

June 25, 2025

Byron Chrisman Tomichi Materials, LLC 6909 S Eaton Street Littleton, CO 80128

Re: Tomichi Pit - File No. M-2013-081 Tomichi Materials, LLC Surety Increase (SI-1) Increase FW to \$496,547

Dear Byron Chrisman:

On June 25, 2025 the Division of Reclamation, Mining and Safety increased the Financial Warranty requirement for this permit to \$496,547.00, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of \$227,010.90.

The Division ordered amendment of the current Financial Warranty or submittal of a new Financial Warranty reflecting the increase, is due within 60 days.

Please make arrangements with Sara 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 August 24, 2025.

If you have any questions, please contact me by telephone at (970) 433-8393, or by email at Dustin.czapla@state.co.us.

Sincerely,

Dustin M. Czapla Environmental Protection Specialist



Physical Address: 1313 Sherman Street, Room 215, Denver, CO 80203 P 303.866.3567 F 303.832.8106 Mailing Address: DRMS Room 215, 1001 E 62nd Ave, Denver, CO 80216 <u>https://drms.colorado.gov</u> Jared S. Polis, Governor | Dan Gibbs, Executive Director | Michael A. Cunningham, Director

COST SUMMARY WORK

Task desc	ription:	2025-01-16 Upd	ate			
ite: Tomicl	ni Pit	Pe	rmit Action:	2025-01-16 Update	Permit/Jol	o#: <u>M2013081</u>
PROJEC	<u>T IDENTIFI</u>	CATION				
Task #	: 000	State:	Colorado		Abbreviation:	None
Date	: 1/16/2025	County:	Gunnison		Filename:	000
User	: DMC					

TASK LIST (DIRECT COSTS)

Task		Form	Fleet	Task	
Task	Description	Used	Size	Hours	Cost
01a	Dewater pond for reclamation	PUMPING	1	1,946.13	\$244,221
02a	Dispose of debris	DEMOLISH	1	5.00	\$517
03a	Carry overburden to pit for backfill	LOADER	4	21.70	\$14,447
04a	Push and compact backfilled slope material	DOZER	1	10.11	\$4,803
05a	Backfill and grade sediment pond	DOZER	1	2.01	\$954
06a	Rip compaction on reclamation haul roads	RIPPER	1	2.22	\$1,080
07a	Carry topsoil to upper slopes for replacement	LOADER	1	12.04	\$2,004
08a	Topsoil replacement on upper slopes	DOZER	1	4.58	\$2,177
09a	Rip compaction on former road areas	RIPPER	1	0.74	\$360
10a	Grade former road areas	DOZER	1	0.91	\$434
11a	Rip compaction on former facilities area	RIPPER	1	0.74	\$360
12a	Grade former facility area	DOZER	1	0.91	\$434
13a	Carry topsoil to facilities & road areas for	LOADER	1	29.03	\$4,832
	replacement				
14a	Spread topsoil on facilities area, roads, and other disturba	DOZER	1	5.80	\$2,753
15a	Revegetate wetland areas	REVEGE	1	10.00	\$4,875
16a	Revegetate rangeland areas (excl. permanent berms)	REVEGE	1	20.00	\$25,981
17a	Revegetate permanent berms	REVEGE	1	10.00	\$9,742
18a	Plant trees on permanent berms	REVEGE	1	10.00	\$4,401
19a	Haul reclamation equipment to and from site	MOBILIZE	1	2.40	\$3,775
		<u>SUBTC</u>	DTALS:	2094.32	\$328,150

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02 Total = \$6,629 Total = Performance bond: 1.05 \$3,446 Job superintendent: 1,047.16 Total = \$83,008 Profit: 10.00 Total = \$32,815 TOTAL O & P =\$125,898 CONTRACT AMOUNT (direct + O & P) = $\frac{$454,048}{$454,048}$

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

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

Cost Summary Worksheet Cont'd Tasl	k # 000		Page 2 of 2
Engineering work and/or contract/bid preparation: Reclamation management and/or administration:		Total =	\$19,297 \$22,702
CONTINGENCY:	0.00	Total =	\$0

TOTAL INDIRECT COST = $\$168,397$	TOTAL INDIRECT COST =	\$168,397
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TOTAL BOND AMOUNT (direct + indirect) = _____\$496,547

PUMPING WORK

Task description:	Dewa	ter pond for reclamat	tion		
e: <u>Tomichi Pit</u>		Permit Action:	2025-01-16 Update	Permit/Job#:	M2013081
PROJECT IDENTIF	ICATI	<u>DN</u>			
Task #: 01A Date: 1/16/2025 User: DMC		State: <u>Colorado</u> County: <u>Gunniso</u>		Abbreviation: Filename:	None M081-01a
Agency or orga	nization	name: DRMS			
HOURLY EQUIPM	ENT CO	DST			
	Descri			Quantity	
Make and Model:		fugal pump - 125M, 8 i	n.	2	
Attachment 1:				0	
Attachment 2: Labor Unit 1:	Pump	operator		0	
Horsepower:	70	4			
Shift Basis: 1	per day				
Weight:	1.50				
[*]	S Tons)				
Cost Breakdown:			Utilization %		
Ownership Cost/		\$48.70	NA		
Operating Cost/		\$54.72	100		
Operator Cost/ Total Unit Cost/		\$22.07 \$125.49	NA		
			-		
Total Fleet Cost		\$125.49			
PUMPING QUANTI	TIES				
Initial Pond Vo		1,409.00		Conversion factor:	325850.5800
Final Pond Vo Total Pond Inflow Su		459,123,467.22	gallons	Unit inflow rate in	
	Area:	50,000	Sq. ft.	gph/sq. ft.:	0.0000
Total Pond Inflow Vo		,		81 1	
per 1	Hour:	0.00	gallons		
Source	of estima	ted volume: Permit	plan		
PUMPING TIME					
Ma	ximum P	ump Capacity:	125,000	gph/pump	
		Suction Head:	5	_ feet	
Esti	mated Di	scharge Head: Total Head:	<u> </u>	_ feet feet	
	CPB P	ump Capacity:	98,400	gph/pump	
		Site Altitude:	7,700	feet	
		ping Capacity:	196,800	_ gph	
		umping Time: itial Pumping:	2,332.94	_ hours gallons	
		umping Time:	2,332.94	Hours	
		stment Factor:	0.9100	(3% rule)	
		ciency Factor:	0.9167	(55 min./hr.)	
Total A	djusted P	umping Time:	1,946.14	_ hours	
JOB TIME AND CO	<u>ST</u>		Total job tii	me: 1,946.14	Hours
Unit cost: \$0.0	00532	/Gallon	Total job co	ost: \$244,221	

DEMOLITION WORK

,	Task description:	Dispose of	debris			
Site:	Tomichi Pit		Permit Action:	2025-01-16 Update	Permit/.	Job#: <u>M2013081</u>
<u>PROJE</u>	CT IDENTIFICATION	N				
Task #: Date: User:	1/16/2025	State: County:	Colorado Gunnison		Abbreviation: Filename:	None M081-02a
	Agency or organizat	tion name:	DRMS			
<u>UNIT CO</u>	<u>OSTS</u>				Location adju	stment: 94.70 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Load and haul wood, concrete, metal	20 cy	Loading and 5 mile haul, salvage allowed - Concrete frame structures	20.00	CY	\$16.20	\$324.00
Dump fees for debris	20 cy	Dump fees - Building construction materials.	20.00	CY	\$11.10	\$222.00

				Total Cost	
		Subtotal		(adjusted for	
Job Hours:	5.00	(unadjusted):	\$546.00	location):	\$517.06

WHEEL LOADER - LOAD AND CARRY WORK

m		. .		0005 01		P • / T •	
Tomichi Pit		Permit	Action:	2025-01-1	6 Update	Permit/Job#:	M2013081
PROJECT IDE	NTIELCATIO	N					
FRUJEC I IDE							
Task #: 03A			olorado			Abbreviation:	None
	/2025	County: <u>G</u>	unnison			Filename:	M081-03a
User: DMC	<u> </u>						
Agency of	r organization na	me: DRMS	•				
HOURLY EQU	IPMENT COS	<u>5T</u>					
Basic Mach	ine: CAT 980	н			Horser	oower.	315
Attachmer							er day
		-			Data S		CRG)
<u>Cost Breakdown:</u>			1	Utilizatio	on 0/2		
Ownershin	Cost/Hour:	\$69.00		NA	/11 /0		
	Cost/Hour:	\$60.57		100			
	Cost/Hour:	\$36.85		NA			
-	Cost/Hour:	\$166.42					
T (1 F1		¢((5.70					
I otal Flee	t Cost/Hour:	\$665.70					
	e: <u>13,4</u> ource of estimate e of estimated sw	d volume: I	LCY Division Cat Hand		tion, Mining	& Safety	
Sourc	e of estimated sv	en factor:	Lat Hand	IDOOK			
HOURLY PRO	DUCTION						
HOUKETIKO							
Loader Cycle Time	<u>e:</u> Unadju	sted Basic Cyc	le Time	(load, dum	p, maneuver):	0.550	minutes
Loader Cycle Time Cycle Time		sted Basic Cyc	le Time	(load, dum	p, maneuver):	0.550 Factor (min.)	minutes Source
Cycle Time	e Factors	sted Basic Cyc					
Cycle Time I S	e Factors Material: No a tockpile: No a	djustment - fao djustment - fao	ctor not a	applicable (applicable (0.00	Factor (min.) 0.000 0.000	Source (Cat HB) (Cat HB)
Cycle Time I S Truck Ow	e Factors Material: No a tockpile: No a /nership: No a	djustment - fao djustment - fao djustment - fao	ctor not a ctor not a ctor not a	applicable (applicable (applicable (0.00	Factor (min.) 0.000 0.000 0.000	Source (Cat HB) (Cat HB) (Cat HB)
Cycle Time I S Truck Ow	e Factors Material: No a tockpile: No a mership: No a peration: No	djustment - fac djustment - fac djustment - fac adjustment - fac	ctor not a ctor not a ctor not a ctor not	applicable (applicable (applicable (applicable	0.00 0.00 0.00 0.00	Factor (min.) 0.000 0.000 0.000 0.000 0.000 0.000	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB)
Cycle Time I S Truck Ow	e Factors Material: No a tockpile: No a mership: No a peration: No	djustment - fao djustment - fao djustment - fao	ctor not a ctor not a ctor not a ctor not ctor not a	applicable (applicable (applicable (applicable applicable (0.00 0.00 0.00 0.00 0.00	Factor (min.) 0.000 0.000 0.000 0.000 0.000 0.000 0.000	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)
Cycle Time I S Truck Ow O	e Factors Material: No a tockpile: No a mership: No a peration: No	djustment - fac djustment - fac djustment - fac adjustment - fac	ctor not a ctor not a ctor not a ctor not a ctor not a Net Cyo	applicable (applicable (applicable (applicable applicable (cle Time A	0.00 0.00 0.00 0.00 0.00 0.00 djustment:	Factor (min.) 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Cycle Time I S Truck Ow O	e Factors Material: No a tockpile: No a mership: No a peration: No	djustment - fac djustment - fac djustment - fac adjustment - fac	ctor not a ctor not a ctor not a ctor not a ctor not a Net Cyo	applicable (applicable (applicable (applicable applicable (0.00 0.00 0.00 0.00 0.00 0.00 djustment:	Factor (min.) 0.000 0.000 0.000 0.000 0.000 0.000 0.000	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)
Cycle Time I S Truck Ow O	e Factors Material: No a tockpile: No a mership: No a peration: No o Target: No a	djustment - fao djustment - fao djustment - fao adjustment - fao djustment - fao	ctor not a ctor not a ctor not a ctor not a ctor not a Net Cyo	applicable (applicable (applicable (applicable applicable (cle Time A	0.00 0.00 0.00 0.00 0.00 0.00 djustment:	Factor (min.) 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Cycle Time I S Truck Ow O Dumj	Factors Material: No a tockpile: No a rnership: No a peration: No Target: No a	djustment - fao djustment - fao djustment - fao adjustment - fao djustment - fao <u>ons</u>	ctor not a ctor not a ctor not a ctor not ctor not a Net Cyo Adjust	applicable (applicable (applicable (applicable) applicable (cle Time A ed Basic Cy	0.00 0.00 0.00 0.00 0.00 0.00 djustment: rcle Time:	Factor (min.) 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.550	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Cycle Time I S Truck Ow O Dumj Rolling Resistance	Factors Material: No a tockpile: No a tockpile: No a peration: No a o Target: No a - Road Conditio Haul: Firm, s	djustment - fao djustment - fao djustment - fao adjustment - fao djustment - fao <u>ons</u> mooth, rolling	ctor not a ctor not a ctor not a ctor not a ctor not a Net Cyo Adjust	applicable (applicable (applicable) applicable applicable (cle Time A ed Basic Cy surfaced, w	0.00 0.00 0.00 0.00 0.00 djustment: vcle Time: atered, mainta	Factor (min.) 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.550	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
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Cycle Time I S Truck Ow O Dumj Rolling Resistance	E Factors Material: No a tockpile: No a tockpile: No a peration: No a o Target: No a - Road Condition Haul: Firm, s teturn: Firm, s	djustment - fao djustment - fao djustment - fao adjustment - fao djustment - fao <u>ons</u> mooth, rolling	ctor not a ctor not a ctor not a ctor not a ctor not a Net Cyo Adjust	applicable (applicable (applicable (applicable (applicable (cle Time A ed Basic Cy surfaced, w	0.00 0.00 0.00 0.00 0.00 djustment: vcle Time: atered, mainta	Factor (min.) 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.550	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Cycle Time I S Truck Ow Oj Dumj Rolling Resistance	E Factors Material: No a tockpile: No a tockpile: No a peration: No a o Target: No a - Road Condition Haul: Firm, s teturn: Firm, s	djustment - fao djustment - fao djustment - fao adjustment - fao djustment - fao <u>ons</u> mooth, rolling	ctor not a ctor not a ctor not a ctor not a Net Cya Adjust , dirt/lt.	applicable (applicable (applicable (applicable (applicable (cle Time A ed Basic Cy surfaced, w	0.00 0.00 0.00 0.00 0.00 djustment: vcle Time: atered, mainta	Factor (min.) 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.550	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes
Cycle Time I S Truck Ow Oj Dumj Rolling Resistance	E Factors Material: No a tockpile: No a tockpile: No a peration: No a o Target: No a - Road Condition Haul: Haul: Firm, s teturn: Firm, s ime Length (feet) Length	djustment - fao djustment - fao djustment - fao adjustment - fao djustment - fao <u>ons</u> mooth, rolling mooth, rolling	ctor not a ctor not a ctor not a ctor not a Net Cyo Adjust , dirt/lt. a , dirt/lt. a	applicable (applicable (applicable (applicable (cle Time A ed Basic Cy surfaced, w surfaced, w	0.00 0.00 0.00 0.00 djustment: vcle Time: atered, mainta	Factor (min.) 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.550	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes

