COST SUMMARY WORK

Task description:	Updated Reclamation cost based on TR12	
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Site: **Eagle-Gypsum Mine** Permit Action: TR12 Permit/Job#: M1984041

PROJECT IDENTIFICATION

Task #:ACYState:ColoradoAbbreviation:NoneDate:1/21/2025County:EagleFilename:M041-ACY

User: ACY

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
A1001	Stockpile Staging Area - Overburden Grade	DOZER	1	10.70	\$5,665
A1002	Stockpile Staging Area - Ripping	RIPPER	1	6.48	\$3,433
A1003	Stockpile Staging Area - Topsoil Haul	TRUCK1	1	4.84	\$2,159
A1004	Stockpile Staging Area - Topsoil Grade	DOZER	1	9.63	\$5,102
A2001	Lower Pit - Overburden Grade	DOZER	6	521.54	\$1,657,405
A2002	Lower Pit - Ripping	RIPPER	2	34.71	\$36,771
A2003	Lower Pit - Topsoil Haul- Import	NA	1	51.90	\$2,555,880
A2004	Lower Pit - Topsoil Grade	DOZER	4	15.74	\$33,338
A3001	Upper Pit - Overburden Grade	DOZER	4	138.49	\$293,413
A3002	Upper Pit - Ripping	RIPPER	2	18.75	\$19,872
A3003	Upper Pit - Topsoil Haul - Import	NA	1	28.00	\$1,381,560
A3004	Upper Pit - Topsoil Grade	DOZER	2	59.48	\$63,011
A4002	Main Haul Rd - Ripping	RIPPER	2	11.81	\$12,512
A4003	Main Haul Rd - Topsoil Haul	TRUCK1	1	14.95	\$8,391
A4004	Main Haul Rd - Topsoil Grade	DOZER	2	11.16	\$11,817
A5002	Lower Pit Rd - Ripping	RIPPER	2	10.14	\$10,744
A5003	Lower Pit Rd - Topsoil Haul - Import	NA	1	15.20	\$746,640
A5004	Lower Pit Rd - Topsoil Grade	DOZER	2	7.36	\$7,798
A6002	Sed Pond M201 Rd - Overburden Grade Pond	DOZER	1	13.57	\$7,186
	201 & 301				41,100
A6003	Sed Pond M201 Rd - Ripping	RIPPER	1	1.65	\$877
A6004	Sed Pond M201 Rd - Topsoil Haul - Import	NA	1	1.20	\$60,690
A6005	Sed Pond M201 Rd - Topsoil Grade	DOZER	1	1.56	\$828
A7002	Sed Pond M601 Rd - Overburden Grade Pond	DOZER	2	3.27	\$3,465
	401, 501 & 601				
A7003	Sed Pond M601 Rd - Ripping	RIPPER	2	4.14	\$4,387
A7004	Sed Pond M601 Rd - Topsoil Haul - Import	NA	1	6.20	\$305,040
A7005	Sed Pond M201 Rd - Topsoil Grade	DOZER	2	3.91	\$4,144
A8001	Upper Pit Rd Mod - Overburden Grade	DOZER	4	63.47	\$134,475
A8002	Upper Pit Rd Mod - Ripping	RIPPER	2	5.71	\$6,058
A8003	Upper Pit Rd Mod - Topsoil Haul - Import	NA	1	8.50	\$421,080
A8004	Upper Pit Rd Mod - Topsoil Grade	DOZER	2	5.40	\$5,721
B1000	Stockpile Staging Area - Reveg	REVEGE	1	6.40	\$20,362
B2000	Lower Pit - Reveg	REVEGE	1	68.65	\$218,114
B3000	Upper Pit - Reveg	REVEGE	1	37.12	\$117,875
B4000	Main Haul Rd - Reveg	REVEGE	1	23.36	\$74,219
B5000	Lower Pit Rd - Reveg	REVEGE	1	20.05	\$63,728
B6000	Sed Pond M201 Rd - Reveg	REVEGE	1	1.63	\$5,204
B7000	Sed Pond M601 Rd - Reveg	REVEGE	1	8.19	\$26,020

B8000	Upper Pit Rd Mod - Reveg	REVEGE	1	11.31	\$35,932
C2000	Demo 1	DEMOLISH	1	67.80	\$53,904
C4000	Demo 2	DEMOLISH	1	275.99	\$51,232
D1001	Site Maintenance Items	SITE	1	460.00	\$102,000
		MAINTENANCE			
E1001	Plug Drill Holes	BOREHOLE	1	40.00	\$42,411
E1002	Purchase Riprap	NA	1	500.00	\$66,625
E1003	Rock Vortex Weirs - Ad Hoc Remediation	NA	1	500.00	\$125,000
	Solution				
F1001	Initial Mobilization	MOBILIZE	1	3.00	\$37,947
F1002	Secondary Mobilization	MOBILIZE	1	3.00	\$3,082
F1003	Initial Mobilization	MOBILIZE	1	3.00	\$13,652
F1004	Full Time Road Maintenance	SITE	1	2,000.00	\$401,810
		MAINTENANCE			
		SUBTO	TALS:	5118.96	\$9,268,579

INDIRECT COSTS

OVERHEAD AND PROFIT:

 Liability insurance:
 2.02
 Total =
 \$187,225

 Performance bond:
 1.05
 Total =
 \$97,320

 Job superintendent:
 2,559.48
 Total =
 \$202,890

Profit: 10.00 Total = \$926,858

TOTAL O & P = $\frac{\$1,414,293}{\$10,682,872}$

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

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

Engineering work and/or contract/bid preparation: Reclamation management and/or administration: 5.00 Total = \$454,022

\$534,144

CONTINGENCY: 3.00 Total = \$278,057

TOTAL INDIRECT COST = \$2,681,016

TOTAL BOND AMOUNT (direct + indirect) = \$11,949,595

Task			
Number	Task Description	Task Hrs	Direct Cost
	Lower Pit - Topsoil Haul- Import		
A2003	21,299 CY @ \$120 CY bought & Delivered	51.9	\$ 2,555,880.00
	Upper Pit - Topsoil Haul- Import		
A3003	11,513 CY @ \$120 CY bought & Delivered	28	\$ 1,381,560.00
	Lower Pit Rd - Topsoil Haul- Import		
A5003	6,222 CY @ \$120 CY bought & Delivered	15.2	\$ 746,640.00
	Sed Pond M201 Rd - Topsoil Haul- Import		
A6004	508 CY @ \$120 CY bought & Delivered	1.2	\$ 60,690.00
	Sed Pond M601 Rd - Topsoil Haul- Import		
A7004	2,542 CY @ \$120 CY bought & Delivered	6.2	\$ 305,040.00
	Upper Pit Rd Mod - Topsoil Haul- Import		
A8003	3509 CY @ \$120 CY bought & Delivered	8.5	\$ 421,080.00
E1002	Purchase Riprap	500	\$ 66,625.00
E1003	Rock Vortex Weirs - Ad Hoc	500	\$ 125,000.00

Task description:	Stockpile Staging	g Area - Ovo	erburden Grade		
: _Eagle-Gypsum Min	e Peri	nit Action:	TR12	Permit/Job#:	M1984041
PROJECT IDENTI	<u>IFICATION</u>				
Task #: A1001	State:	Colorado		Abbreviation:	None
Date: $\frac{A1001}{1/15/202}$		Eagle		Filename:	M041-A1001
10:14:39	•	24610		1 11011411101	1.10 11 111001
User: ACY				•	
Agency or org	ganization name: <u>DR</u>	MS			
HOURLY EQUIPM	MENT COST				
Basic Machine: C	Cat D10T - 10SU				
	574				
	Semi-Universal				
	S-shank ripper		<u> </u>		
Shift Basis: 1	per day				
Data Source:(CRG)		<u> </u>		
Cost Breakdown:					
			Utilization %		
Ownership Cost/Hour	r:	\$257.39	NA		
Operating Cost/Hour		\$196.93	100		
Ripper own. Cost/Hour		\$25.02	NA		
Ripper op. Cost/Hour		\$11.73	100		
Operator Cost/Hour	r:	\$38.59	NA		
MATERIAL QUAN					
	988				
	000				
Loose volume: 4,	988 LCY	_			
Source of estimated vo Source of estimated sw			ion, Mining & Safety		
HOURLY PRODU	CTION				
Average push distance:					
Unadjusted hourly produced		Y/hr			
Materials consistency of	description: Dry, no	n-cohesive (0.8		
Average push gradient: Average site altitude:	6,500 feet				
Material weight:	3,375 lbs/LCY			_	
Weight description:	User Provided				
Job Condition Correcti	on Factor		Source		
Operato		750	(AVG.)		
Material cons		800	(CAT HB)		
Dozing r		000	(GEN.)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.681	(CAT HB)
Blade type:	1.000	(PAT)

Adjusted unit production: 466.34 LCY/hr
Adjusted fleet production: 466.34 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$1.136/LCY

Total job time: 10.70 Hours
Total job cost: \$5,665

BULLDOZER RIPPING WORK

	Task description:	Stockpile Staging Area	- Rip	ping				
Site:	Eagle-Gypsum Mine	Permit Ac	tion: _	TR12	·	Permit/Job#:	: <u>M19840</u>	41
	PROJECT IDENTIF	<u>ICATION</u>						
	Task #: A1002	State: Colo	rado		Ab	breviation:	None	
	Date: 1/15/2025 10:19:57 A User: ACY	County: Eagl				Filename:	M041-A	1002
	·	nization name: DRMS						
	HOURLY EQUIPMI							
	<u> </u>				**			
	Basic Machin				Horsepower: Shift Basis:		574	
	Ripper Attachmen	t:3-Shank Ripper		_	Data Source:		oer day CRG)	
	Cost Breakdown:							
					Utilization %			
		ership Cost/Hour:		\$257.39	NA	_		
		rating Cost/Hour:		\$196.93	100	_		
		ership Cost/Hour: rating Cost/Hour:		¢11.72	NA 100	_		
		rating Cost/Hour:erator Cost/Hour:		\$38.59	NA			
	-	l Unit Cost/Hour:		\$529.66	11/1	_		
	Total	Fleet Cost/Hour:	\$529	2.66				
	MATERIAL QUANT				mathad. Am			
	Alternate Methods:		Seie	cted estimating	g method: Ar	ea		
		D 1 W 1		27.4	DCW		NT 4	
eismic:	NA 4.93 ac	Bank Volu eres Rip Depth (_	NA 1.00	BCY Volume:	7,954	NA	BCY or CC
Area:				1.00	voiume	1,934		BC 1 01 CC
	Sourc	e of estimated quantity:	R12					
	HOURLY PRODUC	<u>TION</u>						
	Seismic:							
		Seismic Velocity:		NA	feet/se	econd		
	Area:							
		Average Ripping Depth:		2.88	feet/pa	ass		
		Average Ripping Width:		8.67	feet/pa	ass		
		Average Ripping Length:		150.00	feet/pa			
		Average Dozer Speed:		88.00	feet/m			
		Average Maneuver Time:		0.25		es/pass		
		Production per unit area:		0.916	acres/l	iour		
	Job Condition Correction			0.04.5		19		
	Unadjuste	d Hourly Unit Production:			Acres/	hr		
		Site Altitude:			feet	IID)		
		Altitude Adj: Job Efficiency:		1.00 0.83	(CAT) (1 shift			
		Net Correction:		0.83	(1 siii multip	•		
		-				inci		
		Adjusted Hourly Unit Produc djusted Hourly Fleet Produc		0.76 0.76	Acres/hr Acres/hr			
	JOB TIME AND CO	· ·			110100/111			
		Grader(s)		Total job tim	ne:	6.48	Но	urs
				· ·			110	~~
	Unit cost: \$696	Per acre		Total job co	st:	\$3,433		

TRUCK/LOADER TEAM WORK

Site: <u>Eagle-Gypsum N</u>	<u> Ine</u>	Permit Act	tion: TR12		Permit/Job#: _	M1984041
PROJECT IDEN	TIFICATION					
Task #: A1003 State: Colorac			rado	Ab	breviation:	None
Date: 1/15/2		County: Eagle	e		Filename:	M041-A1003
User: $\frac{12:15}{ACY}$:09 PM				_	
	organization nan	ne: DRMS				
HOURLY EQUI	PMFNT COST	r		Shift has	is: 1 per day	
HOURET EQUI	INENT COST	<u> </u>	Equipment Descri		15. <u>1 per day</u>	
Т	ruck Loader Tea	m -Truck: Ge	eneric 12-18 cy, 6x			
		-Loader: CA	AT 966H high lift			
Supp	ort Equipment -L					
Road M	Dt- aintenance –Moto	imp Area: NA				
			ater Tanker, 3,500	Gal.		
Cost Breakdown:	Truck/Loa	nder Team	Support 1	Equipment	Mainter	nance Equipment
	Truck	Loader	Load Area	Dump Area	Motor Grade	
Utilization-machine:	100	100	NA	NA	N.	A 100
Ownership cost/hour:	\$27.14	\$57.78	NA	NA	N.	
Operating cost/hour:	\$62.81	\$46.25	NA	NA	N.	
%Utilization-riper:	NA	0		NA	N.	
ipper own. cost/hour:	NA	\$0.00		NA NA	N.	· ·
Ripper op. cost/hour:	NA \$25.24	\$0.00 \$36.85	NA NA	NA NA	N.	
Operator cost/hour: Unit Subtotals:	\$115.19	\$140.88	NA NA	NA NA	N.	
Number of Units:	\$113.19 2	1	0	0		0
Group Subtotals:	Work:	\$371.26	Support:	\$0.00	Main	
1		<u> </u>	Support.	φ0.00	Iviaiii	t. \$15.02
Total work team cos	st/hour: \$446.28					
MATERIAL QU	<u>ANTITIES</u>					
Initial volume:	1,988	CC'	Y Swell	factor: 1.000		
Loose volume:						
So	urce of estimated	volume: TR1	12 4.63ac @ 3"			
	of estimated swe		Handbook			
	Material Purcha					
	To	tal Cost: \$0.0)()			
HOURLY PRO	DUCTION					
Truck Capacity:						
Truck Payload (wei						
Material v	veight: 1,600		Pounds/LCY			
	iption: Top So					

