

January 13, 2025

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

#### Re: West Sunday - File No. M-1981-021 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 \$126,940.00, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of \$41,904.00.

Regular Surety Increase based on Inspection 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:	\$85,036.00
Prior Liability:	\$85,036.00



Change in Liability:	\$41,904.00
Revised Liability:	\$126,940.00
Prior Permit Acreage:	191.96
Change in Permit Acreage:	0.00
Revised Permit Acreage:	191.96
Prior Affected Acreage:	20.00
Change in Affected Acreage:	0.00
Revised Affected Acreage:	20.00

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

Sincerely,

agn

Lucas J. West Environmental Protection Specialist

cc: George E. Glasier

M-GR-04

# COST SUMMARY WORK

Task descrip	tion:	Cost Summary				
Site: West Sun	day	Per	rmit Action: 2024 Update	Permit/Job	#: <u>M1981021</u>	
PROJECT Task #: Date: User:	12/3/2024	ATION State: County:	Colorado San Miguel		None M021-000	

Agency or organization name: DRMS

# TASK LIST (DIRECT COSTS)

Taul		Form	Fleet	Task	
Task	Description	Used	Size	Hours	Cost
001	Demo Vent Fan WS-1	DEMOLISH	1	36.00	\$1,366
001b	Vent Shaft Closure WS-1	MINESEAL	1	16.00	\$4,218
002a	Demo Vent Fan WS-2	DEMOLISH	1	36.00	\$1,366
002b	Vent Shaft Closure WS-2	MINESEAL	1	16.00	\$4,218
003a	Demo Vent Fan WS-3	DEMOLISH	1	36.00	\$1,366
003b	Vent Shaft Closure WS-2	MINESEAL	1	16.00	\$4,218
004	Demolition of onsite structures, and disposal	DEMOLISH	1	48.00	\$14,619
005	Install atmospheric bulkheads underground	MINESEAL	1	32.00	\$5,247
006a	Remove Operational Soils from lined ore pad, fold	EXCAVATE	1	0.75	\$389
	up liner				
006b	Load and Carry liner underground for disposal	TRUCK1	1	0.76	\$443
006c	Grade out material from deconstructed Ore Pad	DOZER	1	0.38	\$180
007	Portal closure	MINESEAL	1	20.00	\$8,024
008	Grade dumps slopes, pad and portal areas	DOZER	1	16.55	\$7,860
009	Rip pad area of dump	RIPPER	1	3.47	\$1,684
010	Grade vent shaft and air hole areas	DOZER	1	3.88	\$1,844
011	Carry topsoil to be spread on pad	LOADER	1	9.17	\$805
012	Spread topsoil on pad	DOZER	1	1.91	\$908
013	Rip road areas	RIPPER	1	1.53	\$741
014	Revegetate all disturbed areas	REVEGE	1	32.00	\$25,877
015	Haul reclamation equipment to and from site	MOBILIZE	1	8.00	\$9,826
		334.4	\$95,199		

# **INDIRECT COSTS**

OVERHEAD AND PROFIT:			
Liability insurance:	2.02	Total =	\$1,923
Performance bond:	1.05	Total =	\$1,000
Job superintendent:	167.20	Total =	\$13,254
Profit:	10.00	Total =	\$9,520
		TOTAL O & P =	\$25,696
		CONTRACT AMOUNT (direct + O & P) =	\$120,895
LEGAL ENGINEEDING DD	OIECT MANA	CEMENT.	

#### LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	\$0	Total =	\$0
Engineering work and/or contract/bid preparation:	0.00	Total =	\$0

Cost Summary Worksheet Cont'd	Task	# 000		Page 2 of 2
Reclamation management and/or administ	tration:	5.00		\$6,045
CONTING	ENCY:	0.00	Total =	\$0
			TOTAL INDIRECT COST =	\$31,741
TO	\$126,940			

### **DEMOLITION WORK**

Τa	ask description:	<b>Demo Vent Fan WS-1</b>				
Site: _	West Sunday	Permit Action:	2024 Update	Permit	/Job#:	M1981021
ROJEC	T IDENTIFICAT	ION				
Task #:	001a	State: Colorado		Abbreviation:	None	;
Date:	12/3/2024	County: San Miguel		Filename:	M02	1-001a
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				

				<b>Total Cost</b>	
		Subtotal		(adjusted for	
Job Hours:	36.00	(unadjusted):	\$1,577.93	location):	\$1,366.49

#### SAFEGUARDING UNDERGROUND OPENINGS

	Task description:	Vent Shaft (	Closure WS-1			
Site:	West Sunday		Permit Action:	2024 Update	Permit	/Job#: M1981021
<u>PROJE</u>	<u>CT IDENTIFICATIO</u>	<u>N</u>				
Task Dat Use	e: 12/3/2024	State: County:	Colorado San Miguel		Abbreviation: Filename:	None M021-001b
	Agency or organiz	ation name:	DRMS			
<u>UNIT C</u>	<u>COSTS</u>					

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

Job Hours: \_\_\_\_\_16.00

Total Cost: \$4,218.48

### **DEMOLITION WORK**

Ta	sk description:	Demo Vent	Fan WS-2				
Site: V	Vest Sunday		Permit Action:	2024 Update	Permit	/Job#: <u>M19</u>	081021
PROJECT	<b>FIDENTIFICATI</b>	<u>ON</u>					
Task #:	002A	State:	Colorado		Abbreviation:	None	
Date:	12/3/2024	County:	San Miguel		Filename:	M021-002a	a
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				

				<b>Total Cost</b>	
		Subtotal		(adjusted for	
Job Hours:	36.00	(unadjusted):	\$1,577.93	location):	\$1,366.49

#### SAFEGUARDING UNDERGROUND OPENINGS

,	Task description:	Vent Shaft (	Closure WS-2			
Site:	West Sunday		Permit Action:	2024 Update	Permit	/Job#: <u>M1981021</u>
<u>PROJE</u>	CT IDENTIFICATIO	<u>DN</u>				
Task # Date Use	e: <u>12/3/2024</u>	State: County:	Colorado San Miguel		Abbreviation: Filename:	None M021-002b
	Agency or organiz	zation name:	DRMS			
<u>UNIT C</u>	<u>COSTS</u>					

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

Job Hours: \_\_\_\_\_16.00

Total Cost: \$4,218.48

### **DEMOLITION WORK**

	sk description: V <b>est Sunday</b>	Demo Vent	Permit Action:	2024 Update	Permit	/Job#:	M1981021
ROJECT	<b>IDENTIFICAT</b>	<u>'ION</u>					
Task #:	003A	State:	Colorado		Abbreviation:	None	;
Date:	12/3/2024	County:	San Miguel		Filename:	M02	1-003a
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
C		ITEM				

				<b>Total Cost</b>	
		Subtotal		(adjusted for	
Job Hours:	36.00	(unadjusted):	\$1,577.93	location):	\$1,366.49

#### SAFEGUARDING UNDERGROUND OPENINGS

	Task description:	Vent Shaft	Closure WS-2			
Site:	West Sunday		Permit Action:	2024 Update	Permit	/Job#: <u>M1981021</u>
<u>PROJE</u>	<u>CT IDENTIFICATIO</u>	<u>DN</u>				
Task 7 Dat Use	e: 12/3/2024	State: County:	Colorado San Miguel		Abbreviation: Filename:	None M021-003b
	Agency or organiz	zation name:	DRMS			
<u>UNIT C</u>	<u>COSTS</u>					

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

Job Hours: \_\_\_\_\_16.00

Total Cost: \$4,218.48

#### **DEMOLITION WORK**

sk description:	Demolition of	of onsite struct	ures, and disposal			
Vest Sunday	]	Permit Action: 2024 Update		Permit/Job#: M1981021		
<b>IDENTIFICAT</b>	ION					
004	State:	Colorado		Abbreviation:	None	
12/3/2024	County:	San Miguel		Filename:	M021-004	
LJW						
	Vest Sunday <u> <b>     IDENTIFICAT</b></u> <u>     004</u> <u>     12/3/2024</u>	Vest Sunday     I <b>TIDENTIFICATION</b> 004     State:       12/3/2024     County:	West Sunday       Permit Action: <b>TIDENTIFICATION</b> 004         004       State:       Colorado         12/3/2024       County:       San Miguel	West Sunday       Permit Action:       2024 Update <b>TIDENTIFICATION</b>	West Sunday       Permit Action:       2024 Update       Permit <b>IDENTIFICATION</b>	

#### UNIT COSTS

#### Structure or Item **Demolition Menu** Unit **Total Cost** Dimensions Unit Quantity Description Selection Cost Shop/office/dry 60x30x15 Bldg. (SN) demo./on-27,000.00 CF \$5,821.20 \$0.22 site disposal in existing bldg. pit or cut - Max. 50 ft. push Shop/office/dry 60x30 Demo. and on-site 1,800.00 SF \$0.79 \$1,425.96 bldg. concrete slab disposal in existing pit, 4 in. thick - Max. 200 ft. push Shop/office/dry Demo. and on-site 225.00 SF \$0.79 15x15 \$178.25 disposal in existing pit, bldg. conc. apron 4 in. thick - Max. 200 ft. push Bldg. (SN) demo./on-Compressor bldg. (at 20x20x10 4,000.00 CF \$0.22 \$862.40 site disposal in existing mine) pit or cut - Max. 50 ft. push Demo. and on-site 400.00 SF \$1.13 Comp. bldg (at 20x20 \$453.08 mine) concrete slab disposal in existing pit, 6 in. thick - Max. 50 ft. push 4800 LF Powerline or utility EA \$2,244.00 \$2,244.00 Denison-owned 1.00 powerlines line - Structural Steel Box Type Frame Structure Dismantle and Dispose 20x20x48 in Hazardous waste 10.00 DRUM \$360.98 \$3,609.78 Denison-owned non-PCB transfr. removal - Drum solids/liquids, per drum, (7+ drum job) Misc debris, parts, 20x20x10 ft Push demolished 148.00 CY \$3.32 \$491.66 fans, etc. materials/rubble/debris mass into pit - Max. 200 ft.