3.00

3.00

1200

0.00

Return Route:

0.8751

(Cat HB) (Cat HB)

Total Travel Time:	1.8029	minutes
Total Cycle Time:	2.3529	minutes

Load Bucket Capacity

Rated Capacity:	7.50	LCY (heaped)
Bucket Fill Factor:	0.975	Loose material - mixed moist aggregates (95-100%) 0.975
Adjusted Capacity:	7.31	LCY

<u>Job Condition Correction Factors</u> Site Altitude: <u>7700</u> feet

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

Unadjusted Hourly Unit Production:	186.47	LCY/Hour
Adjusted Hourly Unit Production:	154.77	LCY/Hour
Adjusted Hourly Fleet Production:	619.09	LCY/Hour

Fleet size:	4	Loader(s)	Total job time:	21.70	Hours
Unit cost:	\$1.075	/LCY	Total job cost:	\$14,447	

BULLDOZER WORK

Task description:	I ush and c	ompact backfilled	stope muter iu		
Tomichi Pit		Permit Action:	2025-01-16 Update	Permit/Job#:	M2013081
PROJECT IDENTI	FICATION				
Task #: 04A Date: 1/16/2025		tate: <u>Colorado</u> unty: <u>Gunnison</u>		Abbreviation: Filename:	None M081-04a
User: <u>DMC</u>		DDMC			
Agency or org	anization name:	DRMS			
HOURLY EQUIPM	ENT COST				
	at D9T - 9SU				
Horsepower: 40			_		
• I	emi-Universal				
	shank ripper		_		
	per day		_		
Data Source: (C	CRG)		_		
Cost Breakdown:		1			
0 11 0		*****	<u>Utilization %</u>		
Ownership Cost/Hours		\$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/Hours		\$38.59	NA		
Fotal unit Cost/Hour: Fotal Fleet Cost/Hour: MATERIAL QUAN	\$474.89 \$474.89 TITIES				
Fotal Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 13, Swell factor: 1.0	\$474.89 TITIES 436 00				
Fotal Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 13, Swell factor: 1.0	\$474.89 TITIES 436				
Fotal Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 13, Swell factor: 1.0 Loose volume: 13, Source of estimated vol	\$474.89 TITIES 436 00 436 LCY ume:Div		on, Mining & Safety		
Fotal Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 13, Swell factor: 1.0 Loose volume: 13,	\$474.89 TITIES 436 00 436 LCY ume:Div	vision of Reclamation	on, Mining & Safety		
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Fotal Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 13. Swell factor: 1.0 Loose volume: 13. Source of estimated vol 50 Source of estimated swother 13. HOURLY PRODUC 13. Average push distance: 13. Jnadjusted hourly prod 13. Materials consistency d 13. Average push distance: 13. Jnadjusted hourly prod 13. Materials consistency d 13. Average push gradient: 13. Average push gradient: 13.	\$474.89 TITIES .436 .00 .436 LCY ume: Div .20 %	Handbook et .0 LCY/hr Loose stockpile 1.2			
Fotal Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 13. Swell factor: 1.0 Loose volume: 13. Source of estimated vol Source of estimated swo HOURLY PRODUC Average push distance: Jnadjusted hourly prod Materials consistency d Average site altitude: Material weight: Weight description:	\$474.89 TITIES 436 00 436 LCY ume: Div ell factor: Cat CTION action: 1,872 escription: I -20 % 7,700 feet 2,900 lbs/LC Decomposed	et .0 LCY/hr .oose stockpile 1.2	 		
Fotal Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 13, Swell factor: 1.0 Loose volume: 13, Source of estimated vol Source of estimated vol Source of estimated swo HOURLY PRODUC Average push distance: Jnadjusted hourly prod Materials consistency d Average site altitude: Material weight: Material weight:	\$474.89 TITIES 436 00 436 LCY ume: Div ell factor: Cat CTION action: 60 feat uction: 1,872 escription: I -20 % 7,700 feet 2,900 lbs/LC Decomposed on Factor Eator	et .0 LCY/hr .oose stockpile 1.2			
Fotal Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 13. Swell factor: 1.0 Loose volume: 13. Source of estimated vol 5000000000000000000000000000000000000	\$474.89 TITIES 436 00 436 LCY ume: Div ell factor: Cat CTION action: 60 feat 1,872 escription: I -20 % 7,700 feet 2,900 lbs/LC Decomposed on Factor r r Skill:	Handbook et .0 LCY/hr .oose stockpile 1.2 CY d rock - 50% Rock,			
Fotal Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 13, Swell factor: 1.0 Loose volume: 13, Source of estimated vol Source of estimated vol Source of estimated swo HOURLY PRODUC Average push distance: Jnadjusted hourly prod Materials consistency d Average site altitude: Material weight: Weight description: Iob Condition Correction Operato	\$474.89 TITIES 436 00 436 LCY ume: Div ell factor: Cat CTION uction: 60 fea 1,872 escription: I -20 % 7,700 feet 2,900 lbs/LC Decomposed on Factor r r Skill:	et .0 LCY/hr .oose stockpile 1.2 CY d rock - 50% Rock, 0.750	50% Earth <u>Source</u> (AVG.)		

Task # 04A

Job efficient	ey: 0.830	0 (1 SHIFT/DAY	<i>(</i>)
Spoil pi	le: 0.700) (FND-MF)	
Push gradie	nt: 1.426	6 (CAT HB)	
Altitud	le: 1.000	O (CAT HB)	
Material Weig	nt: 0.793	3 (CAT HB)	
Blade typ	be: 1.000) (PAT)	
Net correction	on:0.7096		
Adjusted unit production:	1,328.37 LCY/hr		
Adjusted fleet production:	1328.37 LCY/hr		