Payload Capacity:	31.44	LC'	Y			
Truck Bed (volume) Basis						
Struck Volume:	12.00	LCY				
Heaped Volume:	18.00	LCY				
Average Volume:	15.00	LCY				
Adjusted Volume:	18.00	LCY				
Fin	al Truck Volum	ne Based on Number	of Loader Passes:	15.75	LCY	
Loading Tool Capacity						
D . 10	5 000	I CV (1		eket Size Class:	NA	_
Rated Capacity:	5.000	LCY (heaped		110%) 1.050		_
Bucket Fill Factor: Adjusted Capacity:	1.050 5.250	Other - moist LCY	10am (100-	110%) 1.050		_
Adjusted Capacity.	3.230	LC1				
Job Condition Correction	ns:		Site Altitude (ft.):			
	Truck	Loader	Source			
Altitude Adj: Job Efficiency:	1.000	1.000	(CAT HI			
Ioh Etticiency:	0.830	0.830	(CAT HI	B)		
300 Efficiency.						
Net Correction:	0.830	0.830				
,		0.830 per of Loading Tool	Passes Required to	Fill Truck:	3 1	passes
Net Correction:	e <u>:</u> Numb		Passes Required to	Fill Truck:	31	passes
Net Correction: Loading Tool Cycle Tim Excavators and Front Sho Machine Cycle Time	e: Numb vels: vs. Job Conditi	per of Loading Tool	Passes Required to	Fill Truck:	31	passes
Net Correction: Loading Tool Cycle Tim Excavators and Front Sho Machine Cycle Time Selected Value	e: Numb vels: vs. Job Conditi e within this Ba	oer of Loading Tool lion Rating: NA	Passes Required to	Fill Truck:	31	passes
Net Correction: Loading Tool Cycle Time Excavators and Front Sho Machine Cycle Time Selected Valu Track Loaders	e: Numb vels: vs. Job Conditi e within this Ba – Material Des	oer of Loading Tool lion Rating: NA	Passes Required to	Fill Truck:		passes
Net Correction: Loading Tool Cycle Tim Excavators and Front Sho Machine Cycle Time Selected Value	vels: vs. Job Condition within this Ba Material Description: """	oer of Loading Tool lion Rating: NA	Passes Required to	Fill Truck:		passes
Net Correction: Loading Tool Cycle Time Excavators and Front Sho Machine Cycle Time Selected Valu Track Loaders Cycle Time Elements (min	e: Numb vels: vs. Job Conditi e within this Ba – Material Dese .):	oer of Loading Tool ion Rating: NA sic Rating: NA cription:		Dump: 0.10		
Net Correction: Loading Tool Cycle Time Excavators and Front Sho Machine Cycle Time Selected Valu Track Loaders Cycle Time Elements (min Load: NA Wheel and Track Loader	e: Numboules: vels: vs. Job Condition within this Ba Material Desc.): s - Unadjusted I	oer of Loading Tool ion Rating: NA sic Rating: NA cription:		Dump: 0.10	00 0.500 min	
Net Correction: Loading Tool Cycle Time Excavators and Front Sho Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (mine Load: NA Wheel and Track Loader Cycle Time Factors	e: Numb vels: vs. Job Conditi e within this Ba – Material Dese .):	oer of Loading Tool I ion Rating: NA asic Rating: NA cription: Maneuver: NA Basic Loader Cycle I	Time (load, dump,	Dump: 0.10 maneuver): Factor (min.)	00 0.500 minu Source	
Net Correction: Loading Tool Cycle Time Excavators and Front Sho Machine Cycle Time Selected Valu Track Loaders Cycle Time Elements (min Load: NA Wheel and Track Loader	e: Numberels: vels: vs. Job Condition within this Ba Material Desc.): s - Unadjusted I	oer of Loading Tool ion Rating: NA sic Rating: NA cription:	Time (load, dump,	Dump: 0.10	00 0.500 min	
Net Correction: Loading Tool Cycle Time Excavators and Front Sho Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (mine Load: NA Wheel and Track Loader Cycle Time Factors Material	vels: vs. Job Condition wels: vs. Job Condition within this Ba — Material Desc.): s - Unadjusted I Material 3/4 Material 3/4 No adjustem	oer of Loading Tool I ion Rating: NA asic Rating: NA cription: Maneuver: NA Basic Loader Cycle 7	Time (load, dump,	Dump: 0.10 maneuver): Factor (min.) 0.000	00 minus Source (Cat HB)	
Net Correction: Loading Tool Cycle Time Excavators and Front Sho Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (mine Load: NA Wheel and Track Loader Cycle Time Factors Material Stockpile Truck Ownership Operation	vels: vs. Job Condition within this Ba — Material Deso .): s - Unadjusted I Material 3/4 No adjustm No adjustm No adjustm	per of Loading Tool I ion Rating: NA sic Rating: NA cription: Maneuver: NA Basic Loader Cycle 7 4" to 6" diameter 0.0 ient - factor not appliment - factor not	Time (load, dump, 00 icable 0.00 icable 0.00 licable 0.00	Dump: 0.10 maneuver): Factor (min.) 0.000 0.000 0.000 0.000	00	
Net Correction: Loading Tool Cycle Time Excavators and Front Sho Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (mine Load: NA Wheel and Track Loader Cycle Time Factors Material Stockpile Truck Ownership	vels: vs. Job Condition within this Ba — Material Deso .): s - Unadjusted I Material 3/4 No adjustm No adjustm No adjustm	per of Loading Tool I ion Rating: NA sic Rating: NA cription: Maneuver: NA Basic Loader Cycle 7 4" to 6" diameter 0.0 ient - factor not applient - factor	Time (load, dump, 00 icable 0.00 icable 0.00 licable 0.00 icable 0.00	Dump: 0.10 maneuver): Factor (min.) 0.000 0.000 0.000 0.000 0.000	00 minute	
Net Correction: Loading Tool Cycle Time Excavators and Front Sho Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (mine Load: NA Wheel and Track Loader Cycle Time Factors Material Stockpile Truck Ownership Operation	vels: vs. Job Condition within this Ba — Material Deso .): s - Unadjusted I Material 3/4 No adjustm No adjustm No adjustm	ion Rating: NA sic Rating: NA cription: Maneuver: NA Basic Loader Cycle 4" to 6" diameter 0.0 tent - factor not appliatent -	Time (load, dump, 00 icable 0.00 icable 0.00 icable 0.00 icable 0.00 Time Adjustment:	Dump: 0.10 maneuver): Factor (min.) 0.000 0.000 0.000 0.000 0.000 0.000	000	
Net Correction: Loading Tool Cycle Time Excavators and Front Sho Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (mine Load: NA Wheel and Track Loader Cycle Time Factors Material Stockpile Truck Ownership Operation	vels: vs. Job Condition within this Ba — Material Deso .): s - Unadjusted I Material 3/4 No adjustm No adjustm No adjustm	ion Rating: NA sic Rating: NA cription: Maneuver: NA Basic Loader Cycle of the content of the	Time (load, dump, 00 icable 0.00 icable 0.00 icable 0.00 icable 0.00 Time Adjustment: ader Cycle Time:	Dump: 0.10 maneuver): Factor (min.) 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.500	000 minutes minutes	
Net Correction: Loading Tool Cycle Time Excavators and Front Sho Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (mine Load: NA Wheel and Track Loader Cycle Time Factors Material Stockpile Truck Ownership Operation	vels: vs. Job Condition within this Ba — Material Deso .): s - Unadjusted I Material 3/4 No adjustm No adjustm No adjustm	ion Rating: NA sic Rating: NA cription: Maneuver: NA Basic Loader Cycle of the content of the	Time (load, dump, 00 icable 0.00 icable 0.00 icable 0.00 icable 0.00 Time Adjustment:	Dump: 0.10 maneuver): Factor (min.) 0.000 0.000 0.000 0.000 0.000 0.000	000	
Net Correction: Loading Tool Cycle Time Excavators and Front Sho Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (mine Load: NA Wheel and Track Loader Cycle Time Factors Material Stockpile Truck Ownership Operation	vels: vs. Job Condition within this Ba — Material Deso .): s - Unadjusted I Material 3/4 No adjustm No adjustm No adjustm	ion Rating: NA sic Rating: NA cription: Maneuver: NA Basic Loader Cycle of the content of the	Time (load, dump, 00 icable 0.00 icable 0.00 icable 0.00 icable 0.00 Time Adjustment: ader Cycle Time:	Dump: 0.10 maneuver): Factor (min.) 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.500	000 minutes minutes	
Net Correction: Loading Tool Cycle Time Excavators and Front Sho Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (mine Load: NA Wheel and Track Loader Cycle Time Factors Material Stockpile Truck Ownership Operation Dump Target	vels: vs. Job Condition wels: vs. Job Condition within this Ba — Material Desc.): s - Unadjusted I iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	ion Rating: NA sic Rating: NA cription: Maneuver: NA Basic Loader Cycle of the content of the	Time (load, dump, 00 icable 0.00 icable 0.00 icable 0.00 icable 0.00 Time Adjustment: ader Cycle Time: I Time per Truck:	Dump: 0.10 maneuver): Factor (min.) 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.500	000 minutes minutes	
Net Correction: Loading Tool Cycle Time Excavators and Front Sho Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (mine Load: NA Wheel and Track Loader Cycle Time Factors Material Stockpile Truck Ownership Operation Dump Target	vels: vs. Job Condition wels: vs. Job Condition within this Ba — Material Desc. s - Unadjusted I iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	ion Rating: NA sic Rating: NA cription: Maneuver: NA Basic Loader Cycle of the content of the	Time (load, dump, 00 icable 0.00 icable 0.00 licable 0.00 Time Adjustment: ader Cycle Time: I Time per Truck:	Dump: 0.10 maneuver): Factor (min.) 0.000 0.000 0.000 0.000 0.000 0.000 0.500 1.100	O.500 minutes minutes	utes

<u>Truck Travel (Haul & Return) Time:</u> <u>maintained 3.0</u>

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	3000.00	-6.00	3.00	-3.00	2938	1.064

Haul Time: **1.064** minutes Return Route: Travel Haul Distance Grade (%) Roll. Res Total Res Velocity Seg# Time (Ft) (%) (%) (fpm) (min) 625.00 0.00 3.00 3.00 2874 0.253

Return Time: 0.253 minutes
Total Truck Cycle Time: 3.817 minutes

Loading Tool unit

Production Truck Unit Production

Truck Unit Production

247.58 LCY/Hour Adjusted for job efficiency: 490.22 LCY/Hour Adjusted for job efficiency: 205.49 LCY/Hour Optimal No. of Trucks: 2 Truck(s)

Selected Number of Trucks: 2 Truck(s)

Adjusted hourly truck team production: 410.98 LCY/Hour Adjusted single truck/loader team production: 410.98 LCY/Hour Adjusted multiple truck/loader team production: 410.98 LCY/Hour

JOB TIME AND COST

 Fleet size:
 1
 Team(s)
 Total job time:
 4.84
 Hours

 Unit cost:
 \$1.086
 /LCY
 Total job cost:
 \$2,159

Task description:	Stockpile Stagin	g Area - To _l	osoil Grade		
Eagle-Gypsum Mi	ne Per	mit Action:	TR12	Permit/Job#:	M1984041
PROJECT IDENT	<u>IFICATION</u>				
Task #: A1004	State:	Colorado		Abbreviation:	None
Date: $\frac{A1004}{1/15/202}$		Eagle		Filename:	M041-A1004
12:23:33	•	Lagic		i nename.	141041 711004
User: ACY				-	
Agency or or	rganization name:Dl	RMS			
HOURLY EQUIP	MENT COST				
Basic Machine:	Cat D10T - 10SU				
_	574				
· -	Semi-Universal				
	3-shank ripper				
	1 per day				
_	(CRG)				
Cost Breakdown:					
Cost Breakdo WII.			Utilization %		
Ownership Cost/Hou	ır:	\$257.39	NA		
Operating Cost/Hou		\$196.93	100		
Ripper own. Cost/Hou		\$25.02	NA		
Ripper op. Cost/Hou		\$11.73	100		
Operator Cost/Hou		\$38.59	NA		
MATERIAL QUA	<u>NTITIES</u>				
	,977				
Swell factor: 1	.000				
Loose volume: 6	,977 LCY				
Source of estimated vo	olume: TR12 mi	xed topsoil			
Source of estimated sy					
HOURLY PRODU	<u>ICTION</u>				
Average push distance	e: 100 feet				
Unadjusted hourly pro		Y/hr			
Materials consistency	description: Partly	consolidated	stockpile 1.1		
Average push gradien	t: -5 %				
Average site altitude:	6,500 feet				
Material weight:	_2,500 lbs/LCY			<u> </u>	
Weight description:	User Provided				
Job Condition Correct		.750	Source (AVG.)		
Material cons		.100	(CAT HB)		
		.000	(GEN.)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.600	(FND-SF)
Push gradient:	1.115	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.920	(CAT HB)
Blade type:	1.000	(PAT)

Adjusted unit production: 724.34 LCY/hr
Adjusted fleet production: 724.34 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.731/LCY

Total job time: 9.63 Hours
Total job cost: \$5,102

Task description: Lower Pit - Overburden Gra	de	
e: Eagle-Gypsum Mine Permit Action:	TR12 Permit	t/Job#: <u>M1984041</u>
PROJECT IDENTIFICATION		
Task #: A2001 State: Colorado Date: 1/15/2025 County: Eagle 12:30:27 PM ACY	Abbrevia Filen	
Agency or organization name: DRMS		
HOURLY EQUIPMENT COST Basic Machine: _Cat D10T - 10SU	_	
Horsepower: 574 Blade Type: Semi-Universal	_	
Attachment: 3-shank ripper Shift Basis: 1 per day OCRO	_ _	
Data Source: (CRG) Cost Breakdown:	_	
Orumoushin Cost/House \$257.20	<u>Utilization %</u>	
Ownership Cost/Hour: \$257.39 Operating Cost/Hour: \$196.93	NA 100	
Ripper own. Cost/Hour: \$25.02	NA	
Ripper op. Cost/Hour: \$11.73	100	
Operator Cost/Hour: \$38.59	NA	
MATERIAL QUANTITIES Initial Volume: 946,869 Swell factor: 1.000 Loose volume: 946,869 LCY		
Source of estimated volume: Division of Reclamatic	on, Mining & Safety	_
Source of estimated swell factor: <u>Cat Handbook</u>		
HOURLY PRODUCTION		
Average push distance: 300 feet Unadjusted hourly production: 633.3 LCY/hr		
Materials consistency description: Dry, non-cohesive 0).8	
Average push gradient: -30 % Average site altitude: 6,500 feet		
Material weight: 3,375 lbs/LCY		
Weight description: User Provided		
<u>Job Condition Correction Factor</u> Operator Skill: 0.750	Source (AVG.)	
Material consistency: 0.800	(CAT HB)	
Dozing method: 1.100	(50% SL)	

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.681	(CAT HB)
Blade type:	1.000	(PAT)

Adjusted unit production: 302.59 LCY/hr
Adjusted fleet production: 1815.54 LCY/hr

JOB TIME AND COST

Fleet size: 6 Dozer(s)
Unit cost: \$1.750/LCY

Total job time: 521.54 Hours
Total job cost: \$1,657,405

BULLDOZER RIPPING WORK

	Task description:	Lower Pit - Ripp	ing					
Site:	Eagle-Gypsum Mir	ne Perr	nit Action:	TR12	P	Permit/Job#:	: <u>M19840</u>)41
	PROJECT IDENT	<u>IFICATION</u>						
	Task #: A2002	State:	Colorado		Abb	oreviation:	None	
	Date: 1/15/202		Eagle			Filename:	M041-A	2002
	10:21:44	· AM						
	User: ACY							
	Agency or or	ganization name: <u>DR</u>	MS					
	HOURLY EQUIPN	MENT COST						
	Basic Mach	ine: Cat D10T - 10SU	J		Horsepower:		574	
	Ripper Attachm	ent: 3-Shank Ripper			Shift Basis:		oer day	
					Data Source:	(CRG)	
	Cost Breakdown:							
					Utilization %			
		rnership Cost/Hour:		\$257.39	NA 100	_		
				\$196.93 \$25.02	100 NA	_		
				¢11.72	NA 100	_		
		Operator Cost/Hour:		\$38.59	NA	=		
		tal Unit Cost/Hour:		\$529.66		_		
	Tak		¢1 05	E0 21				
		tal Fleet Cost/Hour:	\$1,05	59.31				
	MATERIAL QUAN	<u>NTITIES</u>	Sele	ected estimating	g method: Are	a		
	Alternate Methods:							
smic:	NA	Bank	v Volume:	NA	BCY		NA	
Area:	52.81	acres Rip I	Depth (ft):	1.00	Volume:	85,200		BCY or CO
	Sou	rce of estimated quantity	v: TR12					
	HOURLY PRODU	-						
		CHON						
	Seismic:	Seismic Veloc	oitu	NA	feet/sec	aand		
		Seisific veloc	city	INA	1eet/sec	COH		
	Area:			• 00				
		Average Ripping De	•		feet/pas			
		Average Ripping Wi Average Ripping Len		8.67 150.00	feet/pas			
		Average Ripping Len Average Dozer Sp		88.00	feet/mi			
		Average Maneuver Ti		0.25	minute			
		Production per unit a		0.916	acres/h	our		
	Job Condition Correcti	on Factors						
	Unadjus	ted Hourly Unit Product	tion:	0.916	Acres/h	hr		
	J	•	ude:		feet			
			Adj:	1.00	(CAT I	HB)		
			ncy:		(1 shift			
		Net Correct	tion:	0.83	multipl	lier		
		Production:	0.76	Acres/hr				
			Acres/hr					
	JOB TIME AND C	Adjusted Hourly Fleet			_			
	Fleet size:	2 Grader(s)		Total job tim	ne:	34.71	Но	ours
				ū				
	Unit cost: \$6	96.292 Per acre		Total job co	st: \$	36,771		

