimated Failure Rate:
 50%
 Cost /Acre*:
 \$1,316.45

*Selected Replanting Work Items: TILLING,SEEDING

Initial Job Cost: \$3,159.48

Reseeding Job Cost: \$1,579.74

Total Job Cost: \$4,739

3.00

REVEGETATION WORK

Sunday Mine		Action: 2024			#: <u>M1977285</u>
PROJECT IDENTIF	<u>ICATION</u>				
Task #: 027	State: Co	olorado		Abbreviation:	None
Date: 11/25/202 User: LJW	County: Sa	n Miguel		Filename:	M285-027
·	nization name: DRMS	<u> </u>			
<u> </u>					
<u> </u>					
Description		Units / Acre	Unit	Cost / Unit	Cost /Acre
				\$	\$
				Total Fertilizer Materials Cost/Acre	
application					
Description					Cost /Acre
					\$
		Total	Fertilizer A	pplication Cost/Acre	\$0.00
<u> TILLING</u>					
					Cost /Acre
Description	ep (MEANS 32 91 13.23	6100)			Cost /Acre \$117.61
Description Disc harrowing, 6" de	pep (MEANS 32 91 13.23 g (MEANS 31 31 16.13 3	6100)			Cost /Acre \$117.61 \$338.80

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Blue Grama - Native	0.96	15.67	\$20.47
Indian Ricegrass - Native	7.42	24.02	\$128.31
Sand Dropseed	0.14	16.71	\$1.82
Bottlebrush Squirreltail	4.08	17.98	\$103.65
Galleta	4.94	18.03	\$273.86
Muttongrass	0.20	4.13	\$9.53
Sagebrush, Mountain or Big	0.20	10.56	\$16.54
Saltbush, Four Wing	0.50	0.69	\$9.94
Winter Fat	0.50	1.27	\$23.36

\$272.56

Totals Seed Mix	18.94	109.07	\$587.48
			Cost /Acre
			\$272.56
	Totals Seed Mix	Totals Seed Mix 18.94	Totals Seed Mix 18.94 109.07

Total Seed Application Cost/Acre

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 Stoc	k Cost / Acre	\$0.00

JOB TIME AND COST

 No. of Acres:
 3.9
 Cost /Acre:
 \$1,316.45

 Estimated Failure Rate:
 50%
 Cost /Acre*:
 \$1,316.45

*Selected Replanting Work Items: TILLING,SEEDING

Initial Job Cost: \$5,134.16

Reseeding Job Cost: \$2,567.08

Total Job Cost: \$7,701

16.00

REVEGETATION WORK

: _	Sunday Mine	ay Mine Permit Action: 2024 Update Permit/Job#:			: <u>M1977285</u>	
ΡF	ROJECT IDENTIFIC	CATION				
	Task #: 028	State:	Colorado		Abbreviation:	None
	Date: 11/25/2024 User: LJW	County:	San Miguel		Filename:	M285-28
	Agency or organi	zation name: DRM	MS .			
F	ERTILIZING					
Ma	aterials		TT .*4 /			
	Description		Units / Acre	Unit	Cost / Unit	Cost /Acre
					\$	\$
					Total Fertilizer Materials Cost/Acre	\$0.00
Aр	oplication Description					Cost /Acre
	Description					
			Total	Fertilizer A	Application Cost/Acre	\$0.00
ΓI	LLING					
	Description					Cost /Acre
	Disc harrowing, 6" deep	(MEANS 32 91 13.2	23 6100)			\$117.61
	Weed control spraying	(MEANS 31 31 16.13	3 3100)			\$338.80
					otal Tilling Cost/Acre	

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Blue Grama - Native	0.96	15.67	\$20.47
Indian Ricegrass - Native	7.42	24.02	\$128.31
Sand Dropseed	0.14	16.71	\$1.82
Bottlebrush Squirreltail	4.08	17.98	\$103.65
Galleta	4.94	18.03	\$273.86
Muttongrass	0.20	4.13	\$9.53
Sagebrush, Mountain or Big	0.20	10.56	\$16.54
Saltbush, Four Wing	0.50	0.69	\$9.94
Winter Fat	0.50	1.27	\$23.36