Fleet size:	1 Dozer(s)
Unit cost:	\$0.357/LCY

Total job time:	10.11 Hours
Total job cost:	\$4,803

BULLDOZER WORK

Task description:	Dackilli allu	grade sediment	ponu		
Tomichi Pit		Permit Action:	2025-01-16 Update	Permit/Job#:	M2013081
PROJECT IDENT	FICATION				
Task #: 05A	Sta	te: Colorado		Abbreviation:	None
Date: $\frac{0.5}{1/16/202}$				Filename:	M081-05a
User: DMC	<u> </u>	<u></u>		-	
Agency or or	ganization name:	DRMS			
HOURLY EQUIPM	<u>IENT COST</u>				
Basic Machine: 0	Cat D9T - 9SU				
Horsepower: 4	05				
Blade Type: S	Semi-Universal				
Attachment: 3	shank ripper				
Shift Basis: 1	per day				
Data Source: (CRG)				
Cost Breakdown:					
			Utilization %		
Ownership Cost/Hou	r:	\$253.16	NA		
Operating Cost/Hour		\$164.35	100		
Ripper own. Cost/Hou		\$18.79	NA		
Ripper op. Cost/Hou	r:	\$0.00	0		
Operator Cost/Hou:	r:	\$38.59	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour:	\$474.89 \$474.89				
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 93	\$474.89 \$474.89 \$474.89 NTITIES 36				
Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUAN</u> Initial Volume: <u>93</u> Swell factor: <u>1</u> .	\$474.89 \$474.89 NTITIES				
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 93 Swell factor: 1. Loose volume: 1. Source of estimated vo Source of estimated sw	\$474.89 \$474.89 \$474.89 NTITIES 36 125 053 LCY lume: Divis yell factor: Cat H	ion of Reclamati Iandbook	on, Mining & Safety		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 93 Swell factor: 1. Loose volume: 1, Source of estimated vo Source of estimated sw HOURLY PRODU	\$474.89 \$474.89 \$474.89 NTITIES 36 125 053 LCY Jume: Divis vell factor: Cat H CTION	Iandbook	on, Mining & Safety		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 92 Swell factor: 1. Loose volume: 1, Source of estimated vo Source of estimated sw HOURLY PRODUG Average push distance	\$474.89 \$474.89 \$474.89 NTITIES 36 125 053 LCY lume: Divis rell factor: Cat H CTION : 100 fee	Iandbook t	on, Mining & Safety		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 93 Swell factor: 1. Loose volume: 1, Source of estimated vo Source of estimated sw HOURLY PRODUG Average push distance Unadjusted hourly product	\$474.89 \$474.89 \$474.89 \$474.89 36 125 053 LCY lume: Divis vell factor: Cat H CTION : 100 fee duction: 1,243.2	Iandbook t LCY/hr			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 93 Swell factor: 1. Loose volume: 1. Source of estimated vo Source of estimated sw HOURLY PRODUC Average push distance Unadjusted hourly proc Materials consistency of	\$474.89 \$474.89 \$474.89 \$474.89 36 125 053 LCY Jume: Divis vell factor: Cat H CTION : 100 fee duction: 1,243.2 description: Co	Iandbook t			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 93 Swell factor: 1. Loose volume: 1, Source of estimated vo Source of estimated sw HOURLY PRODUG Average push distance Unadjusted hourly product	\$474.89 \$474.89 \$474.89 \$474.89 36 125 053 LCY Jume: Divis vell factor: Cat H CTION : 100 fee duction: 1,243.2 description: Co	Iandbook t LCY/hr			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 92 Swell factor: 1. Loose volume: 1, Source of estimated vo Source of estimated sw HOURLY PRODUC Average push distance Unadjusted hourly proc Materials consistency of Average push gradient	\$474.89 \$474.89 \$474.89 \$474.89 \$6 125 053 LCY dume: Divis vell factor: Cat H CTION : 100 fee duction: 1,243.2 description: Co : -5 %	Iandbook t LCY/hr nsolidated stockp			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 92 Swell factor: 1. Loose volume: 1, Source of estimated vo Source of estimated sw HOURLY PRODUC Average push distance Unadjusted hourly proc Materials consistency of Average push gradient Average site altitude:	\$474.89 \$474.89 \$474.89 \$474.89 \$36 125 053 LCY Jume: Divis vell factor: Cat F CTION : 100 fee duction: 1,243.2 description: Co : -5 % 7,700 feet 2,650 lbs/LCY	Iandbook t LCY/hr nsolidated stockp			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 92 Swell factor: 1. Loose volume: 1, Source of estimated vo Source of estimated vo Source of estimated sw HOURLY PRODUC Average push distance Unadjusted hourly proc Materials consistency of Average push gradient Average site altitude: Material weight: Weight description: Job Condition Correctit		Iandbook t LCY/hr nsolidated stockp			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 92 Swell factor: 1. Loose volume: 1, Source of estimated vo Source of estimated vo Source of estimated vo Source of estimated vo Materials consistency of Average push distance Unadjusted hourly prod Materials consistency of Average push gradient Average site altitude: Material weight: Weight description: Job Condition Correctin Operate		Iandbook t LCY/hr nsolidated stockp r ock - 25% Rock 0.750	bile 1.0		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 93 Swell factor: 1. Loose volume: 1, Source of estimated vo Source of estimated vo Source of estimated sw HOURLY PRODUG Average push distance Unadjusted hourly prod Materials consistency of Average push gradient Average site altitude: Material weight: Weight description: Job Condition Correcti Operate Material cons	$ \begin{array}{r} & \$474.89 \\ \hline $474.89 $	Iandbook t LCY/hr nsolidated stockp 			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 92 Swell factor: 1. Loose volume: 1. Source of estimated vo Source of estimated vo Source of estimated sw HOURLY PRODUC Average push distance Unadjusted hourly proc Materials consistency of Average push gradient Average site altitude: Material weight: Weight description: Job Condition Correction Operate Material cons Dozing to Dozing to	$ \begin{array}{r} & \$474.89 \\ \hline $474.89 $	Iandbook t LCY/hr nsolidated stockp r ock - 25% Rock 0.750	bile 1.0		

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.700	(FND-MF)
Push gradient:	1.115	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.868	(CAT HB)
Blade type:	1.000	(PAT)
Net correction:	0.4217	
Adjusted unit production:	524.26 LCY/hr	
Adjusted fleet production:	524.26 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$0.906/LCY

Total job time:	2.01 Hours
Total job cost:	\$954

BULLDOZER RIPPING WORK

	Task description:	Rip compaction on recl	amation haul roads		
Site	: Tomichi Pit	Permit Act	ion: <u>2025-01-16 Upd</u>	ate Permit/Job#	#: <u>M2013081</u>
	PROJECT IDE	NTIFICATION			
	Task #: 06A Date: 1/16 User: DM	G/2025 County: Gunr		Abbreviation: Filename:	None M081-06a
	Agency	or organization name: DRMS			
	HOURLY EQU	JIPMENT COST			
	Basic M Ripper Atta	Iachine: Cat D9T - 9SU chment: 3-Shank Ripper			405 per day (CRG)
	Cost Breakdown:				
		Ownership Cost/Hour:	L \$253.16 \$164.35 \$18.79 \$9.48 \$38.59 \$484.37	NA 100 NA 100 NA 100 NA 100 NA	
		Total Fleet Cost/Hour:	\$484.37		
	MATERIAL O				
	MATERIAL Q		Selected estimating m	ethod: <u>Area</u>	
а· .	Alternate Methods			DOV	
Seismic: Area:	NA 1.50	Bank Volui acres Rip Depth (BCY Volume: 2,420	NA BCY or CC
		Source of estimated quantity: P	ermit map		
	HOURLY PRO	DUCTION			
	Seismic:				
		Seismic Velocity:	NA	feet/second	
	<u>Area:</u>	Average Ripping Depth: Average Ripping Width: Average Ripping Length:	2.63 7.67 150.00	feet/pass feet/pass feet/pass	
		Average Dozer Speed: _ Average Maneuver Time:	<u> </u>	feet/minute minutes/pass	
		Production per unit area:	0.811	acres/hour	
	Job Condition Con	rection Factors			
	Una	djusted Hourly Unit Production:	0.811	Acres/hr	
		Site Altitude:	7,700	feet	
		Altitude Adj: _ Job Efficiency:	<u>1.00</u> 0.83	(CAT HB) (1 shift/day)	
		Net Correction:	0.83	(1 sinit day)	
		Adjusted Hourly Unit Produc Adjusted Hourly Fleet Produc		Acres/hr Acres/hr	
	JOB TIME AN				
	Fleet size:	1 Grader(s)	Total job time:	2.23	Hours
	Unit cost:	\$719.772 Per acre	Total job cost:	\$1,080	

WHEEL LOADER - LOAD AND CARRY WORK

Task description:	Carry to	psoil to upper s	lopes for repla	cement		
e: Tomichi Pit		Permit Acti	on: <u>2025-01-</u>	16 Update	Permit/Job	#: <u>M2013081</u>
PROJECT IDEN	TIFICATION					
Task #: 07A		State: Colora	ado		Abbreviation:	None
Date: 1/16/2	025 (County: Gunni			Filename:	
User: DMC		2				
Agency or	organization nam	ne: DRMS				
HOURLY EQUI	PMENT COST	<u>]</u>				
Basic Machir	ne: CAT 980H			Horse	epower:	315
Attachment	1: ROPS Cab		_			per day
				Data	Source:	(CRG)
Cost Breakdown:						
			Utilizatio	on %		
Ownership (\$69.00	NA			
Operating (\$60.57	100			
Operator (\$36.85	NA			
Total Unit C	Cost/Hour:	\$166.42				
Total Fleet	Cost/Hour:	\$166.42				
MATERIAL QU	ANTITIES					
			<i>.</i>			
Initial volume:		ССҮ /		ell factor:	1.000	
Loose volume:	2,007					
	arce of estimated		sion of Reclama	ation, Mining	g & Safety	
Source	of estimated swe	Il factor: <u>Cat I</u>	Handbook			
HOURLY PROD	UCTION					
Loader Cycle Time:		- 1 De sie Couste T			0.550	
	j	ed Basic Cycle T	ime (load, dum	p, maneuver		minutes
Cycle Time					Factor (min.)	Source
		ustment - factor			0.000	(Cat HB)
		ustment - factor			0.000	(Cat HB)
Truck Own		justment - factor ljustment - factor			0.000 0.000	(Cat HB) (Cat HB)
Dump		justment - factor			0.000	(Cat HB)
Dump			t Cycle Time A		0.000	minutes
			ljusted Basic C		0.550	minutes
Rolling Resistance -	- Road Condition		, .	,	*	
-			·//· · · · · · · · · · · · · · · · · ·	· · ·	. 120	
		ooth, rolling, dir ooth, rolling, dir				
Haul and Return Tir	·	<u> </u>				
That and rotain Th						I
	Length	Grade Res.	Rolling	Total Res.		Source
II1 D4	(feet)	(%)	Res. (%)	(%)	(minutes)	
Haul Route:		0.00	3.00	3.00	0.9277	(Cat HB)
Return Route:	1200	0.00	3.00	3.00	0.8751	(Cat HB)

			Total Travel Total Cycle		1.8029 2.3529	minutes
Load Bucket Capacity						
Rated Capacity	y:7.50	LCY (hea	uped)			
Bucket Fill Facto	r: 1.050	Other - m	oist loam	(100-110%)	1.050	
Adjusted Capacity	y: 7.88	LCY				
Job Condition Correction Site Altitude: <u>7700</u> feet	n Factors					
		Source				
Altitude Adj:	1.00	(CAT HB	3)			
Job Efficiency:	0.83	(1 shift/da	y)			
Net Correction:	0.83	multiplier	<u> </u>			
Un	adjusted Hourly Unit I	Production:	200.82	LCY/Ho	our	
F	Adjusted Hourly Unit I	Production:	166.68	LCY/Ho	our	
А	djusted Hourly Fleet I	Production:	166.68	LCY/Ho	our	
JOB TIME AND CO	<u>ST</u>					
Fleet size:	Loader(s)		Total job time:	:1	2.04	Hours
Unit cost: \$0.	998 /LCY		Total job cost:	:\$2	2,004	