Task description:	Lower Pit - Tops	oil Grade			
Eagle-Gypsum Mine	Peri	nit Action:	TR12	Permit/Job#:	M1984041
PROJECT IDENTIFI	<u>ICATION</u>				
Task #: A2004 Date: 1/15/2025 12:38:12 PM User: ACY	State: County:	Colorado Eagle		Abbreviation: Filename:	None M041-A2004
Agency or organ	nization nama: DR	MS			
		IVIS			
HOURLY EQUIPME	<u> </u>				
Basic Machine: <u>Cat</u> Horsepower: 574	D10T - 10SU		_		
	ni-Universal		_		
71	nank ripper				
	er day				
Data Source: (CR					
Cost Breakdown:		I	Itilization 0/		
Ownership Cost/Hours		\$257.39	<u>Utilization %</u>		
Ownership Cost/Hour: Operating Cost/Hour:		\$196.93	NA 100		
Ripper own. Cost/Hour:		\$25.02	NA		
Ripper own. Cost/Hour:	-	\$11.73	100		
Operator Cost/Hour:		\$38.59	NA		
MATERIAL QUANT Initial Volume: 45,59	<u></u>				
Swell factor: 1.000 Loose volume: 45,59	0 92 LCY				
Source of estimated volur Source of estimated swell		50 topsoil mi book	X		
HOURLY PRODUCT	<u> TION</u>				
Average push distance: Unadjusted hourly produc	etion: $\frac{100 \text{ feet}}{1,718.9 \text{ LC}}$	Y/hr			
Materials consistency des	cription: Partly of	consolidated	stockpile 1.1		
Average push gradient: Average site altitude:	-5 % 6,500 feet				
	2,500 lbs/LCY			_	
Material weight:					
Material weight: Weight description:	User Provided				
Weight description: Job Condition Correction	Factor	750	Source		
•	Factor Skill: 0.	750 100	Source (AVG.) (CAT HB)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.600	(FND-SF)
Push gradient:	1.115	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.920	(CAT HB)
Blade type:	1.000	(PAT)

Adjusted unit production: 724.34 LCY/hr
Adjusted fleet production: 2897.36 LCY/hr

JOB TIME AND COST

Fleet size: 4 Dozer(s)
Unit cost: \$0.731/LCY

Total job time: 15.74 Hours
Total job cost: \$33,338

Task description:	Upper Pit -	Overburden Gra	ade		
: _Eagle-Gypsum Mi	ne	Permit Action:	TR12	Permit/Job#:	M1984041
PROJECT IDENT	<u>IFICATION</u>				
Task #: A3001	St	tate: Colorado		Abbreviation:	None
Date: 1/15/202				Filename:	M041-A300
12:44:5	1 PM			=	
User: ACY					
Agency or o	rganization name:	DRMS			
HOURLY EQUIP	MENT COST				
Basic Machine:	Cat D10T - 10SU				
_	574				
	Semi-Universal				
	3-shank ripper				
	1 per day		_		
	(CRG)				
Cost Breakdown:					
Cost Dieakuowii.			Utilization %		
Ownership Cost/Hou	ır.	\$257.39	NA		
Operating Cost/Hot		\$196.93	100		
Ripper own. Cost/Hou		\$25.02	NA		
Ripper op. Cost/Hot		\$11.73	100		
Operator Cost/Hou		\$38.59	NA		
	99,933 .000				
	99,933 LCY				
Source of estimated v	oluma: TD1	2 Instraburden			
Source of estimated vi		Handbook			
Source of estimated so	ven factor. <u>eat</u>	Handook			
HOURLY PRODU	<u>ICTION</u>				
Average push distance					
Unadjusted hourly pro	duction: 1,209.	5 LCY/hr			
Materials consistency	description: D	ry, non-cohesive	0.8		
Avorage much anddi	t. 0.04				
Average push gradien Average site altitude:	t: 0 % 6,500 feet				
Material weight:	3,375 lbs/LC	Y			
Weight description:	User Provide	d			
Job Condition Correct			Source		
	or Skill:	0.750	(AVG.)		
Material con		0.800	(CAT HB)		
Dozing	method:	1.100	(50% SL)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.681	(CAT HB)
Blade type:	1.000	(PAT)

Adjusted unit production: 360.91 LCY/hr
Adjusted fleet production: 1443.64 LCY/hr

JOB TIME AND COST

Fleet size: 4 Dozer(s)
Unit cost: \$1.468/LCY

Total job time: 138.49 Hours
Total job cost: \$293,413

BULLDOZER RIPPING WORK

	Task description:	Upper Pit - Rippi	ng					
Site:	Eagle-Gypsum Min	ne Pern	nit Action:	TR12	P	ermit/Job#:	: <u>M19840</u>	41
	PROJECT IDENTI	FICATION						
	Task #: A3002	State:	Colorado		Abb	reviation:	None	
	Date: 1/15/202	5 County:	Eagle			Filename:	M041-A	3002
	User: $\frac{10:22:24}{ACY}$	AM						
	·		MC					
		ganization name: <u>DR</u>	MS					
	HOURLY EQUIPM							
	Basic Machi		J		Horsepower:		574	
	Ripper Attachme	ent: 3-Shank Ripper			Shift Basis: Data Source:		per day CRG)	
	Corr Donal Loren				Data Source.		CKO)	
	Cost Breakdown:				Utilization %			
	Ow	nership Cost/Hour:		\$257.39	NA			
		——————————————————————————————————————		\$196.93	100	=		
				\$25.02	NA	-		
				\$11.73	100	_		
		perator Cost/Hour:		\$38.59	NA	_		
	То	tal Unit Cost/Hour:		\$529.66				
	Tot	al Fleet Cost/Hour:	\$1,05	59.31				
	MATERIAL QUAN	NTITIES	Sele	ected estimating	method: Area	a		
	Alternate Methods:		Ser	octed estimating	, memod			
smic:	NA	Panl	Volume:	NA	BCY		NA	
Area:			Depth (ft):	1.00		46,045	INA.	BCY or CO
		-	-			,		
		rce of estimated quantity	y: <u>1R12</u>					
	HOURLY PRODU	<u>CTION</u>						
	Seismic:							
		Seismic Veloc	city:	NA	feet/sec	ond		
	Area:							
		Average Ripping De	pth:	2.88	feet/pas	S		
		Average Ripping Wi	dth:	8.67	feet/pas	S		
		Average Ripping Len		150.00	feet/pas			
		Average Dozer Sp		88.00	feet/mii			
		Average Maneuver Ti		0.25	minutes			
		Production per unit a	rea:	0.916	acres/ho	our		
	Job Condition Correcti	on Factors						
	Unadjust	ted Hourly Unit Product	ion:	0.916	Acres/h	r		
			ude:		feet			
		Altitude A	-	1.00	(CAT H			
			ncy:		(1 shift/	•		
		Net Correct	ion:	0.83	multipli	ier		
		Adjusted Hourly Unit l	Production:	0.76	Acres/hr			
		Adjusted Hourly Fleet l	Production:	1.52	Acres/hr			
	JOB TIME AND C	<u>OST</u>						
	Fleet size:	2 Grader(s)		Total job tim	ne:1	18.76	Но	urs
	Unit cost: \$69	96.292 Per acre		Total job co	st· \$ 1	19,872		
	Oπι σοσι. ψ0,	, o, _ , _ 1 or acro		1000 00	υ., ψι			

Task description:	Upp	er Pit - Tops	soil Grade			
Eagle-Gypsum	Mine	Per	mit Action:	TR12	Permit/Job#:	M1984041
PROJECT IDE	NTIFICATI	<u>ON</u>				
Task #: A300)4	State:	Colorado		Abbreviation:	None
Date: 1/15/		County:	Eagle		Filename:	M041-A3004
	9:18 PM				<u> </u>	
User: ACY						
Agency o	r organization	name: Dl	RMS			
HOURLY EQU	IPMENT CO	<u>OST</u>				
Basic Machine:	Cat D10T -	- 10SU				
Horsepower:	574					
Blade Type:	Semi-Univ			<u> </u>		
Attachment:	3-shank rip	per				
Shift Basis:	1 per day					
Data Source:	(CRG)			<u>—</u>		
Cost Breakdown:						
				Utilization	<u>%</u>	
Ownership Cost/I	Hour:		\$257.39	NA		
Operating Cost/I			\$196.93	100		
Ripper own. Cost/I			\$25.02	NA		
Ripper op. Cost/I	Hour:		\$11.73	100		
Operator Cost/I	Hour:		\$38.59	NA		
MATERIAL QU Initial Volume:	23,026					
Swell factor:	1.000					
Loose volume:	23,026 LCY	7	<u></u>			
	,			Æ:		
Source of estimated Source of estimated		Cat Hand	/50 Topsoil N	/IIX		
Source of estimated	i swell factor.	Cat Haiic	DOOK			
HOURLY PRO	DUCTION					
Average push dista	nce:	100 feet				
Unadjusted hourly		1,718.9 LC	Y/hr			
Materials consisten	cy description	n: Partly	consolidated	stockpile 1.1		
Average push grad	ient: 30 %					
Average site altitud		feet				
Material weight:	2,500	lbs/LCY				
Weight description	: User	Provided				
Job Condition Corr	ection Factor			Sour	<u>rce</u>	
	erator Skill:		.750	(AV		
	onsistency:		.100	(CAT		
Dozi	ng method:	1	.000	(GEI	V.)	

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.600	(FND-SF)
Push gradient:	0.298	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.920	(CAT HB)
Blade type:	1.000	(PAT)

Adjusted unit production: 193.55 LCY/hr
Adjusted fleet production: 387.1 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: \$2.737/LCY

Total job time: 59.48 Hours
Total job cost: \$63,011

BULLDOZER RIPPING WORK

User: ACY Agency or organization name: DRMS HOURLY EQUIPMENT COST Basic Machine: Cat D10T - 10SU Horsepower: 574 Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day Data Source: (CRG) Cost Breakdown: Ownership Cost/Hour: \$257.39 NA Operating Cost/Hour: \$196.93 100	ne 41-A4002
Task #: A4002 State: Colorado Abbreviation: Non Date: 1/15/2025 County: Eagle Filename: M04 10:23:14 AM User: ACY Agency or organization name: DRMS HOURLY EQUIPMENT COST Basic Machine: Cat D10T - 10SU Horsepower: 574 Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day Data Source: (CRG) Cost Breakdown: Ownership Cost/Hour: \$257.39 NA Operating Cost/Hour: \$196.93 100	41-A4002
Date: 1/15/2025 County: Eagle Filename: M04 10:23:14 AM User: ACY Agency or organization name: DRMS HOURLY EQUIPMENT COST Basic Machine: Cat D10T - 10SU Horsepower: 574 Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day Data Source: (CRG) Cost Breakdown: Ownership Cost/Hour: \$257.39 NA Operating Cost/Hour: \$196.93 100	41-A4002
10:23:14 AM User: ACY Agency or organization name: DRMS	
Agency or organization name: DRMS HOURLY EQUIPMENT COST Basic Machine: Cat D10T - 10SU Horsepower: 574 Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day Data Source: (CRG) Cost Breakdown: Utilization % Ownership Cost/Hour: \$257.39 NA Operating Cost/Hour: \$196.93 100	
HOURLY EQUIPMENT COST Basic Machine: Cat D10T - 10SU Horsepower: 574 Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day Data Source: (CRG) Cost Breakdown: Utilization % Ownership Cost/Hour: \$257.39 NA Operating Cost/Hour: \$196.93 100	
Basic Machine: Cat D10T - 10SU Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day Data Source: (CRG) Cost Breakdown: Utilization % Ownership Cost/Hour: \$257.39 NA Operating Cost/Hour: \$196.93 100	
Ripper Attachment: 3-Shank Ripper Shift Basis: Data Source: (CRG) Cost Breakdown: Utilization % Ownership Cost/Hour: \$257.39 NA Operating Cost/Hour: \$196.93 100	
Cost Breakdown: Ownership Cost/Hour: \$257.39 NA Operating Cost/Hour: \$196.93 100	
Cost Breakdown: Ownership Cost/Hour: \$257.39 NA Operating Cost/Hour: \$196.93 100	
Ownership Cost/Hour: \$257.39 NA Operating Cost/Hour: \$196.93 100	
Operating Cost/Hour: \$196.93 100	
Ripper Ownership Cost/Hour: \$25.02 NA Ripper Operating Cost/Hour: \$11.73 100	
Operator Cost/Hour: \$11.73 100 NA	
Total Unit Cost/Hour: \$529.66	
Total Fleet Cost/Hour: \$1,059.31	
MATERIAL QUANTITIES Selected estimating method: Area	
Alternate Methods:	
eismic: NA Bank Volume: NA BCY NA	
Area: 17.97 acres Rip Depth (ft): 1.00 Volume: 28,992	BCY or CC
Source of estimated quantity: TR12	
HOURLY PRODUCTION	
Seismic:	
Seismic Velocity: NA feet/second	
· ————	
Area: Average Ripping Depth: 2.88 feet/pass	
Average Ripping Width: 8.67 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: 0.916 acres/hour	
Job Condition Correction Factors	
Unadjusted Hourly Unit Production: 0.916 Acres/hr	
Site Altitude: 6,500 feet	
Altitude Adj: 1.00 (CAT HB) Job Efficiency: 0.83 (1 shift/day)	
Job Efficiency: 0.83 (1 shift/day) Net Correction: 0.83 multiplier	
Adjusted Hourly Unit Production: 0.76 Acres/hr	
Adjusted Hourly Fleet Production: 0.70 Acres/hr Adjusted Hourly Fleet Production: 1.52 Acres/hr	
ACIUSIU FIORITY FIORI FIORICHOII ACIUS/III	
JOB TIME AND COST	
	_ Hours

TRUCK/LOADER TEAM WORK

Task description:	Main H	aul Rd - Topsoil	Haul						
Site: Eagle-Gypsum I	Mine	Permit Action	on: TR12]	Permit/Job#: M	1984041			
PROJECT IDEN									
Task #: _ A400	3	State: Colora	ıdo	Ab	breviation: No	ne			
Date: 11/7/	2024	County: Eagle			Filename: M0	41-A4003			
User: ACY									
	organization nar					·			
HOURLY EQUI	PMENT COST	_			is: 1 per day				
	Гruck Loader Tea		Equipment Descri	•					
	Truck Loader Tea		eric 12-18 cy, 6x4 Γ 966H high lift	+					
Supp	ort Equipment -L	oad Area: NA							
Dand M		imp Area: NA							
Road M	laintenance –Mote Wa-		er Tanker, 3,500	Gal.					
		NOT TIMOTH THE	27 14111101, 2,2 3 3	<u> </u>					
Cost Breakdown:		ader Team		Equipment		ce Equipment			
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck			
%Utilization-machine:	100	100	NA	NA	NA	100			
Ownership cost/hour:	\$27.14	\$57.78	NA	NA	NA	\$17.11			
Operating cost/hour:	\$62.81	\$46.25	NA	NA	NA	\$36.79			
%Utilization-riper:	NA	0	NA	NA	NA	NA			
Ripper own. cost/hour:	NA	\$0.00	NA	NA	NA	\$0.00			
Ripper op. cost/hour:	NA	\$0.00	NA NA	NA	NA	\$0.00			
Operator cost/hour:	\$25.24	\$36.85	NA NA	NA NA	NA NA	\$21.12			
Unit Subtotals: Number of Units:	\$115.19	\$140.88 1	NA 0	NA 0	NA 0	\$75.02 1			
Group Subtotals:	Work:	\$486.45	Support:	\$0.00	Maint:	\$75.02			
Group Subtotals.		·	Support.	φυ.υυ	Maint.	\$13.02			
Total work team co	st/hour: \$561.47	<u>'</u>							
MATERIAL QU	ANTITIES								
•									
Initial volume Loose volume		CCY LCY	Swell	factor: 1.000					
	ource of estimated of estimated		2 17.97 ac @ 3" Iandbook						
Source	Material Purch								
		otal Cost: \$0.00							
HOURLY PRO	<u>DUCTION</u>								
Truck Capacity:									
Truck Payload (wei	_		D 1 7 CY						
Material v		rovided	Pounds/LCY						
Rated Pa	-		Pounds						
	Payload Capacity: 20.12 LCY								

