

MINERALS PROGRAM INSPECTION REPORT PHONE: (303) 866-3567

The Division of Reclamation, Mining and Safety has conducted an inspection of the mining operation noted below. This report documents observations concerning compliance with the terms of the permit and applicable rules and regulations of the Mined Land Reclamation Board.

MINE NAME:		MINE/PROSPECTING ID#:	MINERAL:	COUNTY:
Mamm Creek Sand & Gravel		M-2000-113	Sand and gravel	Garfield
INSPECTION TYPE:		WEATHER: Clear	INSP. DATE:	INSP. TIME:
Monitoring			May 27, 2025	10:30
OPERATOR:		OPERATOR REPRESENTATIVE:	TYPE OF OPERATION:	
Oldcastle SW Group, Inc. dba United	l Compai	Jesse Farmer	112c - Construction	Regular Operation
County	_			
REASON FOR INSPECTION:		BOND CALCULATION TYPE:	BOND AMOUNT:	
Normal I&E Program			\$188,616.00	
DATE OF COMPLAINT:		POST INSP. CONTACTS:	JOINT INSP. AGENCY:	
NA		None	None	
INSPECTOR(S):	INSPE	CTOR'S SIGNATURE:	SIGNATURE DAT	Е:
Todd Jesse			June 18, 2025	
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		000-		

GENERAL INSPECTION TOPICS

This list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each. No problems or possible violations were noted during the inspection. The mine operation was found to be in full compliance with Mineral Rules and Regulations of the Colorado Mined Land Reclamation Board for the Extraction of Construction Materials and/or for Hard Rock, Metal and Designated Mining Operations. Any person engaged in any mining operation shall notify the office of any failure or imminent failure, as soon as reasonably practicable after such person has knowledge of such condition or of any impoundment, embankment, or slope that poses a reasonable potential for danger to any persons or property or to the environment; or any environmental protection facility designed to contain or control chemicals or waste which are acid or toxic-forming, as identified in the permit.

(AR) RECORDS <u>N</u>	(FN) FINANCIAL WARRANTY Y	(RD) ROADS <u>N</u>
(HB) HYDROLOGIC BALANCE <u>Y</u>	(BG) BACKFILL & GRADING <u>N</u>	(EX) EXPLOSIVES <u>N</u>
(PW) PROCESSING WASTE/TAILING <u>N</u>	(SF) PROCESSING FACILITIES <u>N</u>	(TS) TOPSOIL <u>N</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE <u>Y</u>	(RV) REVEGETATION N
(SM) SIGNS AND MARKERS <u>Y</u>	(SP) STORM WATER MGT PLAN <u>N</u>	(RS) RECL PLAN/COMP N
(ES) OVERBURDEN/DEV. WASTE <u>N</u>	(SC) EROSION/SEDIMENTATION <u>N</u>	(ST) STIPULATIONS <u>N</u>
(AT) ACID OR TOXIC MATERIALS <u>N</u>	(OD) OFF-SITE DAMAGE <u>N</u>	

Y = Inspected / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

OBSERVATIONS

This inspection report was conducted as part of the normal monitoring program established by the Colorado Division of Reclamation, Mining, and Safety's Active Mines Program. Mamm Creek Sand and Gravel is a 112c Operation operated by Oldcastle SW Group, Inc. dba United Companies of Mesa County. The site is located 2 miles east of Rifle, CO at an elevation of approximately 5,300 feet. Public access is controlled by a gate off Co Rd 315. Jesse Farmer of Oldcastle was present during the inspection.

Financial Warranty:

The last bond calculation was done in 2019. In an effort to ensure the financial warranty remains adequate to reclaim this site per the requirements of the approved reclamation plan, DRMS has updated the Reclamation Cost Estimate. The updated estimate is attached to this inspection report. Calculations estimate the cost of reclamation to be \$237,368. This is an increase of \$48,752 over the current surety of \$188,616 held by the Division. A Notice of Surety Increase will be sent under a separate cover once the operator has had the opportunity to review the estimate and dispute any calculations.

Fish and Wildlife:

Song birds (redwing black birds) were observed in the wetland area of the permit.

Hydrologic Balance:

Groundwater has been exposed within the permit boundary in two different ponds. Fuel is stored in a double walled tank. No spills were noted during the inspection.

Gen. Compliance With Mine Plan:

Materials are delivered to the Mamm Creek permit via the conveyor that originates in the North Banks pit. Product is then stockpiled or loaded onto trucks for delivery. A scale and office is located near the entrance to the site. One pond is still being used for mining and the other is reclaimed. Undisturbed ground is located on the far western and far eastern portions of the permit.

Signs and Markers:

The mine identification sign and boundary markers are in place and in compliance with Rule 3.1.12. The sign is posted by the entrance to site. The permit boundary is marked with fence line and posts that are easily identifiable as well as earthen berms

Photos that show site conditions can be found at the end of the report.