				Total Cost	
		Subtotal		(adjusted for	
Job Hours:	48.00	(unadjusted):	\$15,086.33	location):	\$14,618.65

push

#### Location adjustment: 96.90 %

#### SAFEGUARDING UNDERGROUND OPENINGS

Та	sk description:	Install atmospheric bulkhead	ls underground		
Site: V	Vest Sunday	Permit Action:	2024 Update	Permit	/Job#:M1981021
<u>PROJEC</u>	Γ IDENTIFICATI	ION			
Task #: Date: User:	005 12/3/2024 LJW	State: Colorado County: San Miguel		Abbreviation: Filename:	None M021-005
	Agency or organ	nization name: DRMS			
	CTEC				

# 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: 32.00

Total Cost: \$5,246.60

### HYDRAULIC EXCAVATOR WORK

Task description:	Remove Opera	tional Soils	from lined ore pa	d, fold up liner		
te: West Sunday	P	ermit Action	it Action: _2024 Update Permit/Job#: _M198102			
PROJECT IDENTIF	<b>ICATION</b>					
Task #:       006A         Date:       12/3/2024         User:       LJW	State: County:	Colorado San Migu		Abbrevi Filer	ation: <u>None</u> name: <u>M021-006a</u>	
Agency or orga	nization name: <u>D</u>	RMS				
HOURLY EQUIPME	ENT COST					
Basic Machine: Attachment 1:	Cat 324D L 9'-8" ROPS Cab	Stick	W	Horsepower:	194 24.85 1 per day (CRG)	
Cost Breakdown:						
Ownership Cost. Operating Cost Operator Cost. Total Unit Cost.	/Hour: \$202 /Hour: \$33	2.68 .87	Utilization % NA 100 NA	-		
Total Fleet Cost						
Source	267 of estimated volume stimated swell factor <u>FION</u>		' ore pad, 1.5' deej dbook	p/27 = 200CY		
Excavator Cycle Time (le	oad bucket, swing lo	aded, dump	bucket, swing emp	<u>ty):</u>		
			ondition Description in Basic Description Cycle Time Valu	on: AVERAGI		
Load Bucket Capacity				Bucket Size Class	s: Medium	
Rated Capacit Bucket Fill Facto Adjusted Capacit	or: 0.925	LCY (he Loose m				
Job Condition Correction	Factors		Site	Altitude: <u>5800</u> fe	et	
Altitude Adj: Job Efficiency: Net Correction:	1.00 0.83 0.83	Source (CAT H (1 shift/d multiplie	B) ay) r			
A	ndjusted Hourly Unit djusted Hourly Unit djusted Hourly Fleet ST	Production:	355.31	LCY/Hour LCY/Hour LCY/Hour		
Fleet size:	1 Excava	tor T	otal job time:	0.75	Hours	
	.457 /LCY	1	Total job cost:	\$389		

# TRUCK/LOADER TEAM WORK

Т	ask description:	Load a	nd Carry liner u	nderground for	disposal		
Site: West Sunday			Permit Act	ion: <u>2024</u> Upda	ate	Permit/Job#:	M1981021
<u>PF</u>	ROJECT IDEN	TIFICATION					
	Task #: 006B		State: Colora	ado	Ab	breviation: N	one
	Date: 12/3/	2024	County: San M				1021-006b
	User: LJW						
	Agency or	organization nar	ne: DRMS				
<u>H</u>	OURLY EQUII	PMENT COST	<u>[</u>		Shift ba	sis: <u>1 per day</u>	
				Equipment Descr	iption		
	Т	ruck Loader Tea		$\frac{\text{neric } 2-4 \text{ cy}, 4x2}{2242}$			
	Supp	ort Equipment -L		324D L 9'-8" St	tick		
	Suppo	1 1	ump Area: NA				
	Road Ma	aintenance – Mot					
			ter Truck: NA				
<u>Co</u>	ost Breakdown:	Truck/Loa			Equipment		ance Equipment
		Truck	Excavator	Load Area	Dump Area	Motor Grader	Water Truck
%Utiliz	zation-machine:	100	100	NA	NA	NA	NA
Owne	rship cost/hour:	\$11.22	\$281.20	NA	NA	NA	NA
Oper	rating cost/hour:	\$29.74	\$202.68	NA	NA	NA	NA
%U	Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper	own. cost/hour:	NA	\$0.00	NA	NA	NA	NA
Rippe	er op. cost/hour:	NA	\$0.00	NA	NA	NA	NA
Ope	erator cost/hour:	\$25.24	\$33.87	NA	NA	NA	NA
	Unit Subtotals:	\$66.20	\$517.75	NA	NA	NA	NA
N	umber of Units:	1	1	0	0	0	0
0	Froup Subtotals:	Work:	\$583.95	Support:	\$0.00	Maint:	\$0.00

Total work team cost/hour: \$583.95

#### **MATERIAL QUANTITIES**

Initial volume:	75		
Loose volume:		75	

Swell factor: 1.000

Source of estimated volume:	
Source of estimated swell factor:	
Material Purchase Cost:	
Total Coate	

Rolled and folded 30 Mil PVC Liner

Total Cost: <u>\$0.00</u>

Cat Handbook

\$0.00

CCY

LCY

#### **HOURLY PRODUCTION**

#### **Truck Capacity:**

Truck Payload (weight) Basis	<u>s:</u>	
Material weight:	1	Pounds/LCY
Description:	User Provided	
Rated Payload:	12,420	Pounds

Truck/Loader Worksheet Cont	ťd	Task # 006B			Page 2 of	4
Payload Capacity:	12,420.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	2.00	LCY				
Heaped Volume:	4.00	LCY				
Average Volume:	3.00	LCY				
Adjusted Volume:	4.00	LCY				
Final T	ruck Volume	Based on Number of I	Loader Passes:	4.07	LCY	
Loading Tool Capacity						
Detal Competen	2 2(0	LCV (harred)	Bucl	xet Size Class: <u>N</u>	Iedium	_
Rated Capacity: _ Bucket Fill Factor:	2.260	LCY (heaped) Other - cementer	d matariala (	25 050/) 0 000		-
Adjusted Capacity:	0.900 <b>2.034</b>	LCY	a materials (a	55 - 95%) 0.900		-
Job Condition Corrections:		Site	e Altitude (ft.):	5800 feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	1.000	(CAT H	B)		
Job Efficiency:	0.830	0.830	(CAT H	B)		
Net Correction:	0.830	0.830				
Loading Tool Cycle Time:	]	Number of Loading T	ool Passes Req	uired to Fill	2	passes
Excavators and Front Shovels		C		Truck:	2	
Machine Cycle Time vs Selected Value w						
Track Loaders – M		<u> </u>				
Cycle Time Elements (min.):						
Load: NA	Ν	Ianeuver: NA		Dump: 0.10	0	
Wheel and Track	Loaders - Una	adjusted Basic Loader		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			NA	(Cat HB)	_
		Net Cycle Time		NA	minutes	
		Adjusted Loader	•	0.293	minutes	
		Net Load Tin	ne per Truck:	0.393	minutes	
<u>Truck Cycle Time:</u>						
Truck Exchange Time:		Minutes	•	for site altitude:	0.500	Minutes
Truck Load Time:	0.393	Minutes	Adjusted	for site altitude:	0.393	Minutes
Truck Maneuver and Dump Time:		Minutes	Adjusted	for site altitude:	0.800	Minutes
Truck Travel (Haul & Return)	Time:	Road Condition: <u>R</u>	utted dirt, little	e maintenance, no w	vater, 1" tire	

penetration 4.0	
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Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)	
1	350.00	0.00	4.00	4.00	2665	0.204	
				Haul Time:	0.204	minute	s
Return Rou	ite:						
Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)	
1	350.00	0.00	4.00	4.00	2849	0.150	
			Total True	Return Time: ck Cycle Time:			
Loading Too Produ Truck Unit Produ	action 273.33	LCY/Hour		Adjusted for jo	b efficiency:	226.86	LCY/Hour
	119.24	LCY/Hour		Adjusted for jo	b efficiency:	98.97	LCY/Hour
ptimal No. of Tr	ucks: 2			Selected Numb		1	Truck(s)
				team production			/Hour
		Adjusted single					/Hour
	A	djusted multiple	e truck/loader	team production	on: 98.9	<u>97</u> LCY	/Hour
JOB TIM	E AND COST						
Fleet	size: <u>1</u>	Team(s)	Te	otal job time:	0.76	Ho	ours
Unit o	cost: \$5.900	/LCY	Т	otal job cost:	\$443	3	