Truck Bed (volume) Basi Struck Volume:	12.00) LCY					
Heaped Volume:	18.00						
Average Volume:	15.00						
Adjusted Volume:							
	inal Truck V	Volume Based	on Number of Loa	ader Passes:	15.75	LCY	Y
Loading Tool Capacity				Puel	cet Size Class:	NA	
Rated Capacity	. 5	000 L	CY (heaped)	Duci	ct Size Class.	IVA	
Bucket Fill Factor			Other - moist loam	(100-1	10%) 1.050		
Adjusted Capacity			CY	(100 1	1070) 1.030		
Job Condition Correction	ons:		Site A	ltitude (ft.): <u>4</u>	1680 feet		
	Truck	7	Loader	Source			
Altitude Adj:	1.000		1.000	(CAT HB)		
Job Efficiency:	0.830		0.830	(CAT HB			
·				,			
Net Correction:	0.830	1	0.830				
Excavators and Front Sh Machine Cycle Tim Selected Val	ovels: ne vs. Job C	ondition Ratir	ng: <u>NA</u>	Required to	Fill Truck:	3	passes
Machine Cycle Tim Selected Val Track Loader	ovels: ne vs. Job C ue within thes – Materia		ng: NA NA NA	Required to	THI TIUCK.	3	passes
Machine Cycle Tim Selected Val Track Loader Cycle Time Elements (mi	ovels: ne vs. Job C ue within thes – Materia	ondition Ratir nis Basic Ratir ll Description:	ng: NA NA NA	Required to			passes
Machine Cycle Tim Selected Val Track Loader	ovels: ne vs. Job C ue within thes – Materia	ondition Ratir	ng: NA NA NA	Required to		100	passes
Machine Cycle Tim Selected Val Track Loader Cycle Time Elements (mi	ovels: ne vs. Job C ue within the rs – Materia n.):	ondition Ratir nis Basic Ratir Il Description: Maneuv	ng: NA ng: NA er: NA		Dump:0.	100	passes minutes
Machine Cycle Tim Selected Val Track Loader Cycle Time Elements (mi Load: NA	ovels: ne vs. Job C ue within thes — Materia n.): ers - Unadju	ondition Ratir nis Basic Ratir Il Description: Maneuv asted Basic Lo	ng: NA ng: NA er: NA ader Cycle Time (I	oad, dump, r	Dump: 0. naneuver): Factor (min.)	100 0.500) Sou	minutes
Machine Cycle Tim Selected Val Track Loader Cycle Time Elements (mi Load: <u>NA</u> Wheel and Track Loade Cycle Time Facto Materia	ovels: ne vs. Job C ue within the s – Materia n.): ers - Unadju rs l: No ad	ondition Ratir nis Basic Ratir Il Description: Maneuv Isted Basic Lo justment - fac	er: NA ader Cycle Time (I	oad, dump, r	Dump: 0. naneuver): Factor (min.) 0.000	100 0.500 Sou (Cat	minutes nrce HB)
Machine Cycle Tim Selected Val Track Loader Cycle Time Elements (mi Load: NA Wheel and Track Loade Cycle Time Facto Materia Stockpil	ovels: ne vs. Job C ue within the s – Materia n.): ers - Unadju rs l: No ad e: No ad	ondition Ratir nis Basic Ratir Il Description: Maneuv ested Basic Lo justment - fac justment - fac	er: NA ader Cycle Time (I	oad, dump, r	Dump: 0. naneuver): Factor (min.) 0.000 0.000	0.500 Sou (Cat (Cat	minutes arce HB) HB)
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Machine Cycle Tim Selected Val Track Loader Cycle Time Elements (mi Load: NA Wheel and Track Loade Cycle Time Facto Materia Stockpil Truck Ownershi Operatio	ers - Unadjurs No adp: No adn: No adn.	ondition Ratir his Basic Ratir ll Description: Maneuv sted Basic Lo justment - fac justment - fac justment - fac	er: NA ader Cycle Time (I tor not applicable (tor not applicable (tor not applicable (tor not applicable (tor not applicable)	oad, dump, r	Dump:0. naneuver): Factor (min.)	0.500 Sou (Cat ()))))))))))))))))))))))))))))))))))	minutes HB) HB) HB)
Machine Cycle Tim Selected Val Track Loader Cycle Time Elements (mi Load: NA Wheel and Track Loader Cycle Time Factor Materia Stockpil Truck Ownershi	ers - Unadjurs No adp: No adn: No adn.	dondition Ratirals Basic Ratiral Description: Maneuversted Basic Logiustment - factiustment - f	er: NA ader Cycle Time (I tor not applicable (tor not applicable (oad, dump, r	Dump:0. naneuver): Factor (min.) 0.000 0.000 0.000 0.000 0.000	0.500 Sou (Cat ()))))))))))))))))))))))))))))))))))	minutes rece HB) HB) HB) HB)
Machine Cycle Tim Selected Val Track Loader Cycle Time Elements (mi Load: NA Wheel and Track Loade Cycle Time Facto Materia Stockpil Truck Ownershi Operatio	ers - Unadjurs No adp: No adn: No adn.	Maneuv Isted Basic Lo justment - fac	er: NA ader Cycle Time (I tor not applicable (tor not applicable (oad, dump, r 0.00 0.00 0.00 0.00 djustment:	Dump:0. naneuver): Factor (min.)	0.500 Sou (Cat (Cat (Cat (Cat (Cat min	minutes mrce HB) HB) HB) HB) HB) HB) utes
Machine Cycle Tim Selected Val Track Loader Cycle Time Elements (mi Load: NA Wheel and Track Loade Cycle Time Facto Materia Stockpil Truck Ownershi Operatio	ers - Unadjurs No adp: No adn: No adn.	Maneuv Isted Basic Lo justment - fac	er: NA ader Cycle Time (I tor not applicable (tor not applicable (0.00 0.00 0.00 djustment:	Dump:0. naneuver): Factor (min.) 0.000 0.000 0.000 0.000 0.000	0.500 Sou (Cat (Cat (Cat (Cat (Cat min	minutes Ince HB) HB) HB) HB) HB) utes utes
Machine Cycle Tim Selected Val Track Loader Cycle Time Elements (mi Load: NA Wheel and Track Loade Cycle Time Facto Materia Stockpil Truck Ownershi Operatio	ers - Unadjurs No adp: No adn: No adn.	Maneuv Isted Basic Lo justment - fac	er: NA ader Cycle Time (I tor not applicable (tor not applicable (tor not applicable) Net Cycle Time A Adjusted Loader C	0.00 0.00 0.00 djustment:	Dump: 0. naneuver): Factor (min.) 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.500 Sou (Cat (Cat (Cat (Cat min min min min min (Cat ()))))))))))))))))))))))))))))))))))	minutes Ince HB) HB) HB) HB) HB) utes utes
Machine Cycle Tim Selected Val Track Loader Cycle Time Elements (mi Load: NA Wheel and Track Loader Cycle Time Factor Materia Stockpil Truck Ownershi Operatio Dump Targe	ne vs. Job C ue within the s – Materia n.): ers - Unadjuers li: No ad e: No ad p: No ad n: No ac et: Nomin	Maneuv Isted Basic Lo justment - fac	er: NA ader Cycle Time (I tor not applicable (tor not applicable (tor not applicable) Net Cycle Time A Adjusted Loader C	oad, dump, r 0.00 0.00 0.00 0.00 djustment: ycle Time: per Truck:	Dump: 0. naneuver): Factor (min.) 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.500 Sou (Cat (Cat (Cat (Cat min min	minutes Ince HB) HB) HB) HB) HB) utes utes utes
Machine Cycle Tim Selected Val Track Loader Cycle Time Elements (min Load: NA Nateria Stockpil Truck Ownershi Operatio Dump Targe	ers - Unadjurs No ade: No ade: Nomin	Maneuv Isted Basic Lo justment - fac Maneuv	er: NA ader Cycle Time (I tor not applicable (I tor not applicabl	oad, dump, r 0.00 0.00 0.00 0.00 djustment: ycle Time: per Truck:	Dump: _0. naneuver): Factor (min.)	0.500 Sou (Cat (Cat (Cat (Cat min min min min (0.500	minutes rce HB) HB) HB) HB) utes utes utes

<u>Truck Travel (Haul & Return) Time:</u> Road Condition: <u>Firm, smooth, rolling, dirt/lt. surfaced, watered, maintained 3.0</u>

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	3070.00	0.00	3.00	3.00	2824	1.248

Haul Time: **1.248** minutes Return Route: Travel Haul Distance Grade (%) Roll. Res Total Res Velocity Seg# Time (Ft) (%) (%) (fpm) (min) 3070.00 0.00 3.00 3.00 2874 1.104

Return Time: 1.104 minutes
Total Truck Cycle Time: 4.852 minutes

Loading Tool unit

Production 590.63 LCY/Hour Adjusted for job efficiency: 490.22 LCY/Hour Truck Unit Production 194.77 LCY/Hour Adjusted for job efficiency: 161.65 LCY/Hour

Optimal No. of Trucks: 3 Truck(s) Selected Number of Trucks: 3 Truck(s)

Adjusted hourly truck team production: 484.96 LCY/Hour Adjusted single truck/loader team production: 484.96 LCY/Hour Adjusted multiple truck/loader team production: 484.96 LCY/Hour

JOB TIME AND COST

 Fleet size:
 1
 Team(s)
 Total job time:
 14.95
 Hours

 Unit cost:
 \$1.158
 /LCY
 Total job cost:
 \$8,391

Task description: Ma	ain Haul Rd - Topsoil Gra	de		
e: Eagle-Gypsum Mine	Permit Action:	TR12	Permit/Job#:	M1984041
PROJECT IDENTIFICAT	TION			
Task #: A4004	State: Colorado		Abbreviation:	None
Date: 11/7/2024	County: Eagle		Filename:	M041-A4004
User: ACY	, <u> </u>		-	
Agency or organization	on name: DRMS			
HOURLY EQUIPMENT	COST			
Basic Machine: Cat D107	7 - 10SU			
Horsepower: 574		<u> </u>		
Blade Type: Semi-Un				
Attachment: 3-shank r		<u>—</u>		
Shift Basis: 1 per day		<u> </u>		
Data Source: (CRG)				
Cost Breakdown:		i		
		<u>Utilization %</u>		
Ownership Cost/Hour:	\$257.39	NA 100		
Operating Cost/Hour:	\$196.93	100		
Ripper own. Cost/Hour:	\$25.02 \$11.73	NA 100		
Ripper op. Cost/Hour:	\$11.73			
Operator Cost/Hour:	\$38.59	NA		
MATERIAL QUANTITIE Initial Volume: 14,496 Swell factor: 1.000				
Loose volume: 14,496 LC	<u>Y</u>			
Source of estimated volume: Source of estimated swell factor	r: TR 12 50/50 topsoil i	mix 		
HOURLY PRODUCTION				
Average push distance: Unadjusted hourly production:	100 feet 1,718.9 LCY/hr			
Materials consistency description	on: Partly consolidated	stockpile 1.1		
Average push gradient: 0 % Average site altitude: 6,50	00 feet			
Material weight: 2,50	00 lbs/LCY			
Weight description: Use	r Provided			
Job Condition Correction Factor		Source		
Operator Skill:	0.750	(AVG.)		
Material consistency:	1.100	(CAT HB)		
Dozing method:	1.000	(GEN.)		
Visibility:	1.000	(AVG.)		

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.600	(FND-SF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.920	(CAT HB)
Blade type:	1.000	(PAT)

Adjusted unit production: 649.74 LCY/hr
Adjusted fleet production: 1299.48 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: \$0.815/LCY

Total job time: 11.16 Hours
Total job cost: \$11,817

BULLDOZER RIPPING WORK

	Task description:	Lower Pit Rd - Ri	ipping					
Site:	Eagle-Gypsum Mine	e Perm	nit Action:	TR12	P	ermit/Job#	: <u>M19840</u>	41
	PROJECT IDENTIFICATION							
	Task #: A5002	State:	Colorado		Abb	reviation:	None	
	Date: 1/15/2025 10:24:20	•	Eagle		<u> </u>	Filename:	M041-A5	002
	User: ACY	anization name: DR	MS					
	HOURLY EQUIPM		WIS					
			*		**		57.4	
	Basic Machir		J		Horsepower:		574	
	Ripper Attachme	nt: 3-Shank Ripper		<u></u>	Shift Basis: Data Source:		oer day CRG)	
	Cost Breakdown:							
					Utilization %			
		ership Cost/Hour:		\$257.39	NA	_		
		1. 0 //		\$196.93 \$25.02	100	=		
				¢11.72	NA 100	=		
		perator Cost/Hour:		\$38.59	NA	=		
	-	al Unit Cost/Hour:		\$529.66		=		
	Tota	l Fleet Cost/Hour:	\$1,05	59.31				
	MATERIAL QUAN	TITIES	Sele	ected estimating	g method: Area	a		
	Alternate Methods:	<u></u>	Bek	eted estimating	memod	u		
eismic:	NA	Rank	Volume:	NA	BCY		NA	
Area:			Depth (ft):	1.00		24,894	11/1	BCY or CCY
	Source	ce of estimated quantity	r: TR12					
	HOURLY PRODUC							
	Seismic:	<u> </u>						
	Seisinic.	Seismic Veloc	eitv:	NA	feet/sec	cond		
	Area:	Average Ripping De	nth:	2.88	feet/pas	20		
		Average Ripping Wi			feet/pas			
		Average Ripping Len		150.00	feet/pas			
		Average Dozer Spe		88.00	feet/mi			
		Average Maneuver Ti		0.25	minutes	s/pass		
		Production per unit a	rea:	0.916	acres/he	our		
	Job Condition Correction	n Factors						
	Unadjuste	ed Hourly Unit Product	ion:	0.916	Acres/h	nr		
			ıde:		feet			
		Altitude A		1.00	(CAT H			
		Job Efficier			(1 shift	•		
		Net Correct		0.83	multipl	ier		
		Adjusted Hourly Unit I Adjusted Hourly Fleet I		0.76 1.52	Acres/hr Acres/hr			
			rioduction.	1,52	Acres/III			
	JOB TIME AND CO			Total int tim	201	10 14	TT.	340
	Fleet size:	2 Grader(s)		Total job tim		10.14	Но	118
	Unit cost: \$69	6.292 Per acre		Total job co	st:\$1	10,744		

	er Pit Rd - Topsoil Grac			
Eagle-Gypsum Mine	Permit Action:	TR12	_ Permit/Job#:	M1984041
PROJECT IDENTIFICATION	<u>ON</u>			
Task #: A5004 Date: 1/21/2025 10:21:18 AM User: ACY	State: Colorado County: Eagle		Abbreviation: _Filename:	None M041-A5004
Agency or organization	name: DRMS			
HOURLY EQUIPMENT CO				
Basic Machine: Cat D10T - Horsepower: 574 Blade Type: Semi-University Attachment: 3-shank rip Shift Basis: 1 per day	10SU ersal			
Data Source: (CRG)		<u> </u>		
Cost Breakdown: Ownership Cost/Hour: Operating Cost/Hour: Ripper own. Cost/Hour: Ripper op. Cost/Hour: Operator Cost/Hour:	\$257.39 \$196.93 \$25.02 \$11.73 \$38.59	Utilization % NA 100 NA 100 NA 100 NA		
T 1 T 1 C 1 T 61 0 F	Λ 21			
Total Fleet Cost/Hour: \$1,05 MATERIAL QUANTITIES Initial Volume: 12,444 Swell factor: 1.000	9.31			
MATERIAL QUANTITIES Initial Volume: 12,444				
MATERIAL QUANTITIES Initial Volume: 12,444 Swell factor: 1.000		eet		
MATERIAL QUANTITIES Initial Volume: 12,444 Swell factor: 1.000 Loose volume: 12,444 LCY Source of estimated volume: Source of estimated swell factor:	TR-12 AR4 spreadsho	eet		
MATERIAL QUANTITIES Initial Volume: 12,444 Swell factor: 1.000 Loose volume: 12,444 LCY Source of estimated volume:	TR-12 AR4 spreadsho	eet		
MATERIAL QUANTITIES Initial Volume: 12,444 Swell factor: 1.000 Loose volume: 12,444 LCY Source of estimated volume: Source of estimated swell factor: HOURLY PRODUCTION Average push distance:	TR-12 AR4 spreadsho Cat Handbook 100 feet 1,718.9 LCY/hr			
MATERIAL QUANTITIES Initial Volume: 12,444 Swell factor: 1.000 Loose volume: 12,444 LCY Source of estimated volume: Source of estimated swell factor: HOURLY PRODUCTION Average push distance: Unadjusted hourly production:	TR-12 AR4 spreadsho Cat Handbook 100 feet 1,718.9 LCY/hr : Partly consolidated			
MATERIAL QUANTITIES Initial Volume: 12,444 Swell factor: 1.000 Loose volume: 12,444 LCY Source of estimated volume: Source of estimated swell factor: HOURLY PRODUCTION Average push distance: Unadjusted hourly production: Materials consistency description Average push gradient: -5 % Average site altitude: 6,500	TR-12 AR4 spreadsho Cat Handbook 100 feet 1,718.9 LCY/hr : Partly consolidated			
MATERIAL QUANTITIES Initial Volume: 12,444 Swell factor: 1.000 Loose volume: 12,444 LCY Source of estimated volume: Source of estimated swell factor: HOURLY PRODUCTION Average push distance: Unadjusted hourly production: Materials consistency description Average push gradient: -5 % Average site altitude: 6,500 Material weight: 2,500	TR-12 AR4 spreadshed Cat Handbook 100 feet 1,718.9 LCY/hr : Partly consolidated feet			
MATERIAL QUANTITIES Initial Volume: 12,444 Swell factor: 1.000 Loose volume: 12,444 LCY Source of estimated volume: Source of estimated swell factor: HOURLY PRODUCTION Average push distance: Unadjusted hourly production: Materials consistency description Average push gradient: -5 % Average site altitude: 6,500 Material weight: 2,500	TR-12 AR4 spreadsho Cat Handbook 100 feet 1,718.9 LCY/hr : Partly consolidated feet lbs/LCY			