BULLDOZER WORK

Task description:	Topsoil replacen	ient on uppe	er slopes		
Tomichi Pit	Per	mit Action:	2025-01-16 Update	Permit/Job#:	M2013081
PROJECT IDENTI	FICATION				
Task #: 08A	State:	Colorado		Abbreviation:	None
Date: $1/16/2025$		Gunnison		Filename:	M081-08a
User: DMC	County.	Guillison			101001 000
Agency or org	anization name:	RMS			
HOURLY EQUIPM	ENT COST				
	at D9T - 9SU				
Horsepower: 40					
• 1	emi-Universal				
	shank ripper				
	per day				
Data Source: (C	CRG)				
Cost Breakdown:		I	TT.11 0/		
Our anchine C 4/II		¢252 16	Utilization %		
Ownership Cost/Hour:		\$253.16	<u>NA</u>		
Operating Cost/Hour:		\$164.35	<u>100</u>		
Ripper own. Cost/Hour:		\$18.79	NA		
Ripper op. Cost/Hour:		\$0.00	0		
$O_{\rm m} = 0.000 {\rm m}^{-1}$		\$38.59	NA		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN	\$474.89 \$474.89				
Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUAN</u> Initial Volume: <u>2,0</u> Swell factor: <u>1.1</u>	\$474.89 \$474.89 TITIES 07 25				
Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUAN</u> Initial Volume: <u>2,0</u> Swell factor: <u>1.1</u>	\$474.89 \$474.89 TITIES 07				
Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUAN</u> Initial Volume: <u>2,0</u> Swell factor: <u>1.1</u>	\$474.89 \$474.89 TITIES 07 25 58 LCY		on, Mining & Safety		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 2,0 Swell factor: 1.1 Loose volume: 2,2	\$474.89 \$474.89 TITIES 07 25 58 LCY ume:Division	 of Reclamati			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 2,0 Swell factor: 1.1 Loose volume: 2,2 Source of estimated volt Source of estimated sweet	\$474.89 \$474.89 \$474.89 TITIES 07 25 58 LCY ume: Division ell factor: Cat Hand	 of Reclamati			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 2,0 Swell factor: 1.1 Loose volume: 2,2 Source of estimated volt 2,2	\$474.89 \$474.89 \$474.89 TITIES 07 25 58 LCY ume: Division ell factor: Cat Hand	 of Reclamati			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 2,0 Swell factor: 1.1 Loose volume: 2,2 Source of estimated volt Source of estimated sweet HOURLY PRODUC Average push distance:	\$474.89 \$474.89 TITIES 07 25 58 LCY ume: Division cat Hand CTION 80 feet	of Reclamati			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 2,0 Swell factor: 1.1 Loose volume: 2,2 Source of estimated volt Source of estimated sweet HOURLY PRODUCT	\$474.89 \$474.89 TITIES 07 25 58 LCY ume: Division cat Hand CTION 80 feet	of Reclamati			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 2,0 Swell factor: 1.1 Loose volume: 2,2 Source of estimated volt Source of estimated sweet HOURLY PRODUC Average push distance:	\$474.89 \$474.89 \$474.89 TITIES 07 25 58 LCY ume: Division ell factor: Cat Hand CTION uction: <u>80 feet</u> 1,460.1 LC	of Reclamati	on, Mining & Safety		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 2,0 Swell factor: 1.1 Loose volume: 2,2 Source of estimated volt Source of estimated sweet HOURLY PRODUC Average push distance: Unadjusted hourly produce Materials consistency definition	\$474.89 \$474.89 \$474.89 TITIES 07 25 58 LCY ume: Division ell factor: Cat Hand CTION wurding 80 feet uction: 1,460.1 LC escription: Consol	of Reclamati book	on, Mining & Safety		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 2,0 Swell factor: 1.1 Loose volume: 2,2 Source of estimated volto Source of estimated sweet HOURLY PRODUC Average push distance: Unadjusted hourly product	\$474.89 \$474.89 \$474.89 TITIES 07 25 58 LCY ume: Division ell factor: Cat Hand CTION uction: <u>80 feet</u> 1,460.1 LC	of Reclamati book	on, Mining & Safety		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 2,0 Swell factor: 1.1 Loose volume: 2,2 Source of estimated volt Source of estimated sweet HOURLY PRODUC Average push distance: Unadjusted hourly produce Materials consistency de Average push gradient: Stational	\$474.89 \$474.89 \$474.89 TITIES 07 25 58 LCY ume: Division ell factor: Cat Hand CTION uction: 1,460.1 LC escription: Consol 5 %	of Reclamati book	on, Mining & Safety		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 2,0 Swell factor: 1.1 Loose volume: 2,2 Source of estimated volt Source of estimated sweet HOURLY PRODUC Average push distance: Unadjusted hourly product Materials consistency de Average push gradient: Average site altitude:	\$474.89 \$474.89 \$474.89 07 25 58 LCY ume: Division ell factor: Cat Hand CTION uction: 1,460.1 LC escription: Consol -5 % 7,700 feet	 of Reclamati book Y/hr idated stockp	on, Mining & Safety		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 2,0 Swell factor: 1.1 Loose volume: 2,2 Source of estimated volt Source of estimated volt Source of estimated volt Materials consistency de Average push distance: Unadjusted hourly produ Materials consistency de Average site altitude: Material weight: Weight description: Job Condition Correction	\$474.89 \$474.89 \$474.89 \$107 25 58 LCY ume: Division cat Hand CTION action: 80 feet uction: 1,460.1 LC escription: Consol -5 % 7,700 feet 2,650 lbs/LCY Decomposed rock on Factor	 of Reclamati book Y/hr idated stockp - 25% Rock,	on, Mining & Safety 		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 2,0 Swell factor: 1.1 Loose volume: 2,2 Source of estimated volt Source of estimated volt Source of estimated volt Source of estimated sweet HOURLY PRODUC Average push distance: Unadjusted hourly product Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operator	$ \begin{array}{r} & \$474.89 \\ \hline \$474.89 \\ \hline \$474.89 \\ \hline \\ \hline \\ \$474.89 \\ \hline \\ $		on, Mining & Safety 		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 2,0 Swell factor: 1.1 Loose volume: 2,2 Source of estimated volt Source of estimated sweet HOURLY PRODUC Average push distance: Unadjusted hourly product Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operator Material consist	$ \begin{array}{r c c c c c c c c c c c c c c c c c c c$		on, Mining & Safety 		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 2,0 Swell factor: 1.1 Loose volume: 2,2 Source of estimated volt Source of estimated sweet HOURLY PRODUC Average push distance: Unadjusted hourly product Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operator Material consist Dozing m	$ \begin{array}{r} \underline{\$474.89} \\ \underline{\$474.89} \\ \hline \\ \underline{\$474.89} \\ \hline \\ \hline \\ \underline{\$474.89} \\ \hline \\ \hline \\ \hline \\ \underline{\$474.89} \\ \hline \\ $		on, Mining & Safety 		

Task # 08A

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.700	(FND-MF)
Push gradient:	1.115	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.868	(CAT HB)
Blade type:	1.000	(PAT)
Net correction:	0.3374	
Adjusted unit production: 4	92.64 LCY/hr	
Adjusted fleet production: 4	92.64 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$0.964/LCY