Task # 006C

### BULLDOZER WORK

West Sunday	Pe	ermit Action:	2024 Update	Permit/Jo	b#: <u>M198102</u>
<b>PROJECT IDENTIFI</b>	CATION				
Task #: 006C	State:	Colorado		Abbreviation:	None
Date: 12/3/2024	County:	San Miguel		Filename:	M021-006c
User: LJW					
Agency or organ	nization name: <u>D</u>	RMS			
HOURLY EQUIPME	NT COST				
Basic Machine: Ca	t D9T - 9SU				
Horsepower: 40:	5		_		
	mi-Universal		_		
	hank ripper		-		
	er day RG)		-		
	<u>XUJ</u>		-		
Cost Breakdown:		I	TT: 11 .1 0/		
Ownership Cost/Hour:		\$253.16	<u>Utilization %</u> NA		
Operating Cost/Hour:		\$253.10	100		
Ripper own.					
Cost/Hour:		\$18.79	NA		
Ripper op. Cost/Hour:		\$0.00	0		
Operator Cost/Hour:		\$38.59	NA		
Total Fleet Cost/Hour:	<u>\$474.89</u> ITIES				
Initial Volume: 200 Swell factor: 1 33	5				
Swell factor: 1.33	5 LCY				
Swell factor: 1.33	LCY ume: Ore Pad		and Operational Soils		
Swell factor:1.33Loose volume:267Source of estimated voluSource of estimated swe	LCY ume: Ore Pad Il Cat Han		and Operational Soils		
Swell factor:1.33Loose volume:267Source of estimated voluSource of estimated swefactor:	LCY ume: Ore Pad Il Cat Han	dbook	and Operational Soils		
Swell factor:1.33Loose volume:267Source of estimated volu Source of estimated swe factor:HOURLY PRODUCTAverage push distance: Unadjusted hourly	LCY ume: Ore Pad Cat Han <u> TION</u> <u> 50 feet</u> 2,110.5 L0	dbook			
Swell factor:1.33Loose volume:267Source of estimated volu Source of estimated swe factor:HOURLY PRODUCTAverage push distance: Unadjusted hourly production:Materials consistency de Average push	LCY ume: Ore Pad Cat Han <u> TION</u> <u> 50 feet</u> 2,110.5 L0	dbook CY/hr			
Swell factor:1.33Loose volume:267Source of estimated volu Source of estimated swe factor:HOURLY PRODUCTAverage push distance: Unadjusted hourly production:Materials consistency de	LCY Ime: Ore Pad Cat Han <u>'ION</u> <u>50 feet</u> 2,110.5 L0 escription: Comp	dbook CY/hr			
Swell factor:1.33Loose volume:267Source of estimated volu Source of estimated swe factor:HOURLY PRODUCTAverage push distance: Unadjusted hourly production:Materials consistency de Average push gradient:	LCY ume: <u>Ore Pad</u> Cat Han <u> 'ION</u> <u> 50 feet</u> 2,110.5 LC escription: <u>Comp</u> 0 %	dbook CY/hr			
Swell factor:1.33Loose volume:267Source of estimated volu Source of estimated swe factor:HOURLY PRODUCTAverage push distance: Unadjusted hourly production:Materials consistency de Average push gradient: Average site altitude:	LCY ume: Ore Pad Cat Han <u>50 feet</u> 2,110.5 LO escription: Comp 0 % <u>5,800 feet</u>	dbook CY/hr			
Swell factor:1.33Loose volume:267Source of estimated volu Source of estimated swe factor:HOURLY PRODUCTAverage push distance: Unadjusted hourly production:Materials consistency de Average push gradient: Average site altitude:Material weight:	LCY ume: Ore Pad Cat Han <u>50 feet</u> 2,110.5 LO escription: Comp 0 % <u>5,800 feet</u> 2,700 lbs/LCY Stone - crushed	dbook CY/hr			

Page 2 of 2

Task # 006C

0.900	(CAT HB))
1.000	(GEN.)
1.000	(AVG.)
0.830	(1 SHIFT/DAY)
0.700	(FND-MF)
1.000	(CAT HB)
1.000	(CAT HB)
0.852	(CAT HB)
1.000	(PAT)
	$ \begin{array}{r} 1.000 \\ 1.000 \\ 0.830 \\ 0.700 \\ 1.000 \\ 1.000 \\ 0.852 \\ \end{array} $

Net correction: 0.3341

Adjusted unit production:	705.12 LCY/hr
Adjusted fleet production:	705.12 LCY/hr

#### JOB TIME AND COST

Fleet size:	1 Dozer(s)
Unit cost:	\$0.673/LCY

Total job time:	<b>0.38</b> Hours
Total job cost:	\$180

### SAFEGUARDING UNDERGROUND OPENINGS

Tas	sk description:	Portal closur	e			
Site: W	Vest Sunday	F	Permit Action:	2024 Update	Permit	/Job#: <u>M1981021</u>
<u>'ROJECT</u>	<u>I IDENTIFICAT</u>	ION				
Task #:	007	State:	Colorado		Abbreviation:	None
Date: User:	12/3/2024 LJW	County:	San Miguel		Filename:	M021-007

# UNIT COSTS

Opening Description	Dimensions	Closure Method	Quantity	Unit	Unit Cost	Total Cost
Place demo debris in adit	10x10	Adit closure - backfilling (per cu. yd.)	100.00	CY	\$43.75	\$4,375.00
Place earthen backfill in adit, 30 ft	10x10	Adit closure - backfilling (per opening)	1.00	EA	\$3,649.41	\$3,649.41