Visibility:	1.000	(AVG.)
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:	0.920	(CAT HB)
Blade type:	1.000	(PAT)

Adjusted unit production: 845.18 LCY/hr
Adjusted fleet production: 1690.36 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: \$0.627/LCY

Total job time: 7.36 Hours
Total job cost: \$7,798

Task description:	Sed Pond M201				
Eagle-Gypsum Mine	Per	mit Action:	TR12	Permit/Job#:	M1984041
PROJECT IDENTIFIC	<u>CATION</u>				
Task #: A6002	State:	Colorado		Abbreviation:	None
Date: 1/21/2025	County:	Eagle		Filename:	M041-A6002
10:26:50 AM		Lugie		i nename.	1/10/11 /10002
User: ACY				-	
Agency or organi	zation name: DF	RMS			_
HOURLY EQUIPMEN	NT COST				
Basic Machine: Cat I	D10T - 10SU				
Horsepower: 574	0101 - 1030		<u> </u>		
1	i-Universal				
71	ank ripper				
Shift Basis: 1 per					
Data Source: (CRC			<u> </u>		
Cost Breakdown:	,				
Cost breakdown.			Utilization %		
Ownership Cost/Hour:		\$257.39	NA		
Operating Cost/Hour:		\$196.93	100		
Ripper own. Cost/Hour:		\$25.02	NA		
KIDDELOWIL COSI/HOIII		\$11.73	100		
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour:	\$529.66 \$529.66	\$38.59	NA NA		
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour:	\$529.66				
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume: 6,327 Swell factor: 1.000	\$529.66 TIES				
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume: 6,327	\$529.66 TIES				
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume: Swell factor: Loose volume: 6,327 6,327	\$529.66 TIES LCY	\$38.59	NA		
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume: 6,327 Swell factor: 1.000	\$529.66 TIES LCY e:TR12 AR	\$38.59	NA		
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume: 6,327 Swell factor: 1.000 Loose volume: 6,327 Source of estimated volume	\$529.66 TIES LCY e:TR12 AR	\$38.59	NA		
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume: 6,327 Swell factor: 1.000 Loose volume: 6,327 Source of estimated volume	#529.66 TIES LCY e: TR12 AR factor: Cat Hand	\$38.59	NA		
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume: 6,327 Swell factor: 1.000 Loose volume: 6,327 Source of estimated volums Source of estimated swell f	#529.66 TIES LCY e: TR12 AR Cat Hand	\$38.59	NA		
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume: Swell factor: Loose volume: 6,327 Source of estimated volumes Source of estimated swell factors	\$529.66 TIES LCY e: TR12 AR factor: Cat Hand ION 100 feet	\$38.59	NA		
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume: 6,327 Swell factor: 1.000 Loose volume: 6,327 Source of estimated volum: Source of estimated swell factor: HOURLY PRODUCTI Average push distance:	#529.66 TIES LCY Be: TR12 AR Cat Hand ION 100 feet 1,718.9 LC	\$38.59	et		
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume: 6,327 Swell factor: 1.000 Loose volume: 6,327 Source of estimated volume Source of estimated swell fer to the standard swell fer to the standard system of	\$529.66 TIES LCY e: TR12 AR factor: Cat Hand ION 100 feet 1,718.9 LC ription: Wet, hi	\$38.59	et		
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume: 6,327 Swell factor: 1.000 Loose volume: 6,327 Source of estimated volumes Source of estimated swell factor: HOURLY PRODUCTI Average push distance: Unadjusted hourly production	#529.66 TIES LCY TR12 AR factor: Cat Hand ION 100 feet 1,718.9 LC	\$38.59	et		
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume: Swell factor: Loose volume: 6,327 Source of estimated volum: Source of estimated swell factor: HOURLY PRODUCTI Average push distance: Unadjusted hourly product: Materials consistency descriptions Average push gradient: Average site altitude:	#529.66 TIES LCY e: TR12 AR factor: Cat Hand ION 100 feet 1,718.9 LC ription: Wet, hi 0 % 6,500 feet	\$38.59	et		
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume: Swell factor: 1.000 Loose volume: 6,327 Source of estimated volumes Source of estimated swell for the swell factor: HOURLY PRODUCTI Average push distance: Unadjusted hourly product: Materials consistency descriptions Average push gradient: Average site altitude: Material weight:	#529.66 TIES LCY e: TR12 AR Cat Hand ION 100 feet 1,718.9 LC ription: Wet, hi 0 % 6,500 feet 3,375 lbs/LCY	\$38.59 24 Spreadshe	et		
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume: Swell factor: 1.000 Loose volume: 6,327 Source of estimated volum: Source of estimated swell for the swell factor: HOURLY PRODUCTI Average push distance: Unadjusted hourly product: Materials consistency description: Material weight: Weight description:	#529.66 TIES LCY e: TR12 AR factor: Cat Hand ION 100 feet 1,718.9 LC ription: Wet, hi 0 % 6,500 feet 3,375 lbs/LCY User Provided	\$38.59 24 Spreadshe	et		
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume: Swell factor: 1.000 Loose volume: 6,327 Source of estimated volumes Source of estimated swell for the swell factor: HOURLY PRODUCTI Average push distance: Unadjusted hourly product: Materials consistency description: Average site altitude: Material weight: Weight description: Job Condition Correction F	#529.66 TIES LCY e: TR12 AR factor: Cat Hand ION 100 feet 1,718.9 LC ription: Wet, hi 0 % 6,500 feet 3,375 lbs/LCY User Provided Factor	\$38.59	etee 0.8		
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume: Swell factor: 1.000 Loose volume: 6,327 Source of estimated volum: Source of estimated swell for the swell factor: HOURLY PRODUCTI Average push distance: Unadjusted hourly product: Materials consistency description: Material weight: Weight description:	#529.66 TIES LCY e: TR12 AR factor: Cat Hand ION 100 feet 1,718.9 LC ription: Wet, hi 0 % 6,500 feet 3,375 lbs/LCY User Provided Factor kill: 0.	\$38.59 24 Spreadshe	et		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.681	(CAT HB)
Blade type:	1.000	(PAT)

Adjusted unit production: 466.34 LCY/hr
Adjusted fleet production: 466.34 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$1.136/LCY

Total job time: 13.57 Hours
Total job cost: \$7,186

BULLDOZER RIPPING WORK

	Task description:	Sed Pond M201 Rd - Rippin	ıg		
Site:	Eagle-Gypsum Mine	Permit Action:	TR12	Permit/Job#	t: <u>M1984041</u>
	PROJECT IDENTIFI	<u>CATION</u>			
	Task #: A6003	State: Colorado		Abbreviation:	None
	Date: 1/15/2025	County: Eagle		Filename:	M041-A6003
	User: $\frac{10:25:00 \text{ AM}}{\text{ACY}}$	<u> </u>			
		ization name: DRMS			
	HOURLY EQUIPME				
				11	574
	Basic Machine: Ripper Attachment:	· · ·		Horsepower: Shift Basis: 1	per day
	rapper rataenment.	3 бишк тарры			(CRG)
	Cost Breakdown:				
		11. G	Ф257.20	Utilization %	
		ship Cost/Hour:ting Cost/Hour:	\$257.39 \$196.93	NA 100	
		ship Cost/Hour:	\$25.02	NA	
		ting Cost/Hour:	\$11.73	100	
	Oper	rator Cost/Hour:	\$38.59	NA	
	Total 1	Unit Cost/Hour:	\$529.66		
	Total F	Fleet Cost/Hour: \$52	9.66		
	MATERIAL QUANTI	TTIES Sel	ected estimating	method: Area	
	Alternate Methods:		C		
eismic:	NA	Bank Volume:	NA	BCY	NA
Area:	1.26 acre	D: D 1 (0)	1.00	Volume: 2,033	BCY or
	Source	of estimated quantity: TR12			
	HOURLY PRODUCT	ION			
	Seismic:				
	<u>Seisinie.</u>	Seismic Velocity:	NA	feet/second	
	Area:				
		Average Ripping Depth:	2.88	feet/pass	
		Average Ripping Width:	8.67	feet/pass	
	A	verage Ripping Length:	150.00	feet/pass	
		Average Dozer Speed:	88.00	feet/minute	
		verage Maneuver Time: Production per unit area:	0.25 0.916	minutes/pass acres/hour	
	Job Condition Correction		0.510	ucres/nour	
		Hourly Unit Production:	0.916	Acres/hr	
	Onadjusted	Site Altitude:	6,500	feet	
		Altitude Adj:	1.00	(CAT HB)	
		Job Efficiency:	0.83	(1 shift/day)	
		Net Correction:	0.83	multiplier	
	Ac	ljusted Hourly Unit Production:	0.76	Acres/hr	
		justed Hourly Fleet Production:		Acres/hr	
	JOB TIME AND COS	<u>T</u>			
	Fleet size: 1	Grader(s)	Total job tim	ne: 1.66	Hours
	Unit cost: \$696.2	292 Per acre	Total job cos	st: \$877	
	Ψ0/0.2	-, - 1 01 4010	1 5tur 100 co.	ΨΟΙΙ	

Task description:	Sed Pond M201 l	Rd - Topsoil	l Grade		
Eagle-Gypsum Mine	e Perr	mit Action:	TR12	Permit/Job#:	M1984041
PROJECT IDENTII	FICATION				
Task #: A6005	State:	Colorado		Abbreviation:	None
Date: 1/21/2025		Eagle		Filename:	M041-A6005
10:36:50	,	24610		1 11011011101	112011112000
User: ACY				-	
Agency or org	anization name: <u>DR</u>	RMS			
HOURLY EQUIPM	ENT COST				
Basic Machine: C	at D10T - 10SU				
	74				
	emi-Universal				
	-shank ripper		<u> </u>		
Shift Basis: 1	per day				
Data Source: (C	CRG)		<u> </u>		
Cost Breakdown:					
		ļ	Utilization %		
Ownership Cost/Hour:	, •	\$257.39	NA		
Operating Cost/Hour:		\$196.93	100		
Ripper own. Cost/Hour:		\$25.02	NA		
Ripper op. Cost/Hour:		\$11.73	100		
Operator Cost/Hour:		\$38.59	NA		
MATERIAL QUAN	<u> </u>				
Initial Volume: 1,0					
Swell factor: 1.0		_			
Loose volume:1,0	016 LCY	_			
Source of estimated vol	ume: TR 12 Mi	xed 50/50 to	psoil		
Source of estimated swe	ell factor: Cat Hand	book			
HOURLY PRODUC	<u>CTION</u>				
Average push distance:	100 feet				
Unadjusted hourly prod	uction: 1,718.9 LC	Y/hr			
Materials consistency de	escription: Partly of	consolidated	stockpile 1.1		
Average push gradient:	0 %				
Average push gradient: Average site altitude:	6,500 feet	<u> </u>			
Material weight:	2,500 lbs/LCY			<u> </u>	
Weight description:	User Provided				
Job Condition Correction Operator	r Skill: 0.	750	Source (AVG.)		
Material consis		100	(CAT HB)		
Dozing m	nethod:	000	(GEN.)	-	

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.600	(FND-SF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.920	(CAT HB)
Blade type:	1.000	(PAT)

Adjusted unit production: 649.74 LCY/hr
Adjusted fleet production: 649.74 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.815/LCY

Total job time: 1.56 Hours
Total job cost: \$828

Task description:	Sed I olid Moor	Sed Pond M601 Rd - Overburden Grade Pond 401, 501 & 601				
Eagle-Gypsum Mine	Per	mit Action: _	TR12	_ Permit/Job#:	M1984041	
PROJECT IDENTIF	ICATION					
Task #: A7002 Date: 1/21/2025 11:15:54 A User: ACY	State: County:	Colorado Eagle		Abbreviation: Filename:	None M041-A7002	
Agency or organ	nization name:DF	RMS				
HOURLY EQUIPME	ENT COST					
Horsepower: 574 Blade Type: Ser Attachment: 3-sl Shift Basis: 1 p Data Source: (CF Cost Breakdown: Ownership Cost/Hour:	t D10T - 10SU ini-Universal hank ripper er day RG)	\$257.39	Utilization % NA			
Operating Cost/Hour: Ripper own. Cost/Hour:		\$196.93 \$25.02	100 NA	<u></u> .		
Ripper op. Cost/Hour:		\$11.73	100			
Operator Cost/Hour:		\$38.59	NA			
MATERIAL QUANT Initial Volume: 3,05 Swell factor: 1.00 Loose volume: 3,05	1	 				
Source of estimated volumes Source of estimated swell		1 1				
		роок				
HOURLY PRODUCT	<u>ΓΙΟΝ</u>	DOOK				
HOURLY PRODUCT Average push distance: Unadjusted hourly product	100 feet					
Average push distance:	100 feet 1,718.9 LC		0.8			
Average push distance: Unadjusted hourly produc	100 feet 1,718.9 LC	Y/hr	0.8			
Average push distance: Unadjusted hourly product Materials consistency des Average push gradient:	100 feet 1,718.9 LC scription: Wet, hi 0 %	Y/hr	0.8			
Average push distance: Unadjusted hourly product Materials consistency des Average push gradient: Average site altitude:	100 feet 1,718.9 LC scription: Wet, hi 0 % 6,500 feet	Y/hr	0.8			
Average push distance: Unadjusted hourly product Materials consistency des Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction	100 feet 1,718.9 LC	Y/hr ghly cohesive	Source			
Average push distance: Unadjusted hourly product Materials consistency des Average push gradient: Average site altitude: Material weight: Weight description:	100 feet	Y/hr				

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.681	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.2713

Adjusted unit production: 466.34 LCY/hr
Adjusted fleet production: 932.68 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: \$1.136/LCY