All responses to this report should be directed to Todd Jesse with the Division's Active Mines Program at DRMS, Room 215, 1001 E. 62nd Ave. Denver, CO 80216. Direct contact can be made at the Division's Grand Junction Field Office, by phone at (720) 688-0626 or by email at todd.jesse@state.co.us.

PERMIT #: M-2000-113 INSPECTOR'S INITIALS: TJ1 INSPECTION DATE: May 27, 2025

PHOTOGRAPHS



Photo 1: View to the north of proper mine ID at site entrance.



Photo 2: View to the north of fuel storage.



Photo 3: View to the north of stockpiles and end of conveyor corridor.



Photo 4: View to the east of scale and office near the site entrance.



Photo 5: View to the northeast of undisturbed portion of permit area.

Inspection Contact Address

Jesse Farmer Oldcastle SW Group, Inc. dba United Companies of Mesa County 2273 River Road Grand Junction, CO 81502

Enclosure: Reclamation Cost Estimate

CC: Travis Marshall, DRMS

COST SUMMARY WORK

Т	Task descrip	otion:						
Site:	Site: Mamm Creek Sand & Gravel			mit Action:	2025-06-17	Permit/Jol	o#: <u>M2000113</u>	
<u>P1</u>	ROJECT Task #: Date: User:	IDENTIFICA 000 6/17/2025 TJ1	<u>CION</u> <u>State:</u> <u>County:</u>	Colorado Garfield		_ Abbreviation: _ Filename:	None M113-000	

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Demo onsite support facilities DEMOLISH 1		80.00	\$70,663	
02a	Mining Area E-Removal of Asphalt and Propane tank	DEMOLISH	1	40.00	\$32,985
02b	Mining Area E-Rip compacted areas	RIPPER	2	1.90	\$1,314
02c	Mining Area E- Grade misc. stockpiles	DOZER	2	0.48	\$200
02d	Mining Area E- topsoil application	DOZER	2	2.65	\$1,705
02e	Mining Area E-Reveg 3 ac	REVEGE	1	5.00	\$6,729
03a	Mining Area C-Dewater pond	PUMPING	1	117.18	\$8,201
03b	Mining Area C-Grading slopes adjacent to river and pad	DOZER	2	3.16	\$2,031
03c	Mining Area C-Topsoil graded slopes	DOZER	2	0.80	\$516
03d	Mining Area C-Reveg 1 ac	REVEGE	1	2.00	\$2,243
04a	Mining Area A-Rip compacted areas	RIPPER	2	7.63	\$5,256
04b	Mining Area B-Transport Topsoil	LOADER	2	35.38	\$7,707
04c	Mining Area A-Spread Topsoil	DOZER	2	6.60	\$4,248
04d	Mining Area A-Reveg 10 ac	REVEGE	1	13.00	\$22,430
05a	Mining Area B-Rip compacted areas	RIPPER	2	1.52	\$1,051
05b	Mining Area B- topsoil application	DOZER	2	2.43	\$1,565
05c	Mining Area B-Reveg 1 ac	REVEGE	1	2.50	\$4,486
06a	Initial Mobilization	MOBILIZE	1	2.40	\$9,611
06b	Secondary Mobilization	MOBILIZE	1	2.40	\$1,448
		327.03	\$184,389		

INDIRECT COSTS

OVERHEAD AND PROFIT:

	Liability insurance:	2.02	Total =	\$3.725
	Performance bond:		Total =	
	Job superintendent:	105.00	Total =	\$8,323
	Profit:	10.00	Total =	\$18,439
			TOTAL O & P =	\$32,423
			CONTRACT AMOUNT (direct + O & P) =	\$216,812
CAL	ENCINEEDING DD		EMENT.	

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	\$500	Total =	\$500
Engineering work and/or contract/bid preparation:	4.25	Total =	\$9,215

Cost Summary Worksheet Cont'd Tas	k # 000			Page 2 of 2		
Reclamation management and/or administration:	5.00		-	\$10,841		
CONTINGENCY	0.00	Tota	ıl = _	\$0		
		TOTAL INDIRECT COST	Γ = _	\$52,978		
TOTAL B	TOTAL BOND AMOUNT (direct + indirect) =					

DEMOLITION WORK

	Task description:	Demo onsit	e support facilit	ies		
Site:	Mamm Creek Sand &	Gravel	Permit Action:	2025-06-17	Permit/Je	bb#: <u>M2000113</u>
PROJE	ECT IDENTIFICATIO	<u>N</u>				
Task #	4: 01A	State:	Colorado		Abbreviation:	None
Date	: 6/17/2025	County:	Garfield		Filename:	M113-01a
User	:: <u>TJ1</u>					
	Agency or organiz	ation name:	DRMS			