Job Hours: 20.00

Total Cost: \$8,024.41

### BULLDOZER WORK

	Permit Action:	2024 Update	Permit/Jol	b#: <u>M198102</u>
ROJECT IDENTIFI	CATION			
Task #: 008	State: Colorado		Abbreviation:	None
Date: 12/3/2024	County: San Migu	el	Filename:	M021-008
User: LJW				
Agency or organ	nization name: DRMS			
rigency of organ				
IOURLY EQUIPME	NT COST			
	t D9T - 9SU			
Horsepower: 40				
	mi-Universal			
	hank ripper			
	er day			
<u></u>	RG)			
<u>'ost Breakdown</u> :		I		
	*===	<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			
Operator Cost/Hour.	\$38.39	NA		
Total unit Cost/Hour:	\$474.89			
TT 1 TT ~ ~ ~ ~	0 4 <b>5</b> 4 00			
Total Fleet Cost/Hour:	\$474.89			
Total Fleet Cost/Hour:	54/4.89			
IATERIAL QUANT	ITIES			
IATERIAL QUANT Initial Volume:	ITIES 00			
IATERIAL QUANT Initial Volume: 4,80 Swell factor: 1.21	ITIES 00 5			
Initial Volume:Initial Volume:4,80Swell factor:1.21Loose volume:5,83	ITIES       00       5       32 LCY			
Initial Volume:       4,80         Swell factor:       1.21         Loose volume:       5,83         Source of estimated volume	ITIES         00         5         52 LCY         Ime:       Division of Reclamation	tion, Mining & Safety		
Initial Volume:       4,80         Swell factor:       1.21         Loose volume:       5,82         Source of estimated volu       5000000000000000000000000000000000000	ITIES         00         5         52 LCY         Ime:       Division of Reclamation	tion, Mining & Safety		
Initial Volume:       4,80         Swell factor:       1.21         Loose volume:       5,82         Source of estimated volu       5000000000000000000000000000000000000	ITIES 00 5 32 LCY ume: Division of Reclamat	tion, Mining & Safety		
Initial Volume:       4,80         Swell factor:       1.21         Loose volume:       5,83         Source of estimated volu       5,83         Source of estimated swe       5,60         factor:       1.21	ITIES 00 5 22 LCY ume: Division of Reclamat 11 Cat Handbook	tion, Mining & Safety		
Initial Volume:       4,80         Swell factor:       1.21         Loose volume:       5,82         Source of estimated volu       5000000000000000000000000000000000000	ITIES 00 5 22 LCY ume: Division of Reclamat 11 Cat Handbook	tion, Mining & Safety		
Initial Volume:       4,80         Swell factor:       1.21         Loose volume:       5,83         Source of estimated volu       5         Source of estimated swe       factor:         IOURLY PRODUCT       1	ITIES         00         5         22 LCY         ume:       Division of Reclamate         11       Cat Handbook         TION	tion, Mining & Safety		
Initial Volume:       4,80         Swell factor:       1.21         Loose volume:       5,83         Source of estimated volu       5000000000000000000000000000000000000	ITIES         00         5         32 LCY         ume:       Division of Reclamate         11       Cat Handbook         Cat Handbook         1100         150 feet	tion, Mining & Safety		
Initial Volume:       4,80         Swell factor:       1.21         Loose volume:       5,83         Source of estimated volu       500         Source of estimated volu       500         Source of estimated swell       500         factor:       100         IOURLY PRODUCT       Average push distance:         Unadjusted hourly       100	ITIES         00         5         22 LCY         ume:       Division of Reclamate         11       Cat Handbook         TION	tion, Mining & Safety		
Initial Volume:       4,80         Swell factor:       1.21         Loose volume:       5,83         Source of estimated volu       5000000000000000000000000000000000000	ITIES         00         5         32 LCY         ume:       Division of Reclamate         11       Cat Handbook         Cat Handbook         1100         150 feet	tion, Mining & Safety		
Initial Volume:       4,80         Swell factor:       1.21         Loose volume:       5,82         Source of estimated volu       5,82         Source of estimated volu       5,82         Source of estimated volu       5,82         Source of estimated swe       factor:         IOURLY PRODUCT       Average push distance:         Unadjusted hourly       production:	ITIES         00         5         32 LCY         ume:       Division of Reclamate         11       Cat Handbook         Cat Handbook         1100         150 feet			
Initial Volume:       4,80         Swell factor:       1.21         Loose volume:       5,82         Source of estimated volu       5,82         Source of estimated volu       5,82         Source of estimated volu       5,82         Source of estimated swe       factor:         IOURLY PRODUCT       Average push distance:         Unadjusted hourly       production:	ITIES         00         5         32 LCY         ame:       Division of Reclamation         11       Cat Handbook         TION         150 feet         910.5 LCY/hr			
Initial Volume:       4,80         Swell factor:       1.21         Loose volume:       5,83         Source of estimated volu       500         Source of estimated volu       500         Source of estimated swell       600         Materials consistency definition       600	ITIES         00         5         32 LCY         ame:       Division of Reclamation         11       Cat Handbook         TION         150 feet         910.5 LCY/hr			
Initial Volume:       4,80         Swell factor:       1.21         Loose volume:       5,83         Source of estimated volu       500         Average push distance:       1000         Materials consistency do       400         Average push       500         gradient:       500	ITIES         00         5         2 LCY         ame:       Division of Reclamation         11       Cat Handbook         ••••••••••••••••••••••••••••••••••••			
Initial Volume:       4,80         Swell factor:       1.21         Loose volume:       5,83         Source of estimated volu       500         Average push distance:       1000         Materials consistency do       500         Average push       400	ITIES         00         5         2 LCY         ame:       Division of Reclamation         11       Cat Handbook         ••••••••••••••••••••••••••••••••••••			
Initial Volume:       4,80         Swell factor:       1.21         Loose volume:       5,82         Source of estimated volu       500         Source of estimated volu       500         Source of estimated swell       600         Source of estimated swell       600         Materials consistency definition       600         Average push distance:       100         Unadjusted hourly       100         production:       100         Materials consistency definition       100         Average push       100         Average push       100         Surge push       100         Materials consistency definition       100         Average push       100         Surge site altitude:       100	ITIES         00         5         32 LCY         ame:       Division of Reclamated and the construction of Reclamated and the constructined and the con			
Initial Volume:       4,80         Swell factor:       1.21         Loose volume:       5,83         Source of estimated volu       500         Average push distance:       1000         Materials consistency do       400         Average push       500         gradient:       500	ITIES         00         5         22 LCY         ume:       Division of Reclamate         11       Cat Handbook         TION			
Initial Volume:       4,80         Swell factor:       1.21         Loose volume:       5,83         Source of estimated volu       5,83         Source of estimated volu       Source of estimated swelfactor:         IOURLY PRODUCT       Average push distance:         Unadjusted hourly production:       Materials consistency defined and the state of th	ITIES         00         5         2 LCY         ume:       Division of Reclamat         11       Cat Handbook         'ION         150 feet         910.5 LCY/hr         escription:       Consolidated stock         -5 %         5,800 feet         3,300 lbs/LCY	pile 1.0		
Initial Volume:       4,80         Swell factor:       1.21         Loose volume:       5,82         Source of estimated volu       500         Source of estimated volu       500         Source of estimated swell       600         Source of estimated swell       600         Materials consistency definition       600         Average push distance:       100         Unadjusted hourly       100         production:       100         Materials consistency definition       100         Average push       100         Average push       100         Surge push       100         Materials consistency definition       100         Average push       100         Surge site altitude:       100	ITIES         00         5         32 LCY         ame:       Division of Reclamated and the construction of Reclamated and the constructined and the con	pile 1.0		
Initial Volume:       4,80         Swell factor:       1.21         Loose volume:       5,83         Source of estimated volu       5,83         Source of estimated volu       Source of estimated swelfactor:         IOURLY PRODUCT       Average push distance:         Unadjusted hourly production:       Materials consistency defined and the state of th	ITIES         00         5         32 LCY         ame:       Division of Reclamar         11       Cat Handbook         TON         150 feet         910.5 LCY/hr         escription:       Consolidated stock         -5 %         5,800 feet         3,300 lbs/LCY         Decomposed rock - 75% Rock	pile 1.0		

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:	1.115	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.697	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3870

Adjusted unit production:	352.36 LCY/hr
Adjusted fleet production:	<b>352.36</b> LCY/hr

#### JOB TIME AND COST

Fleet size:	1 Dozer(s)
Unit cost:	\$1.348/LCY

Total job time:	<b>16.55</b> Hours
Total job cost:	\$7,860

### BULLDOZER RIPPING WORK

Task description:	<b>Rip pad area of dump</b>				
Site: West Sunday	Permit Actio	on: 2024 Update	Per	rmit/Job#:	M1981021
PROJECT IDE	NTIFICATION				
Task #:009	State: Colorad	lo	Abbrevi	ation: <u>No</u>	one
	3/2024 County: San Mig	guel	File	name: <u>M</u>	021-009
÷ •	or organization name: <u>DRMS</u>				
HOURLY EQU	<u>IPMENT COST</u>				
	Aachine: Cat D9T - 9SU		Horsepower:	405	
Ripper Atta	chment: <u>3-Shank Ripper</u>		Shift Basis: Data Source:	1 per da (CRG)	
Cost Preakdown					)
Cost Breakdown:			Utilization %		
	Ownership Cost/Hour:	\$253.16	NA		
Dinna	Operating Cost/Hour:	\$164.35 \$18.79	100 NA		
	er Operating Cost/Hour:	\$9.48	<u>100</u>		
11	Operator Cost/Hour:	\$38.59	NA		
	Total Unit Cost/Hour:	\$484.37			
	Total Fleet Cost/Hour:\$4	484.37			
MATERIAL Q	J <b>ANTITIES</b> Se	elected estimating 1	nethod: Area		
Alternate Methods	<u>.</u>	_			
eismic: NA	Bank Volum	ne: NA	BCY	N	NA
Area: 2.50	acres Rip Depth (f			,033	BCY or 0
	Source of estimated quantity: AM	-1 maps			
HOURLY PRO	DUCTION				
Seismic:					
<u>Seisinic.</u>	Seismic Velocity:	NA	feet/second	1	
Area:					
<u>mea.</u>	Average Ripping Depth:	2.63	feet/pass		
	Average Ripping Width:	7.67	feet/pass		
	Average Ripping Length:	300.00	feet/pass		
	Average Dozer Speed:	88.00	feet/minute		
	Average Maneuver Time:	0.25	minutes/pa	.SS	
	Production per unit area:	0.866	acres/hour		
Job Condition Cor	rection Factors				
Una	djusted Hourly Unit Production:	0.866	Acres/hr		
	Site Altitude:	5,800	feet		
	Altitude Adj:	1.00	(CAT HB)		
	Job Efficiency:	0.83	(1 shift/day	y)	
	Net Correction:	0.83	multiplier		
	Adjusted Hourly Unit Production	n: 0.72	Acres/hr		
	Adjusted Hourly Fleet Production		Acres/hr		
JOB TIME AN	<u>D COST</u>				
Fleet size:	1 Grader(s)	Total job time	3.48	8	Hours
Init anote	\$673 740 Der oare	Total ish as		<u> </u>	
Unit cost:	\$673.740 Per acre	Total job cost	t: <b>\$1,6</b> 8	)4	_