Total job time: 3.27 Hours
Total job cost: \$3,465

BULLDOZER RIPPING WORK

	Task description:	Sed Pond M601 Rd - R	ipping		
Site:	Eagle-Gypsum Mine	Permit Act	tion: TR12	Permit/Job	#: <u>M1984041</u>
	PROJECT IDENTIFI	<u>CATION</u>			
	Task #: A7003	State: Colo	rado	Abbreviation:	None
	Date: 1/15/2025	County: Eagle		Filename:	
	User: $\frac{10:25:38 \text{ AM}}{\text{ACY}}$	<u> </u>			
		ization name: DRMS			
	HOURLY EQUIPME				
	Basic Machine:			Horsepower:	574
	Ripper Attachment				per day
	11			-	(CRG)
	Cost Breakdown:			l	
	Ouman	ship Cost/Hour:	\$257.39	Utilization % NA	
		ating Cost/Hour:	\$196.93	100	
		ship Cost/Hour:	\$25.02	NA	
		ating Cost/Hour:	\$11.73	100	
		rator Cost/Hour:	\$38.59	NA	
	Total	Unit Cost/Hour:	\$529.66		
	Total I	Fleet Cost/Hour:	\$1,059.31		
	MATERIAL QUANT	<u>ITIES</u>	Selected estimatin	g method: Area	
	Alternate Methods:				
Seismic:	NA	Bank Volu	me: NA	BCY	NA
Area:	6.30 acr	es Rip Depth ((ft): 1.00	Volume: 10,164	BCY or CCY
	Source	of estimated quantity:	TR12		
	HOURLY PRODUCT	<u>ION</u>			
	Seismic:				
		Seismic Velocity:	NA	feet/second	
	Area:				
		Average Ripping Depth:	2.88	feet/pass	
		Average Ripping Width:	8.67	feet/pass	
	A	Average Ripping Length:	150.00	feet/pass	
		Average Dozer Speed:	88.00	feet/minute	
		Average Maneuver Time: Production per unit area:	0.25 0.916	minutes/pass acres/hour	
	Job Condition Correction	-	0.910	acies/flour	
			0.016	A	
	Unadjusted	Hourly Unit Production:	0.916	Acres/hr	
		Site Altitude: Altitude Adj:	6,500 1.00	feet (CAT HB)	
		Job Efficiency:	0.83	(1 shift/day)	
		Net Correction:	0.83	multiplier	
	A	- djusted Hourly Unit Produc	etion: 0.76	Acres/hr	
		ljusted Hourly Fleet Produc		Acres/hr	
	JOB TIME AND COS	<u>'T</u>			
	Fleet size: 2	Grader(s)	Total job tii	me: 4.14	Hours
	Unit cost: \$696.2	292 Per acre	Total job co	ost: \$4,387	

BULLDOZER WORK

Task description:	Sed Pond M201	Rd - Topsoi	l Grade		
: Eagle-Gypsum Min	<u>ie</u> Per	mit Action:	TR12	Permit/Job#:	M1984041
PROJECT IDENTI	<u>IFICATION</u>				
Task #: A7005	State:	Colorado		Abbreviation:	None
Date: 1/21/202		Eagle		Filename:	M041-A7005
11:22:42	•	Bugie		i nename.	1410 11 11/003
User: ACY					
Agency or or	ganization name: DF	RMS			
HOURLY EQUIPM	MENT COST				
	Cat D10T - 10SU				
	574		<u> </u>		
	Semi-Universal				
	3-shank ripper				
Shift Basis: 1	per day				
Data Source:(CRG)				
Cost Breakdown:					
			Utilization %		
Ownership Cost/Hour	r:	\$257.39	NA		
Operating Cost/Hour		\$196.93	100		
Ripper own. Cost/Hour		\$25.02	NA		
Ripper op. Cost/Hour		\$11.73	100		
Operator Cost/Hour	r:	\$38.59	NA		
MATERIAL QUAN	<u> </u>				
	083				
	000	_			
Loose volume: 5,	083 LCY				
Source of estimated vo	lume: TR12				
Source of estimated sw	vell factor: Cat Hand	lbook			
HOURLY PRODU	CTION				
Average push distance Unadjusted hourly prod		Y/hr			
Materials consistency of	description: Partly	consolidated	stockpile 1.1		
Average push gradient	: 0 %				
Average site altitude:	6,500 feet				
Material weight:	2,500 lbs/LCY				
Weight description:	User Provided				
Job Condition Correcti Operato		.750	Source (AVG.)		
Material cons		.100	(CAT HB)		
Dozing 1		.000	(GEN.)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.600	(FND-SF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.920	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3780

Adjusted unit production: 649.74 LCY/hr
Adjusted fleet production: 1299.48 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: \$0.815/LCY

Total job time: 3.91 Hours
Total job cost: \$4,144

BULLDOZER WORK

Task description: Upper Pit Rd M	od - Overbu	rden Grade		
Eagle-Gypsum Mine Per	mit Action:	TR12	_ Permit/Job#:	M1984041
PROJECT IDENTIFICATION				
Task #: A8001 State: Date: 1/21/2025 County: 12:35:57 PM	Colorado Eagle		Abbreviation: _ Filename:	None M041-A8001
User: ACY			_	
Agency or organization name: DI	RMS			
HOURLY EQUIPMENT COST				
Basic Machine: Cat D10T - 10SU		<u></u>		
Horsepower: 574				
Blade Type: Semi-Universal				
Attachment: 3-shank ripper		<u> </u>		
Shift Basis: 1 per day Data Source: (CRG)		<u> </u>		
		<u> </u>		
<u>Cost Breakdown</u> :		Utilization 0/		
Overnanskin Cost/Hover	\$257.39	<u>Utilization %</u> NA		
Ownership Cost/Hour: Operating Cost/Hour:	\$196.93	100		
Ripper own. Cost/Hour:	\$190.93	NA		
Ripper own. Cost/Hour:	\$11.73	100		
	Ψ11.73	100	<u></u>	
Operator Cost/Hour: Total unit Cost/Hour: \$529.66 Total Fleet Cost/Hour: \$2,118.62	\$38.59	NA		
Total unit Cost/Hour: \$529.66 Total Fleet Cost/Hour: \$2,118.62 MATERIAL QUANTITIES Initial Volume: 118,400	\$38.59	NA		
Total unit Cost/Hour: \$529.66 Total Fleet Cost/Hour: \$2,118.62 MATERIAL QUANTITIES	\$38.59	NA		
Total unit Cost/Hour: \$529.66 Total Fleet Cost/Hour: \$2,118.62 MATERIAL QUANTITIES Initial Volume: \$118,400 Swell factor: \$1.000 Loose volume: \$118,400 LCY Source of estimated volume: TR12		NA		
Total unit Cost/Hour: \$529.66 Total Fleet Cost/Hour: \$2,118.62 MATERIAL QUANTITIES Initial Volume: 118,400 Swell factor: 1.000 Loose volume: 118,400 LCY		NA NA		
Total unit Cost/Hour: \$529.66 Total Fleet Cost/Hour: \$2,118.62 MATERIAL QUANTITIES Initial Volume: \$118,400 Swell factor: \$1.000 Loose volume: \$118,400 LCY Source of estimated volume: TR12		NA		
Total unit Cost/Hour: \$529.66 Total Fleet Cost/Hour: \$2,118.62 MATERIAL QUANTITIES Initial Volume: 118,400 Swell factor: 1.000 Loose volume: 118,400 LCY Source of estimated volume: TR12 Source of estimated swell factor: Cat Hand	lbook	NA NA		
Total unit Cost/Hour: \$529.66 Total Fleet Cost/Hour: \$2,118.62 MATERIAL QUANTITIES Initial Volume: 118,400 Swell factor: 1.000 Loose volume: 118,400 LCY Source of estimated volume: TR12 Source of estimated swell factor: Cat Hand HOURLY PRODUCTION Average push distance: 100 feet Unadjusted hourly production: 1,718.9 LC	lbook			
Total unit Cost/Hour: \$529.66 Total Fleet Cost/Hour: \$2,118.62 MATERIAL QUANTITIES Initial Volume: 118,400 Swell factor: 1.000 Loose volume: 118,400 LCY Source of estimated volume: TR12 Source of estimated swell factor: Cat Hance HOURLY PRODUCTION Average push distance: 100 feet Unadjusted hourly production: 1,718.9 LC Materials consistency description: Dry, not appear to the second	lbook 'Y/hr			
Total unit Cost/Hour: \$529.66 Total Fleet Cost/Hour: \$2,118.62 MATERIAL QUANTITIES Initial Volume: \$118,400 Swell factor: \$1.000 Loose volume: \$118,400 LCY Source of estimated volume: TR12 Source of estimated swell factor: Cat Hand HOURLY PRODUCTION Average push distance: \$100 feet 1,718.9 LC Materials consistency description: Dry, no	lbook 'Y/hr			
Total unit Cost/Hour: \$529.66 Total Fleet Cost/Hour: \$2,118.62 MATERIAL QUANTITIES Initial Volume: 118,400 Swell factor: 1.000 Loose volume: 118,400 LCY Source of estimated volume: TR12 Source of estimated swell factor: Cat Hance HOURLY PRODUCTION Average push distance: 100 feet Unadjusted hourly production: 1,718.9 LC Materials consistency description: Dry, not appear to the second	lbook 'Y/hr			
Total unit Cost/Hour: \$529.66 Total Fleet Cost/Hour: \$2,118.62 MATERIAL QUANTITIES Initial Volume: 118,400 Swell factor: 1.000 Loose volume: 118,400 LCY Source of estimated volume: TR12 Source of estimated swell factor: Cat Hand HOURLY PRODUCTION Average push distance: 100 feet Unadjusted hourly production: 1,718.9 LC Materials consistency description: Dry, not always and a second seco	lbook 'Y/hr			
Total unit Cost/Hour: \$529.66 \$2,118.62	lbook Y/hr on-cohesive (0.8 Source		
Total unit Cost/Hour: \$529.66 Total Fleet Cost/Hour: \$2,118.62 MATERIAL QUANTITIES Initial Volume: 118,400 Swell factor: 1.000 Loose volume: 118,400 LCY Source of estimated volume: TR12 Source of estimated swell factor: Cat Hand HOURLY PRODUCTION Average push distance: 100 feet Unadjusted hourly production: 1,718.9 LC Materials consistency description: Dry, not all the provided of the pr	lbook 'Y/hr	0.8		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.681	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.2713

Adjusted unit production: 466.34 LCY/hr
Adjusted fleet production: 1865.36 LCY/hr

JOB TIME AND COST

Fleet size: 4 Dozer(s)
Unit cost: \$1.136/LCY

Total job time: 63.47 Hours
Total job cost: \$134,475

BULLDOZER RIPPING WORK

	Task description:	Upper Pit Rd Mo	d - Ripping					
Site:	Eagle-Gypsum Mine	Perr	nit Action:	TR12	P	ermit/Job#	: <u>M19840</u>)41
	PROJECT IDENTIFICATION							
	Task #: A8002	State:	Colorado		Abb	reviation:	None	
	Date: 1/15/2025 10:26:15	•	Eagle			Filename:	M041-A	8002
	User: ACY	anization name: DR	MS					
			TMO					
	HOURLY EQUIPM	<u> </u>			**		57.4	
	Basic Machir		U		Horsepower:		574	
	Ripper Attachme	nt: 3-Shank Ripper			Shift Basis: Data Source:		per day CRG)	
	Cost Breakdown:						,	
					Utilization %			
		ership Cost/Hour:		\$257.39	NA	=		
				\$196.93	100	-		
					NA 100	_		
		erating Cost/Hour: perator Cost/Hour:		\$11.73 \$38.59	100	=		
	-	al Unit Cost/Hour:		\$58.39	NA	_		
	Tota	l Fleet Cost/Hour:	\$1,05	39 31				
	MATERIAL QUAN							
		1111ES	Sele	ected estimating	g method: Area	a		
	Alternate Methods:	-						
ismic:	NA NA		Volume:	NA 1.00	BCY _	14.026	NA	DOV CC
Area:	8.70 a	cres Rip I	Depth (ft): _	1.00	Volume:	14,036		BCY or CC
	Source	ce of estimated quantity	y: <u>TR12</u>					
	HOURLY PRODUC	<u>CTION</u>						
	Seismic:							
		Seismic Velo	city:	NA	feet/sec	ond		
	Area:							
	Alca.	Average Ripping De	enth:	2.88	feet/pas	SS		
		Average Ripping Wi		8.67	feet/pas			
		Average Ripping Len		150.00	feet/pas			
		Average Dozer Sp	eed:	88.00	feet/mii	nute		
		Average Maneuver T	ime:	0.25	minutes	s/pass		
		Production per unit a	area:	0.916	acres/ho	our		
	Job Condition Correction	n Factors						
	Unadjuste	ed Hourly Unit Product	tion:	0.916	Acres/h	ır		
			ude:		feet			
			Adj:	1.00	(CAT H			
			ncy:		(1 shift/	•		
		Net Correct	tion:	0.83	multipli	ier		
		Adjusted Hourly Unit Adjusted Hourly Fleet		0.76 1.52	Acres/hr Acres/hr			
	JOB TIME AND CO		i roduciioii.	1.34	ACICS/III			
		2 Grader(s)		Total job tim	ne:	5.72	U.	ours
				· ·			по	ru15
	Unit cost: \$69	6.292 Per acre		Total job co	st: \$	6,058		

BULLDOZER WORK

Task description:	Upper P	it Rd Mo	od - Topsoil	Grade			
Eagle-Gypsum Mir	ne	Peri	mit Action:	TR12		_ Permit/Job#:	M1984041
PROJECT IDENT	<u>IFICATION</u>						
Task #: A8004 Date: 1/21/202 12:38:38 User: ACY	25 (State: County:	Colorado Eagle			Abbreviation: Filename:	None M041-A8004
Agency or or	ganization nam	ne: DF	RMS				
HOURLY EQUIPN	MENT COST						
Horsepower: Slade Type: State Attachment: Shift Basis:	sr:		\$257.39 \$196.93 \$25.02 \$11.73 \$38.59	<u>Ut</u>	ilization % NA 100 NA 100 NA		
Swell factor: 1.	,018 .000 , 018 LCY	ΓR12	_				
Source of estimated sv	vell factor:	Cat Hand	book				
Average push distance Unadjusted hourly pro	: 100	0 feet 18.9 LC	Y/hr				
Materials consistency	description:	Partly o	consolidated	stockpile 1	1.1		
Average push gradient Average site altitude:	0 % 6,500 feet	t .					
Material weight:	2,500 lbs/	LCY				<u> </u>	
Weight description:	User Prov	ided					
	or Skill:		750 100		Source (AVG.) (CAT HB)		
Material cons Dozing	method:		000		(GEN.)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.600	(FND-SF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.920	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3780

Adjusted unit production: 649.74 LCY/hr
Adjusted fleet production: 1299.48 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: \$0.815/LCY

Total job time: 5.40 Hours
Total job cost: \$5,721

Та	ask description: Stoc	kpile Staging	Area -	Reveg				
_	Eagle-Gypsum Mine	Peri	mit Acti	ion: TR12	2		Permit/Job#	: <u>M1984041</u>
R	ROJECT IDENTIFICATION	ON						
	Task #: B1000	State:	Colora	ndo.		۸Ы	oreviation:	None
	Date: $\frac{115/2025}{1}$	County:	Eagle	ido				M041-B1000
	10:46:12 AM	_					_	
	User: ACY							
	Agency or organization	name: DR	MS					
1								
	<u>CRTILIZING</u>							
1a	nterials			Units /				
	Description			Acre	Unit	Cost	t / Unit	Cost /Acre
	•					<u></u>		¢
						\$		\$
						Tota	al Fertilizer	
							Materials Cost/Acre	\$0.00
	Description							Cost /Acre
	•							\$
								Ψ
				Total	Fertilizer	· Applicatio	n Cost/Acre	\$0.00
<u> </u>	<u>LLING</u>							
	Description							Cost /Acre
	Chisel plowing {DMG}							\$102.41
	Disc harrowing, 6" deep (ME.	ANS 32 91 13	.23 610	0)				\$117.61
						Total Tillin	g Cost/Acre	\$220.02
E	EEDING							
	Seed Mix					Rate – PLS	Seeds per SQ.	Cost /Acre

Application

Indian Ricegrass - Paloma Bottlebrush Squirreltail \$51.33

\$35.57

\$

\$

2.50

1.40

Totals Seed Mix

8.09

6.17

Description		Cost /Acre
		\$
	Total Seed Application Cost/Acre	\$

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - Curtail @ 4.0 pt/ac	1.00	ACRE	\$36.14	\$36.14
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$492.78	\$985.56
Total Mulch Materials Cost/Acre				\$1,021.70