Total job time:	4.58 Hours
Total job cost:	\$2,177

BULLDOZER RIPPING WORK

Source of estimated quantity:		Task description	: <u>R</u>	ip compaction on former 1	oad areas			
Task #: 09A State: Colorado Abbreviation: Non: M081-09a Date: DMC DMS Agency or organization name: DRMS Horsepower: 405 Ripper Atachment: 3-Shank Ripper Bisis: 1 per day Data Source: (CRG) (CRG) Ownership Cost/Hour: 516.13 100 Ripper Ownership Cost/Hour: 518.79 NA NA Operating Cost/Hour: 518.79 NA NA Ripper Ownership Cost/Hour: 518.79 NA NA Operator Cost/Hour: 518.79 NA NA Attenuate Methods: Selected estimating method: Area 0.50 acres Bink Volume: NA feet/second Area: 0.50 acres Bink Volume: NA feet/pass Average Ripping Depth: 2.63 feet/pass Average Ripping Length: feet/pass Average Ripping Length: 150.00 feet/pass Average Ripping Length: feet/pass Average Ripping Length: 150.00 <	Site	: <u>Tomichi Pit</u>		Permit Action:	2025-01-16 Upd	late Permit/	Job#: <u>M20</u>	13081
Date: 11/16/2025 County: Gunmison Filename: 10081-09a Agency or organization name: DRMS HOURLY FOULPMENT COST Horsepower: 405 Ripper Atlachment: 3-Shank Ripper Shift Basis: 1 per day Ownership Cost/Hour: \$253,16 NA (CRG) Cost Breakdown: 0ovnership Cost/Hour: \$18,79 NA Ripper Ownership Cost/Hour: \$18,79 NA NA Ripper Operating Cost/Hour: \$18,87 NA NA Operator Cost/Hour: \$18,87 NA NA Ripper Operator Cost/Hour: \$18,87 NA NA Operator Cost/Hour: \$18,87 NA NA Operator Cost/Hour: \$18,87 NA NA Atternate Methods: State.37 Total Unit Cost/Hour: \$18,87 atternate Methods: setected estimating method: Area Atternate Methods: setes Bank Volume: NA Steismic: Seismic Velocity: NA feet/second Area: Average Ripping Depth: 2.63 feet/second		PROJECT ID	ENTIFICA	TION				
HOURLY FOUPPENT COST Basic Machine: Cat D9T - 9SU Horsepower: 405 Ripper Attachment: 3-Shank Ripper Data Source: (CRG) Ownership Cost/Hour: \$253.16 NA Operating Cost/Hour: \$253.16 NA Operating Cost/Hour: \$164.35 100 Operator Cost/Hour: \$184.37 100 Operator Cost/Hour: \$38.59 NA Ripper Operating Cost/Hour: \$484.37 100 Total Unit Cost/Hour: \$484.37 100 Total Unit Cost/Hour: \$484.37 100 Marcei Methods: Selected estimating method: Area Area: 0.50 acres Bank Volume: NA BCY NA Source of estimated quantity: Permit plan Permit plan Pervage Ripping Depth: 2.63 feet/pass Average Ripping Depth: 2.63 feet/pass Average Ripping Depth: 2.63 feet/pass Average Ripping Depth: 0.60 feet/pass Average Ripping Depth: 2.63 feet/pass Average Ripping Depth: 0.61 feet/pass		Date: 1/	16/2025					-09a
IDURLY COLPARENT COST Basic Machine: Cat D9T - 9SU Horsepower: 405 Ripper Attachment: 3-Shank Ripper Data Source: (CRG) Outer ship Cost/Hou:: 5253.16 Mainer Schwart 0 0 0 Operating Cost/Hou:: 5164.35 100 Operating Cost/Hou:: 518.43.7 100 Operator Cost/Hou:: 5484.37 100 Total Fleet Cost/Hou:: 5484.37 100 Total Unit Cost/Hou:: 5484.37 100 Total Fleet Cost/Hou:: 5484.37 100 Materia 0.50 acres Bank Volume: NA Area: 0.50 acres Bank Volume: NA BCY NA Area: 0.50 acres Bank Volume: NA feet/second Area: 0.50 acres Bank Volume: NA feet/second Area: 0.50 feet/pass feet/pass Average Ripping Dength: 2.63 feet/pass Area: Average Ripping Dength: 2.63 feet/pass Average Rip		Agency	y or organizati	on name: DRMS				
Basic Machine: Cat D97 - 9SU Horsepower: 405 Ripper Attachment: 3:Shank Ripper Baits Source: Iper day Data Source: (CRG) Overership Cost/Hour: \$253.16 100 Ripper Ownership Cost/Hour: \$164.35 100 Ripper Operating Cost/Hour: \$18.79 NA Operating Cost/Hour: \$53.8.99 NA Operating Cost/Hour: \$5484.37 Total Unit Cost/Hour: \$484.37 Total Fleet Cost/Hour: \$484.37 Total Fleet Cost/Hour: \$484.37 MATERIAL OUNTITIES Selected estimating method: Area Area: 0.50 acres Rip Depth (1): 1.00 Volume: 807 BCY Source of estimated quantity: Permit plan HOURLY PRODUCTION Seismic Cet/second Area: Average Ripping Depth: 2.63 fcet/pass Average Ripping Vielth: 7.67 fcet/pass Average Ripping Vielth: 7.67 fcet/pass Average Ripping Vielth: 7.67 fcet/pass Average Ripping Vielth: <			-					
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day Data Source: Cost Breakdown: 0 0 0 Operating Cost/Hour: \$253.16 NA Operating Cost/Hour: \$164.33 100 Ripper Ownership Cost/Hour: \$18.79 NA Ripper Operating Cost/Hour: \$18.79 NA Operating Cost/Hour: \$18.8.90 NA Operating Cost/Hour: \$18.4.37 Total Unit Cost/Hour: \$484.37 Total Fleet Cost/Hour: \$484.37 MATERIAL OUANTITIES Selected estimating method: Area: 0.50 acres Source of estimated quantity: Permit plan HOURLY PRODUCTION Seismic \$400 Scismic: Seismic Velocity: NA feet/second Area: Average Ripping Depth: 2.63 feet/pass Average Ripping Viditi 7.67 feet/pass Average Ripping Viditi Average Ripping Viditi 7.67 feet/pass Average Ripping Viditi 7.67 Average Ripping Viditi 7.67 feet/pass Average Ripping Viditi 7.67						Horsenower:	405	
Cost Breakdown:							1 per day	
						Data Source:	(CRG)	
Ownership Cost/Hour: \$223.16 NA Operating Cost/Hour: \$3164.35 100 Ripper Operating Cost/Hour: \$9.48 100 Operator Cost/Hour: \$9.48 100 Operator Cost/Hour: \$848.37 Total Uni Cost/Hour: \$484.37 MATERIALOUANTITIES Selected estimating method: Area Alternate Methods: ismic: NA BCY NA Area: 0.50 acres Rip Depth (ft): 1.00 Volume: 807 BCY Surce of estimated quantity: Permit plan Permit plan MA BCY NA BCY Scismic: Seismic Velocity: NA feet/second Average Ripping Depth: 7.67 feet/pass Average Ripping Depth: 2.63 feet/pass Average Ripping Nidth: 7.66 feet/pass Average Ripping Depth: 0.25 mitues/pass acres/hour Average Ripping Length: 150.00 feet/pass Average Ripping Depth: 0.63 0.811 acres/hour Average Ripping Length: 1.60 0.11 acres/hour Ibb Co		Cost Breakdown	<u>ı:</u>			[]4:1:4: 0/		
Operating Cost/Hour: \$16.35 100 Ripper Operating Cost/Hour: \$18.79 NA Ripper Operating Cost/Hour: \$38.59 NA Operator Cost/Hour: \$38.59 NA Total Unit Cost/Hour: \$484.37 Total Unit Cost/Hour: \$484.37 MATERIAL OUANTITIES Selected estimating method: Area Alternate Methods: ismic: NA BCY NA Area: 0.50 acres Rip Depth (ft): 1.00 Volume: 807 BCY Source of estimated quantity: Permit plan Permit plan Production BCY Source of estimate quantity: Permit plan HOURLY PRODUCTION Seismic: Seismic Velocity: NA feet/second Area: Average Ripping Depth: 7.67 feet/pass Average Ripping Length: 150.00 feet/pass Average Ripping Length: 0.25 minutes/pass Production per unit area: 0.811 acres/hr Site Altitude 7.700 feet Job Condition Correction Factors 0.83 (LAT HB)			Ownership	Cost/Hour:				
Ripper Operating Cost/Hour: \$9.48 100 Operator Cost/Hour: \$38.59 NA Total Unit Cost/Hour: \$484.37 Total Fleet Cost/Hour: \$484.37 MATERIAL QUANTITIES Selected estimating method: Area Alternate Methods: ismic: NA BCY NA ismic: NA Bank Volume: NA BCY NA Area: 0.50 acres Rip Depth (ft): 1.00 Volume: 807 BCY Source of estimated quantity: Permit plan Permit			Operating	Cost/Hour:	\$164.35	100		
Operator Cost/Hour: \$38.59 NA Total Unit Cost/Hour: \$484.37 Total Fleet Cost/Hour: \$484.37 Total Fleet Cost/Hour: \$484.37 MATERIAL QUANTITIES Selected estimating method: Area Alternate Methods: ismic: NA BCY NA Area: 0.50 acres Rip Depth (ft): 1.00 Volume: 807 BCY Source of estimated quantity: Permit plan HOURLY PRODUCTION Seismic: Seismic: Seismic Velocity: NA feet/second Area: Average Ripping Depth: 2.63 feet/pass feet/pass Average Ripping Length: 150.00 feet/pass Average Ripping Length: 150.00 Average Ripping Length: 150.00 feet/pass Average Ripping Length: 150.00 feet/pass Average Maneuver Time: 0.25 minutes/pass Production per unit area: 0.811 acres/hour Job Condition Correction Factors Unadjusted Hourly Unit Production: 0.83 (1 shift/day) Net Correction: 0.033 multiplier Adjusted Hourly Unit Production: 0.								
Total Unit Cost/Hour:		Rip						
MATERIAL QUANTITIES Selected estimating method: <u>Area</u> Alternate Methods: ismic: NA <u>0.50</u> acres Rip Depth (ft): <u>1.00</u> Volume: <u>807</u> BCY Source of estimated quantity: <u>Permit plan</u> HOURLY PRODUCTION Seismic: Scismic Velocity: Average Ripping Depth: <u>2.63</u> Average Ripping Depth: <u>2.63</u> Average Ripping Depth: <u>7.67</u> Average Ripping Length: <u>150.00</u> Average Ripping Depth: <u>2.63</u> Average Ripping Depth: <u>2.63</u> Average Ripping Depth: <u>2.63</u> Average Ripping Dength: <u>150.00</u> Average Ripping Length: <u>150.00</u> Job Condition Correction Factors <u>0.811</u> Unadjusted Hourly Unit Production:			-					
MATERIAL QUANTITIES Selected estimating method: <u>Area</u> Alternate Methods: ismic: NA <u>0.50</u> acres Rip Depth (ft): <u>1.00</u> Volume: <u>807</u> BCY Source of estimated quantity: <u>Permit plan</u> HOURLY PRODUCTION Seismic: Scismic Velocity: Average Ripping Depth: <u>2.63</u> Average Ripping Depth: <u>2.63</u> Average Ripping Depth: <u>7.67</u> Average Ripping Length: <u>150.00</u> Average Ripping Depth: <u>2.63</u> Average Ripping Depth: <u>2.63</u> Average Ripping Depth: <u>2.63</u> Average Ripping Dength: <u>150.00</u> Average Ripping Length: <u>150.00</u> Job Condition Correction Factors <u>0.811</u> Unadjusted Hourly Unit Production:			Total Float	Cost/Hours \$49				
Alternate Methods: iismic: NA 0.50 acres Rip Depth (ft): 1.00 Volume: 807 BCY Source of estimated quantity: Permit plan HOURLY PRODUCTION Scismic: Seismic Velocity: Average Ripping Depth: 2.63 Average Ripping Width: 7.67 Average Ripping Length: 2.63 Average Ripping Length: 9.25 Average Ripping Length: 0.25 Average Maneuver Time: 0.25 Average Maneuver Time: 0.25 Matitude Adj: 1.00 (Indijusted Hourly Unit Production: 0.811 Acres/hur Site Altitude: Adjusted Hourly Unit Production: 0.83 (Ishift/day) Net Correction: Job Efficiency: 0.83 Adjusted Hourly Unit Production: 0.67 Acres/hr Acres/hr Adjusted Hourly Unit Production: 0.67 Acres/hr Acres/hr Adjusted Hourly Unit Production: 0.67 Acres/hr Acres/hr					H.J /			
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Source of estimated quantity: Permit plan HOURLY PRODUCTION Seismic: NA feet/second Area: Average Ripping Depth: Average Ripping Uength: 2.63 Average Ripping Uength: 7.67 Average Ripping Uength: 150.00 Average Ripping Length: 150.00 Average Maneuver Time: 0.25 Mount of perturb readers 0.811 Job Condition Correction Factors 0.811 Unadjusted Hourly Unit Production: 0.811 Job Efficiency: 0.83 Industed Hourly Unit Production: 0.67 Acres/hr 0.67 Adjusted Hourly Unit Production: 0.67 Adjusted Hourly Fleet Production: 0.67 Acres/hr Adjusted Hourly Fleet Production: Adjusted Hourly Fleet Production: 0.67 Acres/hr Acres/hr Hours Fleet size:	ismic:	-					NA	
HOURLY PRODUCTION Seismic: Seismic: NA feet/second Area: Average Ripping Depth: Average Ripping Length: Average Dozer Speed: 88.00 Average Maneuver Time: 0.25 minutes/pass Production per unit area: 0.811 acres/hour Job Condition Correction Factors Unadjusted Hourly Unit Production: Site Altitude 7,700 feet Altitude Adj: 1.00 (CAT HB) Job Efficiency: 0.83 Mature Hourly Unit Production: 0.67 Acres/hr Adjusted Hourly Unit Production: 0.67 Acres/hr Adjusted Hourly Unit Production: 0.67 Acres/hr Adjusted Hourly Fleet Production: 0.67 Acres/hr Acres/hr	Area:	0.50	acres	Rip Depth (ft):	1.00	Volume: 807		BCY or C
Seismic: Seismic Velocity: NA feet/second Area: Average Ripping Depth: 2.63 feet/pass Average Ripping Length: 150.00 feet/pass Average Ripping Length: 150.00 feet/pass Average Ripping Length: 0.25 minutes/pass Average Maneuver Time: 0.25 minutes/pass Production per unit area: 0.811 acres/hour Job Condition Correction Factors 100 (CAT HB) Job Efficiency: 0.83 (1 shift/day) Net Correction: 0.83 multiplier Adjusted Hourly Unit Production: 0.67 Acres/hr Adjusted Hourly Fleet Production: 0.67 Acres/hr Adjusted Hourly Fleet Production: 0.67 Acres/hr Het size: 1 Grader(s) Total job time: 0.74 Hours			Source of e	stimated quantity: Permi	t plan			
Seismic: NA feet/second Area: Average Ripping Depth: 2.63 feet/pass Average Ripping Udth: 7.67 feet/pass Average Ripping Length: 150.00 feet/pass Average Ripping Length: 0.25 minutes/pass Average Maneuver Time: 0.25 minutes/pass Production per unit area: 0.811 acres/hour Dbb Condition Correction Factors 100 (CAT HB) Job Efficiency: 0.83 (1 shift/day) Net Correction: 0.83 multiplier Adjusted Hourly Unit Production: 0.67 Acres/hr Adjusted Hourly Unit Production: 0.67 Acres/hr Dab Efficiency: 0.67 Acres/hr Adjusted Hourly Fleet Production: 0.67 Acres/hr JOB TIME AND COST 0.67 Acres/hr Fleet size: 1 Grader(s) Total job time: 0.74 Hours		HOURLY PR	ODUCTION	N				
Seismic Velocity: NA feet/second Area: Average Ripping Depth: 2.63 feet/pass Average Ripping Width: 7.67 feet/pass Average Ripping Length: 150.00 feet/pass Average Ripping Length: 150.00 feet/pass Average Ripping Length: 150.00 feet/pass Average Dozer Speed: 88.00 feet/minute Average Maneuver Time: 0.25 minutes/pass Production per unit area: 0.811 acres/hour Job Condition Correction Factors Unadjusted Hourly Unit Production: 0.811 Acres/hr Site Altitude: 7,700 feet Altitude Adj: 1.00 (CAT HB) Job Efficiency: 0.83 (1 shift/day) Net Correction: 0.83 multiplier Adjusted Hourly Unit Production: 0.67 Acres/hr JOB TIME AND COST Job Efficiency: 0.67 Acres/hr Hours I Grader(s) Total job time: 0.74 Hours				-				
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Adjusted Hourly Fleet Production: 0.67 Acres/hr JOB TIME AND COST Fleet size: 1 Grader(s) Total job time: 0.74 Hours				Net Correction:	0.83	multiplier		
Adjusted Hourly Fleet Production: 0.67 Acres/hr JOB TIME AND COST Fleet size: 1 Grader(s) Total job time: 0.74 Hours			Adjust	ed Hourly Unit Production:	0.67	Acres/hr		
Fleet size: 1 Grader(s) Total job time: 0.74 Hours								
		JOB TIME A	ND COST					
		Fleet size:	1	Grader(s)	Total job time:	0.74		Hours
Unit cost: \$719.772 Per acre Total job cost: \$360		Unit cost:	\$719.772	Per acre	Total iob cost	\$360		