CIRCES Cost Estimating Software

### BULLDOZER WORK

West Sunday	Pe	ermit Action: _	2024 Update	Permit/Jo	b#: <u>M198102</u>
ROJECT IDENTIFI	CATION				
Task #: 010	State:	Colorado		Abbreviation:	None
Date: 12/3/2024	County:	San Miguel		Filename:	M021-010
User: LJW					
A gapou or organ	nization name: D	DMS			
Agency of organ	lization name. D	KIVI3			
OURLY EQUIPME	NT COST				
	t D9T - 9SU				
Horsepower: 40:					
	mi-Universal				
	hank ripper				
	er day				
Data Source: (Cl	RG)				
ost Breakdown:					
			Utilization %		
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		
Fotal unit Cost/Hour: Fotal Fleet Cost/Hour: ATERIAL QUANT	\$474.89 \$474.89 ITIES				
Fotal Fleet Cost/Hour:         ATERIAL QUANT         Initial Volume:       2,20         Swell factor:       1.12	\$474.89 ITIES 00 25				
Fotal Fleet Cost/Hour:         ATERIAL QUANT         Initial Volume:       2,20         Swell factor:       1.12	<b>\$474.89</b> ITIES 00				
Fotal Fleet Cost/Hour:         ATERIAL QUANT         Initial Volume:       2,20         Swell factor:       1.12         Loose volume:       2,47         Source of estimated volume	\$474.89 ITIES 00 25 25 LCY ume: Division		n, Mining & Safety		
Fotal Fleet Cost/Hour:         ATERIAL QUANT         Initial Volume:       2,20         Swell factor:       1.12         Loose volume:       2,47         Source of estimated volu         Source of estimated swe	\$474.89 ITIES 00 25 25 LCY ume: Division		n, Mining & Safety		
Fotal Fleet Cost/Hour:         ATERIAL QUANT         Initial Volume:       2,20         Swell factor:       1.12         Loose volume:       2,47         Source of estimated volume	\$474.89 ITIES 00 25 25 LCY ume: Division		n, Mining & Safety		
Fotal Fleet Cost/Hour:         ATERIAL QUANT         Initial Volume:       2,20         Swell factor:       1.12         Loose volume:       2,47         Source of estimated volu         Source of estimated swe         Sactor:	\$474.89           ITIES           00           25           25 LCY           ume:         Division           11         Cat Han		n, Mining & Safety		
Fotal Fleet Cost/Hour:         ATERIAL QUANT         Initial Volume:       2,20         Swell factor:       1.12         Loose volume:       2,47         Source of estimated volu         Source of estimated swe	\$474.89           ITIES           00           25           25 LCY           ume:         Division           11         Cat Han		n, Mining & Safety		
Fotal Fleet Cost/Hour:         ATERIAL QUANT         Initial Volume:       2,20         Swell factor:       1.12         Loose volume:       2,47         Source of estimated volu         Source of estimated swe         Cactor:         OURLY PRODUCT         Average push distance:	\$474.89           ITIES           00           25           25 LCY           ume:         Division           11         Cat Han		n, Mining & Safety		
Fotal Fleet Cost/Hour:         ATERIAL QUANT         Initial Volume:       2,20         Swell factor:       1.12         Loose volume:       2,47         Source of estimated volu         Source of estimated swe         Cactor:         OURLY PRODUCT         Average push distance:         Jnadjusted hourly	\$474.89 ITIES 00 25 25 LCY ume: Division 11 Cat Han TION	dbook	 n, Mining & Safety 		
Fotal Fleet Cost/Hour:         ATERIAL QUANT         Initial Volume:       2,20         Swell factor:       1.12         Loose volume:       2,47         Source of estimated volu         Source of estimated swe         Cactor:         OURLY PRODUCT         Average push distance:	\$474.89         ITIES         00         25         25         25         25         25         25         25         25         25         25         25         25         25         25         25         25         25         26         Cat Han	dbook	 n, Mining & Safety 		
Fotal Fleet Cost/Hour:         ATERIAL QUANT         Initial Volume:       2,20         Swell factor:       1.12         Loose volume:       2,47         Source of estimated volu         Source of estimated swe         Cactor:         OURLY PRODUCT         Average push distance:         Jnadjusted hourly	\$474.89         ITIES         00         25         25         25         25         26         11         Cat Han	dbook CY/hr			
Fotal Fleet Cost/Hour:         ATERIAL QUANT         Initial Volume:       2,20         Swell factor:       1.12         Loose volume:       2,47         Source of estimated volu       Source of estimated swe         Source of estimated swe       Source         OURLY PRODUCT       Average push distance:         Jnadjusted hourly       Source         Materials consistency definition       Statement	\$474.89         ITIES         00         25         75 LCY         ume:       Division         11       Cat Han	dbook CY/hr			
Fotal Fleet Cost/Hour:         ATERIAL QUANT         Initial Volume:       2,20         Swell factor:       1.12         Loose volume:       2,47         Source of estimated volu       2,47         Source of estimated volu       Source of estimated swe         Source of estimated swe       Source         OURLY PRODUCT       Average push distance:         Jnadjusted hourly       Source         Materials consistency de       Average push	\$474.89         ITIES         00         25         25         25         25         26         11         Cat Han	dbook CY/hr			
Fotal Fleet Cost/Hour:         ATERIAL QUANT         Initial Volume:       2,20         Swell factor:       1.12         Loose volume:       2,47         Source of estimated volu       2,47         Source of estimated volu       Source of estimated swe         Source of estimated swe       Source of estimated swe         Source of estimated swe       Source         OURLY PRODUCT       Average push distance:         Unadjusted hourly       Source         Oroduction:       Materials consistency de         Average push       Stance:         Materials consistency de       Stance:         Average push       Stance:         Staterials consistency de       Staterials         Staterials consistency de       Staterials         Staterials       Staterials	\$474.89         ITIES         00         25         25         25         25         25         25         26         27         28         29         29         20         21         25         26         27         Division         Cat Han	dbook CY/hr			
Fotal Fleet Cost/Hour:         ATERIAL QUANT         Initial Volume:       2,20         Swell factor:       1.12         Loose volume:       2,47         Source of estimated volu       2,47         Source of estimated volu       Source of estimated swe         Source of estimated swe       Source         OURLY PRODUCT       Average push distance:         Jnadjusted hourly       Source         Materials consistency de       Average push	\$474.89         ITIES         00         25         75 LCY         ume:       Division         11       Cat Han	dbook CY/hr			
Fotal Fleet Cost/Hour:         ATERIAL QUANT         Initial Volume:       2,20         Swell factor:       1.12         Loose volume:       2,47         Source of estimated volu       2,47         Source of estimated volu       Source of estimated swe         Cource of estimated swe       2         Source of estimated swe       Source of estimated swe         Cource of estimated hourly       Source         OURLY PRODUCT       Average push distance:         Unadjusted hourly       Source         Ource of estimated hourly       Source         Average push       Source         Average push       Source         Average push       Source         Average site altitude:       Source	\$474.89         ITIES         00         25         25         25         25         25         25         25         25         25         25         26         11         Cat Han         11         60 feet         1,872.0 L0         escription:         0 %         5,800 feet	dbook CY/hr			
Fotal Fleet Cost/Hour:         ATERIAL QUANT         Initial Volume:       2,20         Swell factor:       1.12         Loose volume:       2,47         Source of estimated volu       2,47         Source of estimated volu       Source of estimated swe         Source of estimated swe       Source of estimated swe         Source of estimated swe       Source         OURLY PRODUCT       Average push distance:         Unadjusted hourly       Source         Oroduction:       Materials consistency de         Average push       Stance:         Materials consistency de       Stance:         Average push       Stance:         Staterials consistency de       Staterials         Staterials consistency de       Staterials         Staterials       Staterials	\$474.89         ITIES         00         25         25         25         25         25         25         26         27         28         29         29         20         21         25         26         27         Division         Cat Han	dbook CY/hr			
Fotal Fleet Cost/Hour:         ATERIAL QUANT         Initial Volume:       2,20         Swell factor:       1.12         Loose volume:       2,47         Source of estimated volu       2,47         Source of estimated volu       Source of estimated swe         Cource of estimated swe       2         Source of estimated swe       Source of estimated swe         Cource of estimated hourly       Source         OURLY PRODUCT       Average push distance:         Unadjusted hourly       Source         Ource of estimated hourly       Source         Average push       Source         Average push       Source         Average push       Source         Average site altitude:       Source	\$474.89         ITIES         00         25         25         25         25         25         25         25         25         25         25         26         11         Cat Han         11         60 feet         1,872.0 L0         escription:         0 %         5,800 feet	dbook CY/hr acted fill or em	bankment 0.9		
Fotal Fleet Cost/Hour:         ATERIAL QUANT         Initial Volume:       2,20         Swell factor:       1.12         Loose volume:       2,47         Source of estimated volu       Source of estimated swe         Source of estimated swe       Source of estimated swe         Cource of estimated volu       Source of estimated swe         Source of estimated hourly       Source         OURLY PRODUCT       Average push distance:         Unadjusted hourly       Source         Orduction:       Materials consistency de         Average push       Statent:         Average site altitude:       Material weight:	\$474.89         ITIES         00         25         25         25         25         25         25         25         25         25         26         27         Exerciption:         Comp         0 %         5,800 feet         2,650 lbs/LCY         Decomposed roc	dbook CY/hr acted fill or em	bankment 0.9		