Application

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

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:
 4.93
 Cost /Acre:
 \$3,177.05

 Estimated Failure Rate:
 30%
 Cost /Acre*:
 \$3,177.05

*Selected Replanting Work Items: <u>TILLING,SEEDING,MULCHING</u>

Initial Job Cost: \$15,662.86

Reseeding Job Cost: \$4,698.86

Total Job Cost: \$20,362

Job Hours: 6.40

Eagle-C	Gypsum Mine	Permi	t Action: TR12	2		Permit/Job	o#: <u>M1984041</u>
PROJECT	T IDENTIFICAT	ION					
Task #: Date:	: B2000	State: County: E				oreviation: Filename:	None M041-B2000
User:	: ACY					•	
A	gency or organizatio	n name: DRM	S				
FERTILIZ	ZING						
Materials							
Descrip	otion		Units / Acre	Unit	Cost	t / Unit	Cost /Acre
					\$		\$
					Tota	al Fertilizer Materials Cost/Acre	S .
Application Descrip							Cost /Acre
							\$
			Total	Fertilizer	Application	n Cost/Acre	\$0.00
<u> FILLING</u>	<u>t</u>						
Descrip	otion						Cost /Acre
							\$
				7	Γotal Tilling	g Cost/Acre	\$
SEEDING	<u> </u>						
Sood M	·•				Rate –	Soods	Cost /A oro

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Paloma	2.50	8.09	\$51.33
Bottlebrush Squirreltail	1.40	6.17	\$35.57
Sandberg Bluegrass - VNS	0.40	8.49	\$5.78
Thickspike Wheatgrass - Critana	2.50	8.84	\$20.37
Muttongrass	0.30	6.20	\$14.30
Rabbitbrush, Rubber	0.25	3.72	\$20.85
Winter Fat	1.50	3.82	\$70.09
Bluebunch Wheatgrass - Goldar	2.80	9.00	\$32.09

Totals Seed M	ix 11.65	54.34	\$250.37
Amplication			

Application

Description	Cost /Acre
Hydro seeding (MEANS 32 92 19.14 0200)	\$1,359.07
Total Seed Application Cost/Acre	\$1,359.07

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - Curtail @ 4.0 pt/ac	1.00	ACRE	\$36.14	\$36.14
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$492.78	\$985.56
Total Mulch Materials Cost/Acre				\$1,021.70

Application

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

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:
 52.81
 Cost /Acre:
 \$3,177.05

 Estimated Failure Rate:
 30%
 Cost /Acre*:
 \$3,177.05

*Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: \$167,780.01

Reseeding Job Cost: \$50,334.00

Total Job Cost: \$218,114

68.65

7	Γask description:	Upper Pit - Reveg			,
Site:	Eagle-Gypsum Mine	Permit Action:	TR12	Permit/Job#:	M1984041

PROJECT IDENTIFICATION

Task #: B3000 State: Colorado Abbreviation: None Date: 1/15/2025 County: Eagle Filename: M041-B3000

10:49:21 AM

User: ACY Agency or organization name: DRMS

FERTILIZING

Materials

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

Application

Description	Cost /Acre
	\$
Total Fartilizar Application Cost/Agra	40.00
Total Fertilizer Application Cost/Acre	\$0.00

TILLING

Description	Cost /Acre
Chisel plowing {DMG}	\$102.41
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$220.02

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Paloma	2.50	8.09	\$51.33
Bottlebrush Squirreltail	1.40	6.17	\$35.57
Sandberg Bluegrass - VNS	0.40	8.49	\$5.78
Thickspike Wheatgrass - Critana	2.50	8.84	\$20.37
Muttongrass	0.30	6.20	\$14.30
Rabbitbrush, Rubber	0.25	3.72	\$20.85
Winter Fat	1.50	3.82	\$70.09
Bluebunch Wheatgrass - Goldar	2.80	9.00	\$32.09

Totals Seed Mix	11.65	54.34	\$250.37
Application			

Description	Cost /Acre
Hydro seeding (MEANS 32 92 19.14 0200)	\$1,359.07
Total Seed Application Cost/Acre	\$1,359.07

MULCHING and MISCELLANEOUS

Materials

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

Application

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

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
		Totals 2	Nursery Stoc	k Cost / Acre	\$0.00

JOB TIME AND COST

No. of Acres: 28.54 Cost /Acre: \$3,177.05 Estimated Failure Rate: 30% Cost /Acre*: \$3,177.05

*Selected Replanting Work Items: TILLING, SEEDING, MULCHING

Initial Job Cost: **\$90,673.01** Reseeding Job Cost: \$27,201.90 Total Job Cost: \$117,875

Job Hours: 37.12

Eagle-Gypsum Mine	Permi	t Action: TR1	2		Permit/Job#	#: <u>M1984041</u>
ROJECT IDENTIFICAT	CION					
Task #: B4000 Date: 1/15/2025 10:50:54 AM User: ACY	_	Colorado Cagle		Ab		None M041-B4000
Agency or organization	on name: <u>DRM</u>	S				
ERTILIZING						
 Laterials						
Description		Units / Acre	Unit	Cos	st / Unit	Cost /Acre
				\$		\$
				Tot	tal Fertilizer Materials Cost/Acre	\$0.00
pplication						
pplication Description						Cost /Acre
			l Fertilizer	Applicatio	on Cost/Acre	Cost /Acre
			l Fertilizer	Applicatio	on Cost/Acre	\$
Description			l Fertilizer	Applicatio	on Cost/Acre	\$
Description ILLING			l Fertilizer	Applicatio	on Cost/Acre	\$0.00
Description ILLING					on Cost/Acre	\$ \$0.00 Cost /Acre
Description ILLING						\$ \$0.00 Cost /Acre
Description ILLING Description				Cotal Tilling Rate – PLS LBS /		\$ \$0.00 Cost /Acre
Description ILLING Description EEDING				Cotal Tillin	seeds per SQ.	\$ \$0.00 Cost /Acre \$
Description ILLING Description EEDING Seed Mix				Rate – PLS LBS / Acre	Seeds per SQ. FT	\$ \$0.00 Cost /Acre \$ \$ Cost /Acre

Cost /Acre

Description	
	\$
Total Seed Application Cost/Acre	\$

MULCHING and MISCELLANEOUS

Materials

Reveg Worksheet Cont'd

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - Curtail @ 4.0 pt/ac	1.00	ACRE	\$36.14	\$36.14
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$492.78	\$985.56
Total Mulch Materials Cost/Acre				\$1,021.70

Application

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

NURSERY STOCK PLANTING

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

JOB TIME AND COST

 No. of Acres:
 17.97
 Cost /Acre:
 \$3,177.05

 Estimated Failure Rate:
 30%
 Cost /Acre*:
 \$3,177.05

*Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: \$57,091.59

Reseeding Job Cost: \$17,127.48

Total Job Cost: \$74,219

23.36

Task description:	Lower Pit Rd - I	Reveg			
e: Eagle-Gypsum Min	ne Per	rmit Action: TR12	2	Permit/Job	#: <u>M1984041</u>
PROJECT IDENTII	FICATION .				
Task #:B5000					
Date: 1/15/202 10:52:26	•	Eagle		Filename:	M041-B5000
User: ACY	Alvi			_	
Agency or org	anization name: DF	RMS			
FERTILIZING					
Materials					
		Units /	TT94	Cost / Unit	Cost /Acre
Description		Acre	Unit		
				\$	\$
				Total Fertilizer Materials	
				Cost/Acre	\$0.00
TILLING		Total	Fertilizer Appl	ication Cost/Acre	\$0.00
TILLING					
Description	(0)				Cost /Acre
Chisel plowing {DM Disc harrowing, 6" d	leep (MEANS 32 91 1:	3.23 6100)			\$102.41 \$117.61
<u> </u>		,			
			Total	Tilling Cost/Acre	\$220.02
<u>SEEDING</u>					
Seed Mix			Rat PLS LBS Acr	Seeds per SQ.	Cost /Acre
Indian Ricegrass - Pa	aloma		2.50		\$51.33
					\$
		Totals S	Seed Mix		\$
Application			I.	'	1 - 1

Description		Cost /Acre
		\$
	Total Seed Application Cost/Acre	\$

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - Curtail @ 4.0 pt/ac	1.00	ACRE	\$36.14	\$36.14
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$492.78	\$985.56
Total Mulch Materials Cost/Acre				\$1,021.70

Application

Description	Cost /Acre
	\$
Total Mulch Application Co	ost/Acre §

NURSERY STOCK PLANTING

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

JOB TIME AND COST

 No. of Acres:
 15.43
 Cost /Acre:
 \$3,177.05

 Estimated Failure Rate:
 30%
 Cost /Acre*:
 \$3,177.05

*Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: \$49,021.88

Reseeding Job Cost: \$14,706.56

Total Job Cost: Job Hours: \$20.05

Task descrip	otion:	Sed Pond M201	Rd - Reveg			
Eagle-Gy	psum Mine	Pe	rmit Action:	TR12	Permit/Job	o#: <u>M1984041</u>
PROJECT	<u>IDENTIFIC</u>	<u>ATION</u>				
Task #:	B6000	State:	Colorado		Abbreviation:	None
Date:	1/15/2025	County:	Eagle		Filename:	M041-B6000
	10:54:02 AM	I				
	ACY					

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
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)		\$117.61
	Total Tilling Cost/Acre	\$220.02

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Paloma	2.50	8.09	\$51.33
Bottlebrush Squirreltail	1.40	6.17	\$35.57
Sandberg Bluegrass - VNS	0.40	8.49	\$5.78
Thickspike Wheatgrass - Critana	2.50	8.84	\$20.37
Muttongrass	0.30	6.20	\$14.30
Rabbitbrush, Rubber	0.25	3.72	\$20.85
Winter Fat	1.50	3.82	\$70.09
Bluebunch Wheatgrass - Goldar	2.80	9.00	\$32.09

Totals Seed Mix 11.65 54.34 \$250

Application

Description		Cost /Acre
Hydro seeding (MEANS 32 92 19.14 0200)		\$1,359.07
	Total Seed Application Cost/Acre	\$1,359.07

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - Curtail @ 4.0 pt/ac	1.00	ACRE	\$36.14	\$36.14
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$492.78	\$985.56
Total Mulch Materials Cost/Acre				\$1,021.70

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$85.37
Power mulcher (MEANS 32 91 13.16 0350)		\$157.25
Weed spray, truck, non-aquatic area, nox. [DMG]		\$83.26
	Total Mulch Application Cost/Acre	\$325.89

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: 1.26

Cost /Acre: \$3,177.05 Cost /Acre*: \$3,177.05 Estimated Failure Rate: 30%

*Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: \$4,003.08
Reseeding Job Cost: \$1,200.92 Total Job Cost: **\$5,204**

Job Hours: **1.63**

Task description:	Sed Pond M60	l Rd - Reveg			
Eagle-Gypsum	Mine P	ermit Action: TR1	2	Permit/Job	#: <u>M1984041</u>
PROJECT IDEN	<u>TIFICATION</u>				
Task #: B700	OO State:	Colorado		Abbreviation:	None
Date: 1/15	/2025 County:	Eagle		Filename:	M041-B7000
10:5	5:38 AM			_	
User: ACY	7				
Agency or	organization name:D	PRMS			
<u> Aaterials</u>					
Description		Units / Acre	Unit	Cost / Unit	Cost /Acre

Application

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

\$

Total Fertilizer Materials Cost/Acre

\$0.00

TILLING

Description	Cost /Acre
Chisel plowing {DMG}	\$102.41
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$220.02

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Paloma	2.50	8.09	\$51.33
Bottlebrush Squirreltail	1.40	6.17	\$35.57
Sandberg Bluegrass - VNS	0.40	8.49	\$5.78
Thickspike Wheatgrass - Critana	2.50	8.84	\$20.37
Muttongrass	0.30	6.20	\$14.30
Rabbitbrush, Rubber	0.25	3.72	\$20.85
Winter Fat	1.50	3.82	\$70.09
Bluebunch Wheatgrass - Goldar	2.80	9.00	\$32.09

Totals Seed Mix	11.65	54.34	\$250.37
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Application

Description		Cost /Acre
Hydro seeding (MEANS 32 92 19.14 0200)		\$1,359.07
	Total Seed Application Cost/Acre	\$1,359.07

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - Curtail @ 4.0 pt/ac	1.00	ACRE	\$36.14	\$36.14
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$492.78	\$985.56
Total Mulch Materials Cost/Acre				\$1,021.70

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$85.37
Power mulcher (MEANS 32 91 13.16 0350)		\$157.25
Weed spray, truck, non-aquatic area, nox. [DMG]		\$83.26
	Total Mulch Application Cost/Acre	\$325.89

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: 6.3

Cost /Acre: \$3,177.05 Cost /Acre*: \$3,177.05 Estimated Failure Rate: 30%

*Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: \$20,015.42 Reseeding Job Cost: \$6,004.62 Total Job Cost: **\$26,020** Job Hours: **8.19**

Task descrip	otion:	Upper Pit Rd Me	od - Reveg				
Site: <u>Eagle-Gy</u>	psum Mine	Per	mit Action:	TR12	Permit/Job	o#: <u>M1984041</u>	
PROJECT	<u>IDENTIFIC</u>	ATION					
Task #:	B8000	State:	Colorado		Abbreviation:	None	
Date:	1/15/2025 10:56:51 AN	County:	Eagle		Filename:	M041-B8000	
User:	ACY						
Age	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
Chisel plowing {DMG}		\$102.41
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)		\$117.61
	Total Tilling Cost/Acre	\$220.02

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Paloma	2.50	8.09	\$51.33
Bottlebrush Squirreltail	1.40	6.17	\$35.57
Sandberg Bluegrass - VNS	0.40	8.49	\$5.78
Thickspike Wheatgrass - Critana	2.50	8.84	\$20.37
Muttongrass	0.30	6.20	\$14.30
Rabbitbrush, Rubber	0.25	3.72	\$20.85
Winter Fat	1.50	3.82	\$70.09
Bluebunch Wheatgrass - Goldar	2.80	9.00	\$32.09

		Totals Seed Mix	11.65	54.34	\$250.37
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Application

Description		Cost /Acre
Hydro seeding (MEANS 32 92 19.14 0200)		\$1,359.07
	Total Seed Application Cost/Acre	\$1,359.07

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - Curtail @ 4.0 pt/ac	1.00	ACRE	\$36.14	\$36.14
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$492.78	\$985.56
Total Mulch Materials Cost/Acre				\$1,021.70

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$85.37
Power mulcher (MEANS 32 91 13.16 0350)		\$157.25
Weed spray, truck, non-aquatic area, nox. [DMG]		\$83.26
	Total Mulch Application Cost/Acre	\$325.89

NURSERY STOCK PLANTING

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

JOB TIME AND COST

No. of Acres: 8.7

Cost /Acre: \$3,177.05 Cost /Acre*: \$3,177.05 Estimated Failure Rate: 30%

*Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: \$27,640.34
Reseeding Job Cost: \$8,292.10 Total Job Cost: **\$35,932** Job Hours: **11.31**

DEMOLITION WORK

	Task description:	Demo 1					
Site:	Eagle-Gypsum Mine		Permit Action:	TR12	Permit/J	Job#: <u>M1984041</u>	
PROJE	ECT IDENTIFICATIO	<u>N</u>					
Task #	e: C2000	State:	Colorado		Abbreviation:	None	
Date	e: 1/15/2025	County:	Eagle		Filename:	M041-C2000	
	12:41:01 PM				<u></u>		
Usei	:: ACY						
	Agency or organiza	ation name:	DRMS				