\$272.56

	Totals Seed Mix	18.94	109.07	\$587.48
pplication				
Description				Cost /Acre
Broadcast seeding [DMG]				\$272.56
Zionatani stramg [Ziito]				<i>\$2,260</i>

Total Seed Application Cost/Acre

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 Stoc	k Cost / Acre	\$0.00

JOB TIME AND COST

 No. of Acres:
 33
 Cost /Acre:
 \$1,316.45

 Estimated Failure Rate:
 50%
 Cost /Acre*:
 \$1,316.45

*Selected Replanting Work Items: TILLING,SEEDING

Initial Job Cost: \$43,442.85

Reseeding Job Cost: \$21,721.43

Total Job Cost: \$65,164

36.00

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description:	Haul reclamat	ion equipmen	t to and from site		
ite: Sunday Mine	I	Permit Action:	2024 Update	Permit/Jo	b#: M1977285
PROJECT IDENTIF	FICATION				
Task #: 029 Date: 11/25/20 User: LJW	State County		1	Abbreviation: Filename:	None M285-029
Agency or org	anization name:I	ORMS			
EQUIPMENT TRAN	NSPORT RIC CO	NCT			
			C		1 per day CRG Data
Truck Trac	tor Description:	GENERIC ON		ICK TRACTOR, 6X4, (2ND HALF, 2006)	DIESEL POWERED,
Truck Trai	ller Description:	GENERIC	FOLDING GOO	SENECK, DROP DEC (25T, 50T, AND 100T)	•
Cost Breakdown:					
Available Rig Capaci	ties 0-25 To	ns 26-50	Tons 51+	Tons	
Ownership Cost	/Hour: \$10.44	\$22	2.18 \$2	3.94	
Operating Cost	/Hour: \$26.48	\$54	1.55 \$5	5.65	
Operator Cost	/Hour: \$22.52	\$22	2.52 \$2	2.52	
Helper Cost	/Hour: \$0.00	\$23	2 53 \$2	3 53	

NON ROADABLE EQUIPMENT:

Total Unit Cost/Hour:

\$59.44

Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return Trip	DOT Permit
Description	Unit	Cost/hr/ unit	Cost/hr/uni	Size	Cost/hr/	Cost/hr/ fleet	Cost/ fleet
	(TONS)		t		fleet		
Cat D9T - 9SU	60.01	\$253.16	\$125.64	2	\$757.60	\$251.28	\$250.00
Cat 324D L 9'-8"	27.33	\$281.20	\$122.78	1	\$403.98	\$122.78	\$250.00
Stick							
CAT 924H	12.69	\$26.01	\$59.44	2	\$170.90	\$118.88	\$250.00

\$122.78

\$125.64

Subtotals: \$1,332.48 \$492.94 \$750.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Drill/Broadcast Seeder with	\$79.16	1	\$79.16	\$79.16
Tractor				
Power Mulcher (Bowie LD-90)	\$58.47	1	\$58.47	\$58.47
Light Duty Pickup, 4x4, 3/4 T.	\$13.77	1	\$13.77	\$13.77
Generic 8-10 cy, 6x4	\$90.77	1	\$90.77	\$90.77
Generic 2-4 cy, 4x2	\$66.20	2	\$132.40	\$132.40

Subtotals: \$374.57 \$374.57

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: **NATURITA** Total one-way travel distance: 40.00 miles 50.00 Average Travel Speed: mph

> Total Non-Roadable Mob/Demob Cost * \$12,415.55 '* two round trips with haul rig: Total Roadable Mob/Demob Cost ** \$599.31

** one round trip, no haul rig:

<u>Transportation Cycle Time:</u>

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	0.80	0.80
Return Time (Hours):	0.80	0.80
Loading Time (Hours):	1.50	NA
Unloading Time (Hours):	1.50	NA
Subtotals:	4.60	1.60

JOB TIME AND COST

Total job time: ___ 9.20 Hours Total job cost: \$13,015