Material consistency:	0.900	(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)

Net correction: 0.3404

Adjusted unit production:	637.23 LCY/hr
Adjusted fleet production:	<b>637.23</b> LCY/hr

#### JOB TIME AND COST

Fleet size:	1 Dozer(s)
Unit cost:	\$0.745/LCY

Total job time:	<b>3.88</b> Hours
Total job cost:	\$1,844

## WHEEL LOADER - LOAD AND CARRY WORK

Task #:         011           Date:         12/3/2024           User:         LJW	State: <u>Colorada</u> County: <u>San Mig</u>		Abbreviation: Filename:	-
Agency or organiza	tion name: DRMS			
IOURLY EQUIPMENT	COST			
Basic Machine: CA	AT 924H	Horse	power:	128
Attachment 1: RO	DPS Cab	Shift	Basis: 1	per day
		Data S	ource:	(CRG)
Cost Breakdown:				
		Utilization %		
Ownership Cost/Hou		NA		
Operating Cost/Hou		100		
Operator Cost/Hou		NA		
Total Unit Cost/Hou	r: \$87.76			
Total Fleet Cost/Hou	ır: \$87.76			
ΛΑΤΈRΙΑΙ. ΟΙ ΑΝΤΓΓΙ	ES			
	D CCY 1,000 LCY timated volume: Divisio	n of Reclamation, Mining	1.000 g & Safety	
Initial volume: Loose volume: Source of es	D CCY 1,000 LCY timated volume: Divisio			
Initial volume: Loose volume: Source of es	D     CCY       1,000     LCY       timated volume:     Divisio       ited swell factor:     Cat Hat       N     Divisio	n of Reclamation, Mining	g & Safety	minutes
Initial volume: Loose volume: Source of estima OURLY PRODUCTIO Dader Cycle Time: Cycle Time Factors	0 CCY 1,000 LCY timated volume: Divisio ated swell factor: Cat Har N Unadjusted Basic	n of Reclamation, Minin ndbook c Cycle Time (load, dumj maneuver	g & Safety , 0.475 Factor (min.)	Source
Initial volume: Loose volume: Source of estima OURLY PRODUCTIO	D       CCY         1,000       LCY         timated volume:       Division         tted swell factor:       Cat Hai         N       Unadjusted Basic         Material 1/8" to 3/4" diam	n of Reclamation, Minin, ndbook c Cycle Time (load, dumj maneuver meter -0.02	g & Safety , 0.475 Factor (min.) -0.020	Source (Cat HB)
Initial volume: Loose volume: Source of es Source of estima OURLY PRODUCTIO pader Cycle Time: Cycle Time Factors Material: Stockpile:	0       CCY         1,000       LCY         timated volume:       Divisio         tted swell factor:       Cat Ha         N       Unadjusted Basic         Material 1/8" to 3/4" dian         No adjustment - factor no	n of Reclamation, Minin ndbook c Cycle Time (load, dumj maneuver meter -0.02 ot applicable 0.00	g & Safety , 0.475 Factor (min.) -0.020 0.000	Source (Cat HB) (Cat HB)
Initial volume: Loose volume: Source of es Source of estima OURLY PRODUCTIO ader Cycle Time: Cycle Time Factors Material: Stockpile: Truck Ownership:	0       CCY         1,000       LCY         timated volume:       Divisio         tted swell factor:       Cat Ha         N       Unadjusted Basic         Material 1/8" to 3/4" diar         No adjustment - factor no         No adjustment - factor no	n of Reclamation, Minin, ndbook c Cycle Time (load, dump maneuver meter -0.02 ot applicable 0.00 ot applicable 0.00	g & Safety , 0.475 ; Factor (min.) -0.020 0.000 0.000	Source (Cat HB) (Cat HB) (Cat HB)
Initial volume: Loose volume: Source of estima OURLY PRODUCTIO ader Cycle Time: Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	0       CCY         1,000       LCY         timated volume:       Divisio         ated swell factor:       Cat Ha         N       Unadjusted Basic         Material 1/8" to 3/4" dian         No adjustment - factor no         No adjustment - factor no         Constant operation -0.04	n of Reclamation, Minin, ndbook c Cycle Time (load, dumj maneuver meter -0.02 ot applicable 0.00 ot applicable 0.00	g & Safety , 0.475 <u>Factor (min.)</u> -0.020 0.000 0.000 -0.040	Source(Cat HB)(Cat HB)(Cat HB)(Cat HB)(Cat HB)
Initial volume:	0       CCY         1,000       LCY         timated volume:       Divisio         nted swell factor:       Cat Har         N       Unadjusted Basic         Material 1/8" to 3/4" diat         No adjustment - factor no         No adjustment - factor no         Constant operation -0.04         No adjustment - factor no	n of Reclamation, Mining ndbook c Cycle Time (load, dump maneuver meter -0.02 ot applicable 0.00 ot applicable 0.00	g & Safety , 0.475 Factor (min.) -0.020 0.000 -0.040 0.000	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)
Initial volume: Loose volume: Source of estima IOURLY PRODUCTIO oader Cycle Time: Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	0       CCY         1,000       LCY         timated volume:       Divisio         nted swell factor:       Cat Ha         N       Unadjusted Basic         Material 1/8" to 3/4" diar         No adjustment - factor no         No adjustment - factor no         Constant operation -0.04         No adjustment - factor no         Constant operation -0.04         No adjustment - factor no         No adjustment - factor no	n of Reclamation, Minin, ndbook c Cycle Time (load, dumj maneuver meter -0.02 ot applicable 0.00 ot applicable 0.00	g & Safety , 0.475 <u>Factor (min.)</u> -0.020 0.000 0.000 -0.040	Source(Cat HB)(Cat HB)(Cat HB)(Cat HB)(Cat HB)

	Length (feet)	Grade Res. (%)	Rolling Res. (%)	Total Res. (%)	Travel Time (minutes)	Source
Haul Route:	500	0.00	4.00	4.00	0.3174	(Cat HB)

Loader Worksheet Cont'd		Task	x # 011			Page 2 of 2
Return Route:	500	0.00	10.00	10.00	0.5629	(Cat HB)
				vel Time: vele Time:	0.8802 1.2952	minutes minutes
Load Bucket Capacity						
Rated Capacity Bucket Fill Factor Adjusted Capacity	: 1.050	LCY (h Moist la LCY	eaped) bam or sandy	clay (100% -	110%) 1.050	
Job Condition Correction I Site Altitude: <u>5800</u> feet	Factors					
		Sourc	e			
Altitude Adj:	1.00	(CAT H	IB)			
Job Efficiency:	0.83	(1 shift/c	lay)			
Net Correction:	0.83	multiplie	er			
Ad	ljusted Hourly Ur ljusted Hourly Ur justed Hourly Fle	nit Production	: 109.0	D LCY	/Hour /Hour /Hour	
JOB TIME AND COS	<u>T</u>					
Fleet size:1	Loader	r(s)	Total job ti	me:	9.17	Hours
Unit cost:\$0.8	805 /LCY		Total job c	ost:	\$805	_