BULLDOZER WORK

Task description:	Grade form	her road areas			
Tomichi Pit		Permit Action:	2025-01-16 Update	Permit/Job#:	M2013081
PROJECT IDENT	IFICATION				
Task #: 10A	S	tate: Colorado		Abbreviation:	None
Date: $\frac{10A}{1/16/202}$		inty: Gunnison		Filename:	M081-10a
User: DMC	<u> </u>	inty. <u>Oumison</u>			10001 100
Agency or or	rganization name:	DRMS			
HOURLY EQUIP	MENT COST				
Basic Machine:	Cat D9T - 9SU				
	405				
	Semi-Universal				
	3-shank ripper				
Shift Basis:	1 per day				
Data Source:	(CRG)				
Cost Breakdown:					
		** ** * *	<u>Utilization %</u>		
Ownership Cost/Hou		\$253.16	NA		
Operating Cost/Hou		\$164.35	100		
Ripper own. Cost/Hou		\$18.79	NA		
Ripper op. Cost/Hou	ır:	\$0.00	0		
Organization Coast/II.	ır:	\$38.59	NA		
Operator Cost/Hou Total unit Cost/Hour: Total Fleet Cost/Hour MATERIAL QUA	\$474.89 : \$474.89				
Total unit Cost/Hour: Total Fleet Cost/Hour MATERIAL QUA Initial Volume: <u>6</u> Swell factor: <u>1</u>	\$474.89 \$474.89 NTITIES 05 .000				
Total unit Cost/Hour: Total Fleet Cost/Hour <u>MATERIAL QUA</u> Initial Volume: <u>6</u> Swell factor: <u>1</u>	\$474.89 : \$474.89 NTITIES 05				
Total unit Cost/Hour: Total Fleet Cost/Hour MATERIAL QUA Initial Volume: <u>6</u> Swell factor: <u>1</u> Loose volume: <u>6</u> Source of estimated vo	\$474.89 \$474.89 NTITIES 05 .000 05 LCY olume:Div		on, Mining & Safety		
Total unit Cost/Hour: Total Fleet Cost/Hour MATERIAL QUA Initial Volume: <u>6</u> Swell factor: <u>1</u> Loose volume: <u>6</u> Source of estimated vo Source of estimated so	\$474.89 \$474.89 NTITIES 05 .000 05 LCY olume: Div well factor: Cat	ision of Reclamati Handbook	on, Mining & Safety		
Total unit Cost/Hour: Total Fleet Cost/Hour MATERIAL QUA Initial Volume: <u>6</u> Swell factor: <u>1</u> Loose volume: <u>6</u> Source of estimated vo Source of estimated sw HOURLY PRODU	\$474.89 \$474.89 NTITIES 05 .000 05 LCY olume: Div well factor: Cat	Handbook	on, Mining & Safety		
Total unit Cost/Hour: Total Fleet Cost/Hour MATERIAL QUA Initial Volume: <u>6</u> Swell factor: <u>1</u> Loose volume: <u>6</u> Source of estimated vo Source of estimated so	\$474.89 \$474.89 NTITIES 05 .000 05 LCY olume: Div well factor: Cat UCTION e:80 fee	Handbook	on, Mining & Safety		
Total unit Cost/Hour: Total Fleet Cost/Hour MATERIAL QUA Initial Volume: <u>6</u> Swell factor: <u>1</u> Loose volume: <u>6</u> Source of estimated vo Source of estimated sw HOURLY PRODU	\$474.89 \$474.89 \$474.89 05 .000 05 LCY olume: Div well factor: Cat UCTION e: 80 feee oduction: 1,460.	Handbook	on, Mining & Safety		
Total unit Cost/Hour: Total Fleet Cost/Hour MATERIAL QUA Initial Volume: 6 Swell factor: 1 Loose volume: 6 Source of estimated vo Source of estimated sw HOURLY PRODU Average push distance Unadjusted hourly pro	\$474.89 \$474.89 \$474.89 05 .000 05 LCY olume: Div well factor: Cat JCTION e: 80 fee oduction: 1,460. description: L	Handbook t 1 LCY/hr	on, Mining & Safety		
Total unit Cost/Hour: Total Fleet Cost/Hour MATERIAL QUA Initial Volume: 6 Swell factor: 1 Loose volume: 6 Source of estimated vo Source of estimated sw HOURLY PRODU Average push distance Unadjusted hourly pro	\$474.89 \$474.89 \$474.89 05 .000 05 LCY olume: Div well factor: Cat JCTION e: 80 fee oduction: 1,460. description: L	Handbook t 1 LCY/hr	on, Mining & Safety		
Total unit Cost/Hour: Total Fleet Cost/Hour MATERIAL QUA Initial Volume: 6 Swell factor: 1 Loose volume: 6 Source of estimated vo Source of estimated sw HOURLY PRODU Average push distance Unadjusted hourly pro Materials consistency Average push gradien	\$474.89 \$474.89 \$474.89 05 .000 05 LCY olume: Div well factor: Cat JCTION e: 80 fee oduction: 1,460. description: L t: 0 %	Handbook t 1 LCY/hr oose stockpile 1.2	 on, Mining & Safety 		
Total unit Cost/Hour: Total Fleet Cost/Hour MATERIAL QUA Initial Volume: 6 Swell factor: 1 Loose volume: 6 Source of estimated vo Source of estimated sw HOURLY PRODU Average push distance Unadjusted hourly pro Materials consistency Average push gradien Average site altitude:	\$474.89 \$474.89 \$474.89 \$474.89 \$100 05 .000 05 LCY olume: Div well factor: Cat ICTION e: 80 fee oduction: 1,460 description: L t: 0 % 7,700 feet 2,650 lbs/LC	Handbook t 1 LCY/hr oose stockpile 1.2			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated vo Source of estimated vo Source of estimated vo Source of estimated vo Average push distance Unadjusted hourly pro Materials consistency Average push gradient Average site altitude: Material weight:	\$474.89 \$474.89 \$474.89 \$474.89 \$474.89 \$100 05 .000 05 LCY olume: Div well factor: Cat UCTION e: 80 feee oduction: 1,460. description: L t: 0 % 7,700 feet 2,650 lbs/LC Decomposed	Handbook t 1 LCY/hr oose stockpile 1.2			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUA Initial Volume: 6 Swell factor: 1 Loose volume: 6 Source of estimated vo Source of estimated sw HOURLY PRODU Average push distance Unadjusted hourly pro Materials consistency Average push gradiem Average site altitude: Material weight: Weight description: Job Condition Correct	\$474.89 \$474.89 \$474.89 \$474.89 \$474.89 \$100 05 .000 05 LCY olume: Div well factor: Cat UCTION e: 80 feee oduction: 1,460. description: L t: 0 % 7,700 feet 2,650 lbs/LC Decomposed	Handbook t 1 LCY/hr oose stockpile 1.2	, 75% Earth		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUA Initial Volume: 6 Swell factor: 1 Loose volume: 6 Source of estimated vo Source of estimated sw HOURLY PRODU Average push distance Unadjusted hourly pro Materials consistency Average push gradiem Average site altitude: Material weight: Weight description: Job Condition Correct	\$474.89 \$474.89 \$474.89 \$474.89 \$474.89 \$100 05 .000 05 LCY olume: Div well factor: Cat ICTION e: 80 fee oduction: 1,460 description: L 1,460 description: L 2,650 lbs/LC Decomposed tion Factor tor Skill:	Handbook t 1 LCY/hr oose stockpile 1.2 Y I rock - 25% Rock			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated vo Source of estim	\$474.89 \$474.89 \$474.89 \$474.89 \$474.89 \$100 05 .000 05 LCY olume: Div well factor: Cat ICTION e: 80 fee oduction: 1,460 description: L 1,460 description: L 2,650 lbs/LC Decomposed tion Factor tor Skill:	Handbook t 1 LCY/hr oose stockpile 1.2 YY l rock - 25% Rock 0.750			

Job efficience	cy:	0.830	(1 SHIFT/DAY)
Spoil pi	le:	0.700	(FND-MF)
Push gradier	nt:	1.000	(CAT HB)
Altitud	de:	1.000	(CAT HB)
Material Weigl	ht:	0.868	(CAT HB)
Blade typ	pe:	1.000	(PAT)
Net correctio	on: _	0.4539	
Adjusted unit production:	662	.74 LCY/hr	
Adjusted fleet production:	662	.74 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$0.717/LCY

Total job time:	0.91 Hours
Total job cost:	\$434

BULLDOZER RIPPING WORK

	Task descript	ion:	Rip compaction or	n former fa	acilities area				
Site	: <u>Tomichi P</u>	it	Perm	it Action:	2025-01-16 Up	odate Perm	nit/Job#:	M2013	081
	PROJECT	IDENTIFIC	CATION						
	Task #: _ Date: _ User: _	11A 1/16/2025 DMC		Colorado Gunnison		Abbrev File	iation: _ mame: _	None M081-1	la
	Age	ncy or organiz	zation name: <u>DRN</u>	/IS					
	HOURLY	EQUIPMEN	T COST						
	Ba	sic Machine:	Cat D9T - 9SU			Horsepower:	2	405	
	Ripper	Attachment:	3-Shank Ripper			Shift Basis: Data Source:		er day CRG)	
	Cost Breakdo	wn:			I				
		Owners	hip Cost/Hour:		\$253.16	Utilization % NA			
			ing Cost/Hour:		\$164.35	100			
		ipper Owners	hip Cost/Hour:		\$18.79	NA			
]		ing Cost/Hour:		\$9.48	100			
		1	tor Cost/Hour: Init Cost/Hour:		\$38.59 \$484.37	NA			
		Total Fl	eet Cost/Hour:	\$48 4	4.37				
	MATERIA	L QUANTI	<u> </u>	Sele	ected estimating	method: Area			
	Alternate Me	thods:			6				
Seismic:	NA		Bank	Volume:	NA	BCY		NA	
Area:	0.50	acres	s Rip Do	epth (ft):	1.00	Volume: 807			BCY or CC
		Source of	of estimated quantity	: <u>Permit</u>	plan				
	HOURLY	PRODUCTI	ON						
	Seismic:								
			Seismic Veloci	ty:	NA	feet/second	ł		
	Area:								
	<u>niou.</u>	A	verage Ripping Dep	oth:	2.63	feet/pass			
		А	verage Ripping Wid	th:	7.67	feet/pass			
		A	verage Ripping Leng		150.00	feet/pass			
			Average Dozer Spe		88.00	feet/minute			
			verage Maneuver Tin		0.25	minutes/pa			
			roduction per unit ar	ea:	0.811	acres/hour			
	Job Condition	n Correction F							
		Unadjusted H	Iourly Unit Production	on:	0.811	Acres/hr			
			Site Altitu	-	7,700	feet			
			Altitude A		1.00	(CAT HB)			
			Job Efficien		0.83	(1 shift/day	7)		
			Net Correction	on:	0.83	multiplier			
			usted Hourly Unit P		0.67	Acres/hr			
		-	usted Hourly Fleet P	roduction:	0.67	Acres/hr			
		AND COST	_		T (1 ' 1 '	A =	4		
	Fleet size	:1	Grader(s)		Total job time	e:0.7	4	Ho	ours
	Unit cost	\$719.7	72 Per acre		Total job cos	t:\$36	0		