<u>UNIT COSTS</u> <u>Location adjustment: 102.20 %</u>

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Used Oil Tank	1000 gal	Haul tank to certified salvage dump - 3,000 to 5,000 gal. tank	1.00	EA	\$760.00	\$760.00
Used Oil Tank - Demo Cinder Blocks	4x11.5	Wall, block, demolition only, 8 in. thick - No reinforcing	46.00	SF	\$0.99	\$45.54
Used Oil Tank - Haul foundation	4x11.5	Loading and 2 mile haul, no salvage - Machine loading	1.00	CY	\$21.15	\$21.15
Flammable Cabinet - Haul	4x10.5	Loading and 2 mile haul, no salvage - Machine loading	16.00	CY	\$21.15	\$338.40
Clear Diesel Tank	4000 gal	Haul tank to certified salvage dump - 3,000 to 5,000 gal. tank	1.00	EA	\$760.00	\$760.00
Dyed Deisel Tank	10000 gal	Haul tank to certified salvage dump - 9,000 to 12,000 gal. tank	1.00	EA	\$1,050.00	\$1,050.00
Generator - Haul	4x11	Loading and 2 mile haul, no salvage - Machine loading	13.00	CY	\$21.15	\$274.95
Main Breaker Box - Haul	4.5x11	Loading and 2 mile haul, no salvage - Machine loading	13.00	CY	\$21.15	\$274.95
Parts Storage 1 - Bldg	13x33x10	Bldg. (SN) demo./off- site disposal in approved landfill - Max. 30 mile haul	4,290.00	CF	\$0.53	\$2,291.29
Parts Storage 1 - Demo Cinder Blocks	13x33	Wall, block, demolition only, 8 in. thick - No reinforcing	429.00	SF	\$0.99	\$424.71
Parts Storage 1 - Haul Foundation	13x33	Loading and 2 mile haul, no salvage - Machine loading	16.00	CY	\$21.15	\$338.40
Parts Storage 1 (Outer)	11x15.5	Floor, concrete, demolition only, average reinforcing - 6 in. thick	171.00	SF	\$1.10	\$188.54
Parts Storage 1 (Outer) - Haul Foundation	11x15.5	Loading and 2 mile haul, no salvage - Machine loading	3.00	CY	\$21.15	\$63.45
Maintenance Shop	42x44x20	Bldg. (SN) demo./off- site disposal in approved landfill - Max. 30 mile	42,504.00	CF	\$0.53	\$22,701.39

Demo Worksheet Cont'd Task # TTT Page 2 of 2

		haul				
Maintenance Shop - Floor	42x44	Floor, concrete, demolition only, average reinforcing - 12 in. thick	1,848.00	SF	\$2.21	\$4,075.21
Maintenance Shop - haul foundation	42x44	Loading and 2 mile haul, no salvage - Machine loading	34.00	CY	\$21.15	\$719.10
Parts Storage 2	9x42x12	Bldg. (SN) demo./off- site disposal in approved landfill - Max. 30 mile haul	5,103.00	CF	\$0.53	\$2,725.51
Parts Storage 3	11.2x13	Bldg. (SN) demo./off- site disposal in approved landfill - Max. 30 mile haul	1,456.00	CF	\$0.53	\$777.65
Main Office	14.5x56.5	Bldg. (SN) demo./off- site disposal in approved landfill - Max. 30 mile haul	9,831.00	CF	\$0.53	\$5,250.74
Main Office - Cinder Blocks	14.5x56.5	Wall, block, demolition only, 8 in. thick - No reinforcing	614.00	SF	\$0.99	\$607.86
Main Office - Haul Foundation	14.5x56.5	Loading and 2 mile haul, no salvage - Machine loading	23.00	CY	\$21.15	\$486.45
Propane Tanks	200 gal	Loading and 2 mile haul, no salvage - Machine loading	1.00	CY	\$21.15	\$21.15
Block Heater Breaker Box	4.5x7.5	Bldg. (SN) demo./off- site disposal in approved landfill - Max. 30 mile haul	270.00	CF	\$0.53	\$144.21
Block Heater Breaker - Floor	4.5x7.5	Floor, concrete, demolition only, average reinforcing - 6 in. thick	34.00	SF	\$1.10	\$37.49
Truck Shed- Canopy	12x30x12	Bldg. (SN) demo./off- site disposal in approved landfill - Max. 30 mile haul	4,320.00	CF	\$0.53	\$2,307.31
Truck Shed- Foundation	12x16	Floor, concrete, demolition only, average reinforcing - 6 in. thick	192.00	SF	\$1.10	\$211.70
*Additional Hualage	28 Mi for 325 CY	Hauling only, per mile, 12-18 CY truck - 50 mph average speed	505.00	MI	\$4.43	\$2,238.92
* Dump Fees	325 CY	Dump fees - Building construction materials.	325.00	CY	\$11.10	\$3,607.50

				Total Cost	
		Subtotal		(adjusted for	
Job Hours:	67.80	(unadjusted):	\$52,743.57	location):	\$53,903.93

DEMOLITION WORK

	Task description:	Demo 2					
Site:	Eagle-Gypsum Mine		Permit Action:	TR12	Permit/.	Job#: M1984041	
PROJE	CT IDENTIFICATIO	<u>N</u>					
Task #	: C4000	State:	Colorado		Abbreviation:	None	
Date	: 6/26/2024	County:	Eagle		Filename:	M041-C4000	
User	: ACY						
	Agency or organiza	tion name: _	DRMS				

UNIT COSTS

Location adjustment: 86.90 %

Structure or Item Description Dimensions		Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
North Fence	4'H x 1365LF	Fencing, barbed wire, - 5 strand	1,365.00	LF	\$2.80	\$3,822.00
Mine sign / Gate	-	USER PROVIDED ITEM	1.00	EA	\$1,250.00	\$1,250.00
Culvert 1	60" x 320 LF	USER PROVIDED ITEM	1.00	EA	\$7,968.00	\$7,968.00
Culvert 2	36" x 323 LF	USER PROVIDED ITEM	1.00	EA	\$8,042.70	\$8,042.70
Culvert 3	24" x 142 LF	USER PROVIDED ITEM	1.00	EA	\$3,535.80	\$3,535.80
Culvert 4	60" x 440 LF	USER PROVIDED ITEM	1.00	EA	\$10,956.00	\$10,956.00
Culvert 5	36" x 284 LF	USER PROVIDED ITEM	1.00	EA	\$7,071.60	\$7,071.60
Culvert 6	36" x 252 LF	USER PROVIDED ITEM	1.00	EA	\$6,274.80	\$6,274.80
Culvert 7	36" x 143 LF	USER PROVIDED ITEM	1.00	EA	\$3,560.70	\$3,560.70
Culvert 28	36" x 260 LF	USER PROVIDED ITEM	1.00	EA	\$6,474.00	\$6,474.00

				1 otai Cost	
		Subtotal		(adjusted for	
Job Hours:	275.99	(unadjusted):	\$58,955.60	location):	\$51,232.42

SITE MAINTENANCE

	Task description:	Full Time F	Road Maintenan	ice		
Site:	Eagle-Gypsum Mine		Permit Action:	TR12	Permit/.	Job#: <u>M1984041</u>
PROJE	ECT IDENTIFICATIO	<u> </u>				
Task #	t: F1004	State:	Colorado		Abbreviation:	None
Date	:: 1/15/2025 11:30:18 AM	County:	Eagle		Filename:	M041-F1004
User	:: ACY					
	Agency or organiz	ation name:	DRMS			

UNIT COSTS

Maintenance Item	Hours per Year	Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Grader	1000.00	CAT 16M	1,000.00	EA	\$326.79	\$326,790.00
Water Truck	1000.00	Water Tanker, 3,500	1,000.00	EA	\$75.02	\$75,020.00
		Gal.				

Job Hours: 2,000.00 Total Cost: \$401,810.00

BOREHOLE SEALING WORK

	Task description:	Plug Drill H	loles			
Site:	Eagle-Gypsum Mine		Permit Action:	TR12	Permit/J	ob#: <u>M1984041</u>
PROJE	CCT IDENTIFICATIO	<u>N</u>				
Task #	: _E1001	State:	Colorado		Abbreviation:	None
Date	: 1/15/2025 11:27:11 AM	County:	Eagle		Filename:	M041-E1001
User						
	Agency or organiza	ation name:	DRMS			

UNIT COSTS

Borehole Description	Sealing/Item Method	Diameter	Length	Quantity	Unit	Unit Cost	Total Cost
Exploratory Holes x 20	Portland cement grout - 8 in. (labor, equip,	3-8	200	4,000.00	LF	\$10.60	\$42,410.80
	materials)						

Job Hours: 40.00 Total Cost: \$42,411.00

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: Initial Mobilization

Site: Eagle-Gypsum Mine Permit Action: TR12 Permit/Job#: M1984041

PROJECT IDENTIFICATION

Task #: F1001 State: Colorado Abbreviation: None

Date: 1/15/2025 County: Eagle Filename: M041-F1001

User: 12:01:19 PM ACY

Agency or organization name: DRMS

EQUIPMENT TRANSPORT RIG COST

Shift basis: 1 per day
Cost Data Source: CRG Data

Truck Tractor Description: GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWERED,

400 HP (2ND HALF, 2006)

Truck Trailer Description: GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT

TRAILER (25T, 50T, AND 100T)

Cost Breakdown:

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

NON ROADABLE EQUIPMENT:

Machine	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 D10T - 10SU	93.31	\$282.41	\$125.64	16	\$6,528.80	\$2,010.24	\$4,000.00
CAT 16M	28.73	\$179.39	\$122.78	1	\$302.17	\$122.78	\$250.00
Cat 315D L 8'-6"	19.05	\$244.29	\$59.44	1	\$303.73	\$59.44	\$250.00
Stick							
Cat 324D L 9'-8"	27.33	\$281.20	\$122.78	1	\$403.98	\$122.78	\$250.00
Stick							
CAT 966H	25.80	\$57.78	\$59.44	2	\$234.44	\$118.88	\$500.00
CAT 963D	22.29	\$83.68	\$59.44	1	\$143.12	\$59.44	\$250.00
CAT 450E	9.80	\$78.06	\$59.44	1	\$137.50	\$59.44	\$250.00
Power Mulcher	6.00	\$27.21	\$59.44	2	\$173.30	\$118.88	\$500.00
(Bowie LD-90)							
SCHRAMM	1.25	\$293.57	\$59.44	2	\$706.02	\$118.88	\$500.00
T450WS							

Subtotals: \$8,933.06 \$2,790.76 \$6,750.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Hydroseeder with Tractor	\$133.22	2	\$266.44	\$266.44

Light Duty Pickup, 4x4, 3/4 T.	\$57.91	4	\$231.64	\$231.64	
Light Duty Pickup, 4x4, 1 T.	\$108.47	1	\$108.47	\$108.47	
Crew					
Flatbed Truck, 6x4, 45K GVW	\$110.06	2	\$220.12	\$220.12	
Generic 12-18 cy, 6x4	\$115.19	4	\$460.76	\$460.76	
Water Tanker, 3,500 Gal.	\$75.02	2	\$150.04	\$150.04	

Subtotals: \$1,437.47 \$1,437.47

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: EAGLE

Total one-way travel distance: 10.00 miles

Average Travel Speed: 40.00 mph

<u>Transportation Cycle Time:</u>

	Non-	
	Roadable	Roadable
_	Equipment	Equipment
Haul Time (Hours):	0.25	0.25
Return Time (Hours):	0.25	0.25
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.50	0.50

JOB TIME AND COST

Total job time:	3.00	Hours
Total job cost:	\$37.947	

EQUIPMENT MOBILIZATION/DEMOBILIZATION

			<u> </u>	
ite:	Eagle-Gynsum Mine	Permit Action: TR12	Permit/Job#: M1984041	

PROJECT IDENTIFICATION

Task description:

Task #: F1002 State: Colorado Abbreviation: None

Date: 1/15/2025 County: Eagle Filename: M041-F1002

User: 12:05:14 PM ACY

Secondary Mobilization

Agency or organization name: DRMS

EQUIPMENT TRANSPORT RIG COST

Shift basis: 1 per day
Cost Data Source: CRG Data

Truck Tractor Description: GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWERED,

400 HP (2ND HALF, 2006)

Truck Trailer Description: GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT

TRAILER (25T, 50T, AND 100T)

Cost Breakdown:

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

NON ROADABLE EQUIPMENT:

Machine Description	Weight/ Unit (TONS)	Owner ship Cost/hr/ unit	Haul Rig Cost/hr/uni t	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Cat 315D L 8'-6" Stick	19.05	\$244.29	\$59.44	1	\$303.73	\$59.44	\$250.00
Power Mulcher (Bowie LD-90)	6.00	\$27.21	\$59.44	2	\$173.30	\$118.88	\$500.00

Subtotals: \$477.03 \$178.32 \$750.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Hydroseeder with Tractor	\$133.22	2	\$266.44	\$266.44
Light Duty Pickup, 4x4, 3/4 T.	\$57.91	2	\$115.82	\$115.82
Light Duty Pickup, 4x4, 1 T.	\$108.47	1	\$108.47	\$108.47
Crew				
Flatbed Truck, 6x4, 45K GVW	\$110.06	1	\$110.06	\$110.06

Subtotals:	\$600.79	\$600.79

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:

Total one-way travel distance:

Average Travel Speed:

EAGLE

miles

40.00

mph

Task # F1002

Transportation Cycle Time:

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	0.25	0.25
Return Time (Hours):	0.25	0.25
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.50	0.50

JOB TIME AND COST

Total job cost: 3.00 Hours

Total job cost: \$3,082

EQUIPMENT MOBILIZATION/DEMOBILIZATION

7	Γask description:	Initial Mobilization				
Site:	Eagle-Gypsum Mine	Permit Action:	TR12	Permit/Job#:	M1984041	

PROJECT IDENTIFICATION

Task #: F1003 State: Colorado Abbreviation: None

Date: 1/15/2025 County: Eagle Filename: M041-F1003

12:06:06 PM

User: ACY

EQUIPMENT TRANSPORT RIG COST

Agency or organization name: DRMS

Shift basis: 1 per day
Cost Data Source: CRG Data

Truck Tractor Description: GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWERED,

400 HP (2ND HALF, 2006)

Truck Trailer Description: GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT

TRAILER (25T, 50T, AND 100T)

Cost Breakdown:

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

NON ROADABLE EQUIPMENT:

Machine Description	Weight/ Unit (TONS)	Owner ship Cost/hr/ unit	Haul Rig Cost/hr/uni t	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Cat D10T - 10SU	93.31	\$282.41	\$125.64	2	\$816.10	\$251.28	\$4,000.00
Cat 324D L 9'-8" Stick	27.33	\$281.20	\$122.78	1	\$403.98	\$122.78	\$250.00
CAT 966H	25.80	\$57.78	\$59.44	1	\$117.22	\$59.44	\$500.00

Subtotals: \$1,337.30 \$433.50 \$4,750.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Hydroseeder with Tractor	\$133.22	1	\$133.22	\$133.22
Light Duty Pickup, 4x4, 3/4 T.	\$57.91	13	\$752.83	\$752.83
Light Duty Pickup, 4x4, 1 T.	\$108.47	1	\$108.47	\$108.47
Crew				
Generic 12-18 cy, 6x4	\$115.19	1	\$115.19	\$115.19
Water Tanker, 3,500 Gal.	\$75.02	1	\$75.02	\$75.02

Subtotals: \$1,184.73 \$1,184.73

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:

Total one-way travel distance:

Average Travel Speed:

EAGLE

miles

40.00

mph

Task # F1003

Transportation Cycle Time:

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	0.25	0.25
Return Time (Hours):	0.25	0.25
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.50	0.50

JOB TIME AND COST

Total job cost: 3.00 Hours

Total job cost: \$13,652

SITE MAINTENANCE

	Task description:	Full Time F	Road Maintenan	ice		
Site:	Eagle-Gypsum Mine		Permit Action:	TR12	Permit/.	Job#: <u>M1984041</u>
PROJE	ECT IDENTIFICATIO	<u> </u>				
Task #	t: F1004	State:	Colorado		Abbreviation:	None
Date	:: 1/15/2025 11:30:18 AM	County:	Eagle		Filename:	M041-F1004
User	:: ACY					
	Agency or organiz	ation name:	DRMS			

UNIT COSTS

Maintenance Item	Hours per Year	Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Grader	1000.00	CAT 16M	1,000.00	EA	\$326.79	\$326,790.00
Water Truck	1000.00	Water Tanker, 3,500	1,000.00	EA	\$75.02	\$75,020.00
		Gal.				

Job Hours: 2,000.00 Total Cost: \$401,810.00