Page 1 of 2

### BULLDOZER WORK

West Sunday	Permit Action:	2024 Update	Permit/Jo	b#: <u>M198102</u>
ROJECT IDENTIFICAT	<u> ION</u>			
Task #: 012	State: Colorado		Abbreviation:	None
Date: 12/3/2024	County: San Miguel		Filename:	M021-012
User: LJW				
	—			
Agency or organization	on name: DRMS			
HOURLY EQUIPMENT (	COST			
Basic Machine: Cat D9T	- 9SU			
Horsepower: 405				
Blade Type: Semi-Ur				
Attachment: <u>3-shank</u>				
Shift Basis: <u>1 per day</u>	у			
Data Source: (CRG)				
Cost Breakdown:				
<u>ost Divaruowii</u> .	1	<u>Utilization %</u>		
Ownership Cost/Hour:	\$253.16	NA		
	\$164.35	100		
Operating Cost/Hour:	\$104.33	100		
Ripper own. Cost/Hour:	\$18.79	NA		
Ripper op. Cost/Hour:	\$0.00	0		
Operator Cost/Hour:	\$38.59			
	\$30.39	NA		
Total Fleet Cost/Hour: <b>\$4</b>	74.89 74.89 <u>S</u>			
Total Fleet Cost/Hour: <b>\$4</b> <b>MATERIAL QUANTITIE</b> Initial Volume: <u>1,500</u> Swell factor: <u>1.125</u>	74.89			
Total Fleet Cost/Hour: <b>\$4</b> ' <b>MATERIAL QUANTITIE</b> Initial Volume: <u>1,500</u>	74.89			
Total Fleet Cost/Hour:\$4'MATERIAL QUANTITIEInitial Volume:1,500Swell factor:1.125Loose volume:1,688 LC	74.89 S Y	n Mining & Safety		
Total Fleet Cost/Hour:       \$4'         MATERIAL QUANTITIE         Initial Volume:       1,500         Swell factor:       1.125         Loose volume:       1,688 LC         Source of estimated volume:	74.89 <u>S</u> <u>Y</u>   _	n, Mining & Safety		
Total Fleet Cost/Hour:       \$4'         MATERIAL QUANTITIE       Initial Volume:       1,500         Swell factor:       1.125       1,688 LC         Source of estimated volume:       Source of estimated swell	74.89 S Y	n, Mining & Safety		
Total Fleet Cost/Hour:       \$4'         MATERIAL QUANTITIE         Initial Volume:       1,500         Swell factor:       1.125         Loose volume:       1,688 LC         Source of estimated volume:	74.89 <u>S</u> <u>Y</u>   _	n, Mining & Safety		
Total Fleet Cost/Hour:       \$4'         MATERIAL QUANTITIE         Initial Volume:       1,500         Swell factor:       1.125         Loose volume:       1,688 LC         Source of estimated volume:       Source of estimated swell         factor:       1	74.89 <u>S</u> <u>Y</u> <u>Division of Reclamation</u> Cat Handbook	 n, Mining & Safety		
Total Fleet Cost/Hour:       \$4'         MATERIAL QUANTITIE       Initial Volume:       1,500         Swell factor:       1.125       1,688 LC         Source of estimated volume:       Source of estimated swell	74.89 <u>S</u> <u>Y</u> <u>Division of Reclamation</u> Cat Handbook	 n, Mining & Safety 		
Total Fleet Cost/Hour:       \$4'         MATERIAL QUANTITIE       Initial Volume:       1,500         Swell factor:       1.125         Loose volume:       1,688 LC         Source of estimated volume:       Source of estimated swell         factor:       1         HOURLY PRODUCTION	74.89 <u>S</u> <u>Y</u> <u>Division of Reclamation</u> Cat Handbook	 n, Mining & Safety 		
Total Fleet Cost/Hour:       \$4'         MATERIAL QUANTITIE       Initial Volume:       1,500         Swell factor:       1.125         Loose volume:       1,688 LC         Source of estimated volume:       Source of estimated swell         factor:       HOURLY PRODUCTION         Average push distance:       Initial Volume	74.89 <u>S</u> <u>Y</u> <u>Division of Reclamation</u> Cat Handbook <u>60 feet</u>	 n, Mining & Safety 		
Total Fleet Cost/Hour:       \$4'         MATERIAL QUANTITIE       Initial Volume:       1,500         Swell factor:       1.125       1,688 LC         Loose volume:       1,688 LC         Source of estimated volume:       Source of estimated swell         factor:       HOURLY PRODUCTION         Average push distance:       Unadjusted hourly	74.89	 n, Mining & Safety 		
Total Fleet Cost/Hour:       \$4'         MATERIAL QUANTITIE       Initial Volume:       1,500         Swell factor:       1.125         Loose volume:       1,688 LC         Source of estimated volume:       Source of estimated swell         factor:       HOURLY PRODUCTION         Average push distance:       Initial Volume	74.89 <u>S</u> <u>Y</u> <u>Division of Reclamation</u> Cat Handbook <u>60 feet</u>	 n, Mining & Safety 		
Total Fleet Cost/Hour:       \$4'         MATERIAL QUANTITIE       Initial Volume:       1,500         Swell factor:       1.125       1,688 LC         Source of estimated volume:       3000000000000000000000000000000000000	74.89 S Y Division of Reclamation Cat Handbook 60 feet 1,872.0 LCY/hr	 n, Mining & Safety 		
Total Fleet Cost/Hour:       \$4'         MATERIAL QUANTITIE       Initial Volume:       1,500         Swell factor:       1.125       1,688 LC         Loose volume:       1,688 LC         Source of estimated volume:       Source of estimated swell         factor:       HOURLY PRODUCTION         Average push distance:       Unadjusted hourly	74.89 S Y Division of Reclamation Cat Handbook 60 feet 1,872.0 LCY/hr	 n, Mining & Safety 		
Total Fleet Cost/Hour:       \$4'         MATERIAL QUANTITIE       Initial Volume:       1,500         Swell factor:       1.125       1,688 LC         Source of estimated volume:       5000000000000000000000000000000000000	74.89 S Y Division of Reclamatio Cat Handbook 60 feet 1,872.0 LCY/hr tion: Loose stockpile 1.2	 n, Mining & Safety 		
Total Fleet Cost/Hour:       \$4'         MATERIAL QUANTITIE       Initial Volume:       1,500         Swell factor:       1.125       1,688 LC         Source of estimated volume:       5000000000000000000000000000000000000	74.89 S Y Division of Reclamatio Cat Handbook 60 feet 1,872.0 LCY/hr tion: Loose stockpile 1.2	 n, Mining & Safety 		
Total Fleet Cost/Hour:       \$4'         MATERIAL QUANTITIE       Initial Volume:       1,500         Swell factor:       1.125       1,688 LC         Source of estimated volume:       1,688 LC         Source of estimated volume:       Source of estimated swell         factor:       HOURLY PRODUCTION         Average push distance:       Unadjusted hourly         production:       Materials consistency descrip         Average push       0 %         gradient:       0 %	74.89 S <u>S</u> <u>Division of Reclamatio</u> Cat Handbook <u>60 feet</u> 1,872.0 LCY/hr tion: Loose stockpile 1.2 %	 n, Mining & Safety 		
Total Fleet Cost/Hour:       \$4'         MATERIAL QUANTITIE       Initial Volume:       1,500         Swell factor:       1.125       1,688 LC         Source of estimated volume:       1,688 LC         Source of estimated volume:       Source of estimated swell         factor:       HOURLY PRODUCTION         Average push distance:       Unadjusted hourly         production:       Materials consistency descrip         Average push       0 %         gradient:       0 %	74.89 S Y Division of Reclamatio Cat Handbook 60 feet 1,872.0 LCY/hr tion: Loose stockpile 1.2	 n, Mining & Safety 		
Total Fleet Cost/Hour:       \$4'         MATERIAL QUANTITIE         Initial Volume:       1,500         Swell factor:       1.125         Loose volume:       1,688 LC         Source of estimated volume:       Source of estimated volume:         Source of estimated swell factor:       1         HOURLY PRODUCTION       Average push distance:         Unadjusted hourly production:       Materials consistency descrip         Average push       0 %         gradient:       5,8	74.89 S Y Division of Reclamation Cat Handbook 60 feet 1,872.0 LCY/hr tion: Loose stockpile 1.2 % 800 feet	 n, Mining & Safety 		
Total Fleet Cost/Hour:       \$4'         MATERIAL QUANTITIE         Initial Volume:       1,500         Swell factor:       1.125         Loose volume:       1,688 LC         Source of estimated volume:       Source of estimated volume:         Source of estimated swell factor:       1         HOURLY PRODUCTION       Average push distance:         Unadjusted hourly production:       Materials consistency descrip         Average push       0 %         gradient:       5,8	74.89 S <u>S</u> <u>Division of Reclamatio</u> Cat Handbook <u>60 feet</u> 1,872.0 LCY/hr tion: Loose stockpile 1.2 %	 n, Mining & Safety 		
Total Fleet Cost/Hour:       \$4'         MATERIAL QUANTITIE       Initial Volume:       1,500         Swell factor:       1.125       Loose volume:       1,688 LC         Source of estimated volume:       Source of estimated swell factor:       1,688 LC         Source of estimated volume:       Source of estimated swell factor:       1,688 LC         HOURLY PRODUCTION       Average push distance:       Unadjusted hourly production:         Materials consistency descrip       Average push       0 %         Average site altitude:       5,8         Material weight:       2,5	74.89 S Y Division of Reclamation Cat Handbook 60 feet 1,872.0 LCY/hr tion: Loose stockpile 1.2 % 300 feet 550 lbs/LCY	 n, Mining & Safety 		
Total Fleet Cost/Hour:       \$4'         MATERIAL QUANTITIE       Initial Volume:       1,500         Swell factor:       1.125       Loose volume:       1,688 LC         Source of estimated volume:       Source of estimated swell factor:       1,688 LC         Source of estimated volume:       Source of estimated swell factor:       1,688 LC         HOURLY PRODUCTION       Average push distance:       Unadjusted hourly production:         Materials consistency descrip       Average push       0 % gradient:         Average site altitude:       5,8         Material weight:       2,5         Weight description:       Ear	74.89 S Division of Reclamation Cat Handbook 60 feet 1,872.0 LCY/hr tion: Loose stockpile 1.2 % 300 feet 550 lbs/LCY rth - Dry packed			
Total Fleet Cost/Hour:       \$4'         MATERIAL QUANTITIE       Initial Volume:       1,500         Swell factor:       1.125       Loose volume:       1,688 LC         Source of estimated volume:       Source of estimated swell factor:       1,688 LC         Source of estimated volume:       Source of estimated swell factor:       1,688 LC         HOURLY PRODUCTION       Average push distance:       Unadjusted hourly production:         Materials consistency descrip       Average push       0 %         Average site altitude:       5,8         Material weight:       2,5	74.89 S Y Division of Reclamation Cat Handbook 60 feet 1,872.0 LCY/hr tion: Loose stockpile 1.2 % 300 feet 550 lbs/LCY rth - Dry packed or	n, Mining & Safety		