BULLDOZER WORK

Task description:	Grade form	er facility area			
Tomichi Pit		Permit Action:	2025-01-16 Update	Permit/Job#:	M2013081
PROJECT IDENT	FICATION				
Task #: 12A	St	ate: Colorado		Abbreviation:	None
Date: $1/16/202$				Filename:	M081-12a
User: DMC		·		-	
Agency or or	ganization name:	DRMS			
HOURLY EQUIPM	<u>IENT COST</u>				
	Cat D9T - 9SU				
	05 Semi-Universal				
· · ·	S-shank ripper				
	per day				
	CRG)				
Cost Breakdown:		1			
Ownership Cost/Har		\$253.16	<u>Utilization %</u> NA		
Ownership Cost/Hou Operating Cost/Hou		\$253.16	<u> </u>		
Ripper own. Cost/Hou		\$18.79	NA		
Ripper op. Cost/Hou		\$0.00	0		
Operator Cost/Hou		\$38.59	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN	\$474.89 \$474.89 NTITIES				
Total Fleet Cost/Hour: <u>MATERIAL QUAN</u> Initial Volume: <u>60</u> Swell factor: <u>1</u> .	\$474.89 NTITIES 05 000				
Total Fleet Cost/Hour: <u>MATERIAL QUAN</u> Initial Volume: <u>60</u> Swell factor: <u>1</u> .	\$474.89 NTITIES 05				
Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 60 Swell factor: 1. Loose volume: 60 Source of estimated volume 60	\$474.89 NTITIES 05 000 05 LCY lume:Divis		on, Mining & Safety		
Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 60 Swell factor: 1. Loose volume: 60	\$474.89 NTITIES 05 000 05 LCY lume:Divis	sion of Reclamati Handbook	on, Mining & Safety		
Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 60 Swell factor: 1. Loose volume: 60 Source of estimated volume 60	\$474.89 NTITIES 05 000 05 LCY olume: Divis vell factor: Cat I		on, Mining & Safety		
Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 60 Swell factor: 1. Loose volume: 60 Source of estimated vo 50 Source of estimated sw HOURLY PRODU Average push distance 10	\$474.89 NTITIES 05 000 05 LCY Jume: Divis vell factor: Cat I CTION : 80 feet	Handbook	on, Mining & Safety		
Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 60 Swell factor: 1. Loose volume: 60 Source of estimated vo Source of estimated sw HOURLY PRODUCT 100	\$474.89 NTITIES 05 000 05 LCY Jume: Divis vell factor: Cat I CTION : 80 feet	Handbook	on, Mining & Safety		
Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 60 Swell factor: 1. Loose volume: 60 Source of estimated vo 50 Source of estimated sw HOURLY PRODU Average push distance 10	\$474.89 NTITIES 05 000 05 LCY lume: Divis vell factor: Cat I CTION : 80 feet duction: 1,460.1	Handbook			
Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 60 Swell factor: 1. Loose volume: 60 Source of estimated vo 50 Source of estimated sw HOURLY PRODU Average push distance Unadjusted hourly pro-	\$474.89 NTITIES 05 000 05 LCY olume: Divis vell factor: Cat I CTION : 80 feet duction: 1,460.1 description: Lc	Handbook LCY/hr			
Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 60 Swell factor: 1. Loose volume: 60 Source of estimated vo Source of estimated sw HOURLY PRODU Average push distance Unadjusted hourly prov Materials consistency of Average push gradient 100	\$474.89 NTITIES 05 000 05 LCY olume: Divis vell factor: Cat I CTION : 80 feet duction: 1,460.1 description: Lc : 0 %	Handbook LCY/hr oose stockpile 1.2			
Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 60 Swell factor: 1. Loose volume: 60 Source of estimated vo Source of estimated vo Source of estimated sw HOURLY PRODU/ Average push distance Unadjusted hourly prov Materials consistency of Average push gradient Average site altitude: State	\$474.89 NTITIES 05 000 05 LCY 0ume: Divis vell factor: Cat I CTION : 80 feet duction: 1,460.1 description: Lc : 0 %	Handbook LCY/hr oose stockpile 1.2			
Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 60 Swell factor: 1. Loose volume: 60 Source of estimated vo Source of estimated vo Source of estimated sw HOURLY PRODU Average push distance Unadjusted hourly prod Materials consistency of Average push gradient Average site altitude: Material weight:	\$474.89 NTITIES 05 000 05 LCY lume: Divis vell factor: Cat I CTION : 80 feet duction: 1,460.1 description: Lc : 0 % 7,700 feet 2,650 lbs/LCY Decomposed	Handbook LCY/hr bose stockpile 1.2			
Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 60 Swell factor: 1. Loose volume: 60 Source of estimated vo Source of estimated vo Source of estimated sw HOURLY PRODU/ Average push distance Unadjusted hourly pro- Materials consistency of Average push gradient Average site altitude: Material weight: Weight description: Job Condition Correction	\$474.89 NTITIES 05 000 05 LCY lume: Divis vell factor: Cat I CTION : 80 feet duction: 1,460.1 description: Lc : 0 % 7,700 feet 2,650 lbs/LCY Decomposed on Factor or Skill:	Handbook LCY/hr bose stockpile 1.2 Y rock - 25% Rock, 0.750	, 75% Earth <u>Source</u> (AVG.)		
Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 60 Swell factor: 1. Loose volume: 60 Source of estimated volume: 60 Source of estimated sw 1000000000000000000000000000000000000	\$474.89 NTITIES 05 000 05 LCY olume: Divis vell factor: Cat I CTION : 80 feet duction: 1,460.1 description: Lc : 0 % 7,700 feet	Handbook LCY/hr bose stockpile 1.2	, 75% Earth 		
Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 60 Swell factor: 1. Loose volume: 60 Source of estimated sw HOURLY PRODUC Average push distance Unadjusted hourly prov Materials consistency of Average push gradient Average site altitude: Material weight: Weight description: Job Condition Correction Operate Material cons Dozing to Dozing to	\$474.89 NTITIES 05 000 05 LCY olume: Divis vell factor: Cat I CTION : 80 feet duction: 1,460.1 description: Lc : 0 % 7,700 feet	Handbook LCY/hr bose stockpile 1.2 Y rock - 25% Rock, 0.750	, 75% Earth <u>Source</u> (AVG.)		

Job efficiency:		0.830	(1 SHIFT/DAY)
Spoil pi	le:	0.700	(FND-MF)
Push gradier	nt:	1.000	(CAT HB)
Altitud	de:	1.000	(CAT HB)
Material Weigl	ht:	0.868	(CAT HB)
Blade typ	pe:	1.000	(PAT)
Net correctio	on: _	0.4539	
Adjusted unit production:	662	.74 LCY/hr	
Adjusted fleet production:	662	.74 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$0.717/LCY

Total job time:	0.91 Hours
Total job cost:	\$434

WHEEL LOADER - LOAD AND CARRY WORK

Task description:	Carry to	psoil to facilitie	es & road areas	for replacem	ent	
Tomichi Pit		Permit Act	ion: <u>2025-01-</u>	16 Update	Permit/Job#	: M2013081
PROJECT IDEN	TIFICATION					
Task #: 13A		State: Color	rado		Abbreviation:	None
Date: 1/16/2	025 0	County: Gunn	nison		Filename:	M081-13a
User: DMC						
Agency or	organization nam	e: DRMS				
HOURLY EQUI	PMENT COST	-				
Basic Machin	e: CAT 980H			Horsep	ower:	315
Attachment						per day
				Data S		CRG)
Caret Dura da da como					,	
Cost Breakdown:			Utilizatio	on %		
Ownership C	'ost/Hour	\$69.00	NA			
Operating C		\$60.57	100			
Operator C		\$36.85	NA			
Total Unit C		\$166.42	H			
Total Fleet (Cost/Hour	\$166.42				
1010111000		\$100.12				
	4,840 4,840 arce of estimated of estimated swe	volume: Divi			.000 & Safety	
Loader Cycle Time:		ed Basic Cycle 7	Гime (load, dum	p, maneuver):	0.550	minutes
Cycle Time I	Factors	-			Factor (min.)	Source
		ustment - factor	not applicable (0.00	0.000	(Cat HB)
	0		not applicable (0.000	(Cat HB)
Truck Own			not applicable (0.000	(Cat HB)
			r not applicable		0.000	(Cat HB)
Dump	Farget: No adj		not applicable (0.000	(Cat HB)
			et Cycle Time A		0.000	minutes
		А	djusted Basic C	ycle Time:	0.550	minutes
Rolling Resistance -	Road Conditions	<u>5</u>				
ł	Iaul: Firm, sm	ooth, rolling. di	rt/lt. surfaced, w	atered. mainta	ined 3.0	
			rt/lt. surfaced, w			
		, 6,	,	,		
Haul and Return Tin	<u>ne</u>					
	Length	Grade Res.	Rolling	Total Res.	Travel Time	Source
	(feet)	(%)	Res. (%)	(%)	(minutes)	
Haul Route:	1200	0.00	3.00	3.00	0.9277	(Cat HB)
Return Route:	1200	0.00	3.00	3.00	0.8751	(Cat HB)

			Total Travel Total Cycle		1.8029 2.3529	minutes minutes
Load Bucket Capacity						
Rated Capacity	y:7.50	LCY (heap	ped)			
Bucket Fill Facto	r: 1.050	Other - mo	oist loam	(100-110%)	1.050	
Adjusted Capacity	y: 7.88	LCY				
Job Condition Correction Site Altitude: <u>7700</u> feet	n Factors					
		Source				
Altitude Adj:	1.00	(CAT HB))			
Job Efficiency:	0.83	(1 shift/day	7)			
Net Correction:	0.83	multiplier				
Un	adjusted Hourly Unit I	Production:	200.82	LCY/H	our	
	Adjusted Hourly Unit I		166.68	LCY/H	our	
	djusted Hourly Fleet I		166.68	LCY/H	our	
JOB TIME AND CO	<u>ST</u>					
Fleet size:	Loader(s)		Total job time:	2	.9.04	Hours
Unit cost: \$0.	998 /LCY		Total job cost	\$	4,832	

Task # 14A

Page 1 of 2

BULLDOZER WORK

			rea, roads, and other di		
Tomichi Pit	Per	mit Action:	2025-01-16 Update	_ Permit/Job#:	M2013081
PROJECT IDENTIF	FICATION				
Task #: 14A	State:	Colorado		Abbreviation:	None
Date: $1/16/2025$	County:	Gunnison		Filename:	M081-14a
User: DMC	County.	Guimbon		- Inclusive.	11001 114
Agency or orga	anization name: DR	RMS			
HOURLY EQUIPMI	<u>ENT COST</u>				
Basic Machine: Ca	at D9T - 9SU				
Horsepower: 40	5				
Blade Type: Se	mi-Universal				
Attachment: 3-s	shank ripper				
	per day				
	RG)				
	,				
Cost Breakdown:			Utilization %		
Ownership Cost/Hour:		\$253.16	NA		
Operating Cost/Hour:		\$164.35	100		
Ripper own. Cost/Hour:		\$104.55	NA		
Ripper op. Cost/Hour:		\$18.79	<u> </u>		
11 1					
Operator Cost/Hour:		\$38.59	NA		
Total Fleet Cost/Hour:	\$474.89 \$474.89				
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: <u>4,8</u> 4	\$474.89 FITIES 40				
Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 4,84 Swell factor: 1.12	\$474.89 <u>FITIES</u> 40 25				
Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 4,84 Swell factor: 1.12	\$474.89 FITIES 40				
Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 4,84 Swell factor: 1.12	\$474.89 FITIES 40 25 45 LCY ume: Division		on, Mining & Safety		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,84 Swell factor: 1.12 Loose volume: 5,44	\$474.89 FITIES 40 25 45 LCY ume:Division		on, Mining & Safety		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,84 Swell factor: 1.12 Loose volume: 5,44 Source of estimated volu Source of estimated swell	\$474.89 FITIES 40 25 45 LCY ime: Division 11 factor: Cat Hand		on, Mining & Safety		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,84 Swell factor: 1.12 Loose volume: 5,44 Source of estimated volu Source of estimated swel HOURLY PRODUC	\$474.89 FITIES 40 25 45 LCY 1me: Division 11 factor: Cat Hand TION		on, Mining & Safety		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,84 Swell factor: 1.12 Loose volume: 5,44 Source of estimated volu Source of estimated swelt HOURLY PRODUCC Average push distance:	\$474.89 TITIES 40 25 45 LCY ume: Division 11 factor: Cat Hand TION 55 feet	lbook	on, Mining & Safety		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,84 Swell factor: 1.12 Loose volume: 5,44 Source of estimated volu Source of estimated swel HOURLY PRODUC	\$474.89 TITIES 40 25 45 LCY ume: Division 11 factor: Cat Hand TION 55 feet	lbook	on, Mining & Safety		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,84 Swell factor: 1.12 Loose volume: 5,44 Source of estimated volu Source of estimated swelt HOURLY PRODUCC Average push distance:	\$474.89 FITIES 40 25 45 LCY ume: Division 11 factor: Cat Hand TION 55 feet action: 1,991.3 LC	lbook	on, Mining & Safety		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,84 Swell factor: 1.12 Loose volume: 5,44 Source of estimated volu Source of estimated swel HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de	\$474.89 FITIES 40 25 45 LCY ume: Division 11 factor: Cat Hand TION 55 feet action: 1,991.3 LC escription: Loose s	lbook Y/hr	on, Mining & Safety		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,84 Swell factor: 1.12 Loose volume: 5,44 Source of estimated volu Source of estimated volu Source of estimated swel HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient:	\$474.89 FITIES 40 25 45 LCY Ime: Division 11 factor: Cat Hand TION action: 55 feet action: 1,991.3 LC escription: Loose s 0 % 0	lbook Y/hr	on, Mining & Safety		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,84 Swell factor: 1.12 Loose volume: 5,44 Source of estimated volu Source of estimated swel HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de	\$474.89 FITIES 40 25 45 LCY ume: Division 11 factor: Cat Hand TION 55 feet action: 1,991.3 LC escription: Loose s	lbook Y/hr	on, Mining & Safety		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,84 Swell factor: 1.12 Loose volume: 5,44 Source of estimated volu Source of estimated volu Source of estimated swel HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient:	\$474.89 FITIES 40 25 45 LCY Ime: Division 11 factor: Cat Hand TION action: 55 feet action: 1,991.3 LC escription: Loose s 0 % 0	lbook Y/hr	 on, Mining & Safety 		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,84 Swell factor: 1.12 Loose volume: 5,44 Source of estimated volu Source of estimated swell MOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude:	\$474.89 TITIES 40 25 45 LCY ume: Division 11 factor: Cat Hand TION action: 1,991.3 LC escription: Loose s 0 % 7,700 feet	lbook Y/hr stockpile 1.2	 on, Mining & Safety 		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,84 Swell factor: 1.12 Loose volume: 5,44 Source of estimated volu Source of estimated swell MOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude: Material weight: Material weight:	\$474.89 FITIES 40 25 45 LCY ame: Division 11 factor: Cat Hand TION action: 1,991.3 LC escription: Loose s 0 % 7,700 feet 2,550 lbs/LCY Earth - Dry packed	lbook Y/hr stockpile 1.2	on, Mining & Safety		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,84 Swell factor: 1.12 Loose volume: 5,44 Source of estimated volu Source of estimated swell Source of estimated swell Source HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description:	\$474.89 TITIES 40 25 45 LCY ame: Division 11 factor: Cat Hand TION action: 1,991.3 LC escription: Loose s 0 % 7,700 feet 2,550 lbs/LCY Earth - Dry packed n Factor 1	lbook Y/hr stockpile 1.2			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,84 Swell factor: 1.12 Loose volume: 5,44 Source of estimated volu Source of estimated swell MOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Source construction	\$474.89 TITIES 40 25 45 LCY ume: Division 11 factor: Cat Hand TION action: 55 feet action: 1,991.3 LC escription: Loose s 0 % 7,700 feet 2,550 lbs/LCY Earth - Dry packed n Factor 0.	lbook Y/hr stockpile 1.2			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,84 Swell factor: 1.12 Loose volume: 5,44 Source of estimated volu Source of estimated volu Source of estimated swel HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operator	\$474.89 TITIES 40 25 45 LCY ume: Division 11 factor: Cat Hand TION action: 55 feet action: 1,991.3 LC escription: Loose s 0 % 7,700 feet 2,550 lbs/LCY Earth - Dry packed n Factor 0. 'Skill: 0. tency: 1.	lbook Y/hr stockpile 1.2 d			