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:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4717

Adjusted unit production:	883.02 LCY/hr
Adjusted fleet production:	883.02 LCY/hr

#### JOB TIME AND COST

Fleet size:	1 Dozer(s)
Unit cost:	\$0.538/LCY

Total job time:	<b>1.91</b> Hours
Total job cost:	\$908

## BULLDOZER RIPPING WORK

Task descripti	on: <u>Ri</u>	p road areas					
Site: West Sund	ay	Permit Action:	2024 Update		Permit/Job#:	M198102	21
PROJECT II	DENTIFICAT	ION					
Task #:	013	State: Colorado		Abbr	eviation: 1	None	
	12/3/2024	County: San Migu	el			M021-013	
User:	LJW	· <u> </u>					
Agen	cy or organizatio	n name: DRMS					
HOURLY EC	DUIPMENT C	<u>OST</u>					
Bas	ic Machine: C	at D9T - 9SU		Horsepower:	40	5	
Ripper A		-Shank Ripper		Shift Basis:	1 per	day	
				Data Source:	(CR	G)	
Cost Breakdow	n:						
			1	Utilization %			
		Cost/Hour:		NA			
	Operating (	Cost/Hour:	\$164.35	100			
	per Ownership (			NA			
Ri	pper Operating (			100 NIA			
	-	Cost/Hour:		NA			
	Total Unit (	Cost/Hour:	\$484.37				
	Total Fleet C	Cost/Hour: \$484	4.37				
MATERIAL	QUANTITIES	S Selec	ted estimating n	nethod Area	1		
Alternate Metho			ieu estimating n		•		
Seismic: NA		Bank Volume:	NA	BCY		NA	
Area: 1.10	acres	Rip Depth (ft):	-	Volume:	1 775	INA	BCY or CC
/iicu. <u>1110</u>					1,775		Ber of ce
	Source of est	imated quantity: <u>AM-1</u>	maps				
HOURLY PH	<b>RODUCTION</b>						
Seismic:							
<u>Belsinie.</u>		Seismic Velocity:	NA	feet/sec	ond		
					0114		
<u>Area:</u>	4		2 (2	C d/			
		ge Ripping Depth: ge Ripping Width:	2.63 7.67	feet/pas			
		ge Ripping Width:	300.00	feet/pas feet/pas			
		rage Dozer Speed:	88.00	feet/mir			
		e Maneuver Time:	0.25	minutes			
		ction per unit area:	0.866	acres/ho	-		
Job Condition (	Correction Factor	<u>'S</u>					
Ľ	Jnadjusted Hourl	y Unit Production:	0.866	Acres/h	r		
	5						
		Site Altitude:	5,800	feet (CAT H	ID)		
		Altitude Adj: Job Efficiency:	0.83	(CAT E) (1 shift/	· · · · · · · · · · · · · · · · · · ·		
		Net Correction:	0.83	(1 sint/ multipli	• /		
		Hourly Unit Production:	0.72	Acres/hr			
	Adjusted	Hourly Fleet Production:	0.72	Acres/hr			
JOB TIME A	ND COST						
Fleet size:	1	Grader(s)	Total job time	:1	1.53	Hours	
			Total job cost				

CIRCES Cost Estimating Software

# **REVEGETATION WORK**

Task descri	ption:	Revegetate all disturbed areas		
Site: West Su	nday	Permit Action: 2024	4 Update Permit/Job#	#: M1981021
<b>PROJECT</b>	IDENTIFIC	ATION		
Task #: Date: User:	014 12/3/2024 LJW	State:     Colorado       County:     San Miguel	Abbreviation:	None M021-014
Ag	ency or organi	zation 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
Chisel plowing {DMG}	\$102.41
Total Tilling Cost/Acre	\$102.41

#### **SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Blue Grama - Native	0.48	7.83	\$10.24
Indian Ricegrass - Native	3.71	12.01	\$64.15
Sand Dropseed	0.07	8.36	\$0.91
Bottlebrush Squirreltail	2.04	8.99	\$51.83
Galleta	2.47	9.02	\$136.93
Muttongrass	0.10	2.07	\$4.77
Sagebrush, Mountain or Big	0.10	5.28	\$8.27
Saltbush, Four Wing	0.25	0.34	\$4.97
Winter Fat	0.25	0.64	\$11.68

|--|

#### Application

Description		Cost /Acre
Broadcast seeding [DMG]		\$272.56
	Total Seed Application Cost/Acre	\$272.56

### **MULCHING and MISCELLANEOUS**

#### Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - 2,4D @ 1.0 pt/ac	10.00	ACRE	\$4.13	\$41.27
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$492.78	\$985.56
Total Mulch Materials Cost/Acre				\$1,026.83

### Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$85.37
Weed spray, hand, non-aquatic area, nox. [DMG]		\$209.61
	<b>Total Mulch Application Cost/Acre</b>	\$294.98

#### **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:	10	Cost /Acre:	\$1,990.52
Estimated Failure Rate:	30%	Cost /Acre*:	\$1,990.52
*Selected Replanting Work Items:	TILLING,SEEDIN	G,MULCHING	

Initial Job Cost:	\$19,905.20
Reseeding Job Cost:	\$5,971.56
Total Job Cost:	\$25,877
Job Hours:	32.00

# EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description:	На	ul reclamation eq	uipment to and	d from site	e		
West Sunday   Permit Action:   2024 Update		Permit/Job#: <u>M1981021</u>					
PROJECT IDEN	TIFICATI	ON					
Task #: 015		State: Co	olorado		Abbre	eviation: None	
Date: 12/3	ate: 12/3/2024 County: San Miguel				lename: M021	-015	
Agency of	r organization	n name: DRMS					
EQUIPMENT T	RANSPOR	T RIG COST					
					Shift ba		
				(	Cost Data Sour	rce: CRG Da	ta
Truck	Tractor Desc	ription: GENE	RIC ON-HIGH	WAY TRU	UCK TRACTO	DR, 6X4, DIESEL	POWERED,
		1 			(2ND HALF,		,
Truck	Trailer Desc	cription: G	ENERIC FOLD	DING GOC	SENECK, DF	ROP DECK EQU	IPMENT
			-	<b>FRAILER</b>	(25T, 50T, AN	ND 100T)	
Cost Breakdown:							
-	•,•	0.05 T	<b>A</b> ( <b>5</b> 0 <b>T</b> )	<b>71</b>			
Available Rig Ca		0-25 Tons	26-50 Tons		+ Tons		
Ownership		\$10.44	\$22.18		23.94		
Operating		\$26.48	\$54.55		55.65		
	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	\$1	25.64		
NON ROADABL	<u>LE EQUIP</u>	MENT:					
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	66.13	\$271.95	\$125.64	1	\$397.59	\$125.64	\$250.00
CAT 924H	12.69	\$26.01	\$59.44	1	\$85.45	\$59.44	\$250.00
Cat 324D L 9'-8" Stick	27.33	\$281.20	\$122.78	1	\$403.98	\$122.78	\$250.00
Drill/Broadcast Seeder with Tractor	25.00	\$41.02	\$59.44	1	\$100.46	\$59.44	\$250.00
Power Mulcher (Bowie LD-90)	6.00	\$27.21	\$59.44	1	\$86.65	\$59.44	\$250.00

Subtotals: \$1,074.13 \$426.74 \$1,250.00

#### **ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 3/4 T.	\$13.77	1	\$13.77	\$13.77
		Subtotals:	\$13.77	\$13.77

# **EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region:	NATURITA	
Total one-way travel distance:	40.00	miles
Average Travel Speed:	40.00	mph
Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig:	\$9,798.26	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$27.54	

Transportation Cycle Time:

Haul Time (Hours): Return Time (Hours): Loading Time (Hours):	Non- Roadable Equipment 1.00 1.00 1.00	Roadable Equipment 1.00 1.00 NA
Loading Time (Hours):	1.00	NA
Unloading Time (Hours):	1.00	NA
Subtotals:	4.00	2.00

#### JOB TIME AND COST

Total job time: **8.00** Hours

Total job cost: \$9,826