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: 93	39.30 LCY/hr	
Adjusted fleet production: 9.	39.3 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$0.506/LCY

Total job time:	5.80 Hours
Total job cost:	\$2,753

REVEGETATION WORK

Task descri	ption:	Revegetate wetland areas			
Site: <u>Tomichi</u>	Pit	Permit Action:	2025-01-16 Update	Permit/Jol	o#: M2013081
<u>PROJECT</u>	<u>IDENTIFIC</u>	<u>XATION</u>			
Task #:	15A	State: Colorado		Abbreviation:	None
Date:	1/16/2025	County: Gunnison		Filename:	M081-15a
User:	DMC				

FERTILIZING

Materials

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

Application

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

TILLING

Description	Cost /Acre
Weed control spraying (MEANS 31 31 16.13 3100)	\$338.80
Total Tilling Cost/Acre	\$338.80

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Smooth Brome - Manchar	2.00	6.66	\$10.44
Slender Wheatgrass - San Luis	1.00	3.65	\$6.04
Red Top	0.40	45.82	\$4.19
Timothy - Climax	1.00	28.70	\$4.15
Totals Seed Mix	4.40	84.83	\$24.82

Application

	Description	Cost /Acre
_		

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

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	1.00	TON	\$492.78	\$492.78
Total Mulch Materials Cost/Acre				\$492.78

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$85.37
Power mulcher (MEANS 32 91 13.16 0350)		\$157.25
Tota	Mulch Application Cost/Acre	\$242.63

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
	k Cost / Acre	\$0.00			

	No. of Acres: ed Failure Rate:	25%	C	Cost /Acre: cost /Acre*:	
*Selected Replanti	ng Work Items:	TILLING,SEEI	DING,MULCHING		
Initial Job Cost:	\$3,900.16				
Reseeding Job Cost:	\$975.04				
Total Job Cost:	\$4,875				
Job Hours:	10.00				

REVEGETATION WORK

Task description: Reves			Revegetate rang	eland areas	(excl. permanent bern	18)	
Site: Tomichi Pit		Per	mit Action:	2025-01-16 Update	Permit/Jol	b#: <u>M2013081</u>	
<u>P</u>	<u>ROJECT</u>	IDENTIFIC	ATION				
	Task #:	16A	State:	Colorado		Abbreviation:	None
	Date:	1/16/2025	County:	Gunnison		Filename:	M081-16a
	User:	DMC					
		ency or organiz	zation name:	MS			

FERTILIZING

Materials

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

Application

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

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Weed control spraying (MEANS 31 31 16.13 3100)	\$338.80
Total Tilling Cost/Acre	\$456.41

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Sandberg Bluegrass - VNS	0.60	12.74	\$8.67
Sheep Fescue - Covar	0.70	10.93	\$4.31
Streambank Wheatgrass - Sodar	2.00	6.52	\$16.61
Thickspike Wheatgrass - Critana	2.00	7.07	\$16.30
Western Wheatgrass - Rosanna	5.00	12.63	\$43.87
Totals Seed Mix	10.30	49.89	\$89.76

Application

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

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	1.00	TON	\$492.78	\$492.78
Total Mulch Materials Cost/Acre				\$492.78

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$85.37
Power mulcher (MEANS 32 91 13.16 0350)		\$157.25
	Total Mulch Application Cost/Acre	\$242.63

NURSERY STOCK PLANTING

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

No. of Acres:	13.69	Cost /Acre:	\$1,518.22
Estimated Failure Rate:	25%	Cost /Acre*:	\$1,518.22
*Selected Replanting Work Items:	TILLING,SEEDIN	G,MULCHING	

\$20,784.43
\$5,196.11
\$25,981
20.00

REVEGETATION WORK

Т	ask descrip	otion:	Revegetate perm	anent berm	s		
Site:	Tomichi	Pit	Per	mit Action:	2025-01-16 Update	Permit/Job	#: M2013081
<u>PI</u>	ROJECT	IDENTIFIC	CATION				
	Task #:	17A	State:	Colorado		Abbreviation:	None
	Date:	1/16/2025	County:	Gunnison		Filename:	M081-17a
	User:	DMC					
	-	ency or organiz	zation name: DR	MS			

FERTILIZING

Materials

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

Application

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

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Weed control spraying (MEANS 31 31 16.13 3100)	\$338.80
Total Tilling Cost/Acre	\$456.41

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Sandberg Bluegrass - VNS	0.60	12.74	\$8.67
Sheep Fescue - Covar	0.70	10.93	\$4.31
Streambank Wheatgrass - Sodar	2.00	6.52	\$16.61
Thickspike Wheatgrass - Critana	2.00	7.07	\$16.30
Western Wheatgrass - Rosanna	5.00	12.63	\$43.87
Saltbush, Four Wing	0.50	0.69	\$9.94
Totals Seed Mix	10.80	50.57	\$99.70

Application

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

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	1.00	TON	\$492.78	\$492.78
Total Mulch Materials Cost/Acre				\$492.78

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$85.37
Power mulcher (MEANS 32 91 13.16 0350)		\$157.25
	Total Mulch Application Cost/Acre	\$242.63

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
		Totals	Nursery Stoc	ck Cost / Acre	\$0.00

Estimat	No. of Acres: ed Failure Rate:	5.1 25%		Cost /Acre: Cost /Acre*:	
*Selected Replanti	ng Work Items:	TILLING,SEEI	DING,MULCHING	ŕ	
Initial Job Cost: Reseeding Job Cost:					
Total Job Cost: Job Hours:	· · · · · ·				

REVEGETATION WORK

Permit Action:	2025-01-16 Update	Permit/Job	#: M2013081
		Abbreviation: Filename:	None M081-18a
		-	
5		y: Gunnison	y: Gunnison Filename:

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
	\$
Total Tilling Cost/Acre	\$0.00

SEEDING

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

Application

Description	Cost /Acre	
	\$	

Total Seed Application Cost/Acre

\$0.00

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
Juniper, Rocky Mountain	21	Container, 5 gallon (MEANS)	\$81.92	\$0.00	\$1,720.32
Cottonwood, Narrowleaf	28	Container, 5 gallon (MEANS)	\$69.55	\$0.00	\$1,947.40
		Totals	Nursery Stoc	k Cost / Acre	\$3,667.72

No. of Acres:	1	Cost /Acre:	\$3,667.72
Estimated Failure Rate:	20%	Cost /Acre*:	\$3,667.72
*Selected Replanting Work Items:	NURSERY		

Initial Job Cost:	\$3,667.72
Reseeding Job Cost:	\$733.54
Total Job Cost:	\$4,401
Job Hours:	10.00

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description:	Ha	ul reclamation eq	uipment to and	d from site	e		
e: Tomichi Pit		Permit	Action: 2025	-01-16 Up	date	Permit/Job#: <u>N</u>	42013081
PROJECT IDEN	TIFICATI	<u>ON</u>					
Task #: 19A		State: Co	olorado		Abbre	eviation: None	e
Date: 1/16/ User: DMC		County: Gu	innison		Fi	lename: M08	1-19a
Agency or	organizatior	n name: DRMS					
EQUIPMENT TF	RANSPOR	T RIG COST					
				(Shift ba Cost Data Sour		
Truck 7	Fractor Desc	ription: GENE	RIC ON-HIGH		JCK TRACTO (2ND HALF,	OR, 6X4, DIESE 2006)	L POWERED,
Truck '	Trailer Desc	ription: Gl) SENECK, DF (25T, 50T, AN	ROP DECK EQU	JIPMENT
Cost Breakdown:					(201,001,11		
Available Rig Car	oacities	0-25 Tons	26-50 Tons	51-	+ Tons		
Ownership C	Cost/Hour:	\$10.44	\$22.18		23.94		
Operating C	Cost/Hour:	\$26.48	\$54.55	\$:	55.65		
Operator C	Cost/Hour:	\$22.52	\$22.52	\$2	22.52		
Helper C	Cost/Hour:	\$0.00	\$23.53	\$2	23.53		
Total Unit C	Cost/Hour:	\$59.44	\$122.78	\$1	25.64		
NON ROADABL	E EQUIPN	<u>MENT:</u>					
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
1	(TONS)		t		fleet		
Cat D9T - 9SU	60.01	\$253.16	\$125.64	1	\$378.80	\$125.64	\$250.00
CAT 980H	33.12	\$69.00	\$122.78	4	\$767.12	\$491.12	\$0.00
Centrifugal pump - 125M, 8 in.	1.50	\$24.35	\$59.44	2	\$167.58	\$118.88	\$0.00
Drill/Broadcast Seeder with Tractor	25.00	\$41.02	\$59.44	1	\$100.46	\$59.44	\$0.00

Subtotals: **\$1,413.96 \$795.08 \$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, 1 T. Crew	\$24.60	1	\$24.60	\$24.60
		Subtotals:	\$24.60	\$24.60

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	GUNNISON	
Total one-way travel distance:	5.00	miles
Average Travel Speed:	50.00	mph
Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig:	\$3,769.73	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$4.92	

Transportation Cycle Time:

Roadable Equipment 0.10 0.10 0.50 0.50	RoadableEquipment0.100.10NANA
0.50	NA
1.20	0.20
	0.10 0.10 0.50 0.50

JOB TIME AND COST

Total job time: 2.40 Hours

Total job cost: \$3,775