UNIT COSTS

Demolition Menu Structure or Item Unit **Total Cost** Dimensions Unit Quantity Description Selection Cost 60' x 10' x 10' Bldg. (SN) demo./off-6.000.00 \$2,525.40 Scale house CF \$0.42 site disposal in approved landfill - Max. 15 mile haul Scale house 60' x 10' Demo. and on-site 140.00 LF \$4.63 \$647.65 foundation disposal in existing pit, 1.0 ft. x 2 ft. - Max. 10,000 ft. haul Loading and 2 mile haul, CY Scale-70' x 8' 20.00 \$21.15 \$423.00 no salvage - Machine Loading/Hauling loading Hauling only, per mile, 70' x 8' 10.00 \$4.43 Scale-Hauling MI \$44.34 12-18 CY truck - 50 mph average speed Scale-Footers 70' x 8' 32.00 LF \$4.63 Demo. and on-site \$148.04 disposal in existing pit, 1.0 ft. x 2 ft. - Max. 10,000 ft. haul Conveyor-Belt 900 LF x 10" W Conveyor, Demolition CF \$0.44 36,000.00 \$15,685.20 X 4" H Strucutre Cost only Conveyor-Load/Haul 36000 CF Loading and 2 mile haul, 1,333.00 CY \$21.15 \$28,192.95 Belt Structure no salvage - Machine loading Hauling only, per mile, Conveyor-Haul Belt 10 mi x 75 trips 750.00 MI \$4.43 \$3,325.13 12-18 CY truck - 50 mph Structure average speed Conveyor- demo 3 pairs Demo. and on-site 24.00 LF \$13.88 \$333.08 footers disposal in existing pit, 2.0 ft. x 3 ft. - Max. 10,000 ft. haul Conveyor-metal 3 pairs (2'Dia x Loading and 2 mile haul, 9.00 CY \$21.15 \$190.35 no salvage - Machine support load/haul 10'H) loading Conveyor-metal 10 mi x 9 cy Hauling only, per mile, 10.00 MI \$4.43 \$44.34 12-18 CY truck - 50 mph support haul average speed Conveyor-disposal All non-rubble Dump fees - Building 1,584.00 CY \$11.10 \$17,582.40 fees material construction materials.

				Total Cost	
		Subtotal		(adjusted for	
Job Hours:	80.00	(unadjusted):	\$69,141.88	location):	\$70,663.00

Location adjustment: 102.20 %

DEMOLITION WORK

Site:	Mamm Creek Sand & Gra	vel	Permit Action:	2025-06-17	Permit/.	Job#: <u>M2000113</u>
ROJEC	CT IDENTIFICATION					
Task #:	02A	State:	Colorado		Abbreviation:	None
Date:	6/17/2025	County:	Garfield		Filename:	M113-02a
User:	TJ1					

UNIT COSTS

Location adjustment: 95.50 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Demo asphalt pad	250' x 250'	Pavement, bituminous, demolition only - 4 in. to 6 in. thick	3,472.20	SY	\$8.66	\$30,069.25
Load asphalt for offsite disposal	31250 cu ft	Loading only, open areas (unconfined) - Track loader	1,158.00	CY	\$0.87	\$1,012.09
Haul asphalt to Casey Pit for Disposal	65 trips 12 miles	Hauling only, per mile, 12-18 CY truck - 50 mph average speed	780.00	MI	\$4.43	\$3,458.13

				Total Cost	
		Subtotal		(adjusted for	
Job Hours:	40.00	(unadjusted):	\$34,539.47	location):	\$32,985.19

BULLDOZER RIPPING WORK

	Task description:	Mining Area E-Rip com	pacted areas		
Site	: <u>Mamm Creek</u>	Sand & Gravel Permit Action	on: <u>2025-06-17</u>	Permit/Job	o#: <u>M2000113</u>
	PROJECT ID	ENTIFICATION			
	Task #: 02 Date: 6/1 User: TJ	7/2025 County: Garfie		Abbreviation Filename	
	Agency	or organization name: DRMS			
	HOURLY EO	UIPMENT COST			
		Machine: Cat D8T - 8SU		Horsepower:	310
		achment: 3-Shank Ripper		Shift Basis:	l per day
				Data Source:	(CRG)
	Cost Breakdown	<u>.</u>	I	Utilization 0/	
		Ownership Cost/Hour:	\$173.32	Utilization % NA	
		Operating Cost/Hour:	\$109.71	100	
		er Ownership Cost/Hour:	\$14.53	NA	
	Rip	per Operating Cost/Hour: Operator Cost/Hour:	\$7.95 \$38.59	100 NA	
		Total Unit Cost/Hour:	\$38.39	NA	
			\$688.19		
			\$000.19		
	MATERIAL (<u>)UANTITIES</u>	Selected estimating	method: Area	
	Alternate Method	<u>ls:</u>			
eismic:	NA	Bank Volum		BCY	NA
Area:	2.50	acres Rip Depth (ft	2.00	Volume: <u>8,067</u>	BCY or
		Source of estimated quantity:	site observations		
	HOURLY PR	ODUCTION			
	Seismic:				
	<u></u>	Seismic Velocity:	NA	feet/second	
	Area:				
	<u>- II du.</u>	Average Ripping Depth:	2.56	feet/pass	
		Average Ripping Width:	7.08	feet/pass	
		Average Ripping Length:	250.00	feet/pass	
		Average Dozer Speed:	88.00	feet/minute	
		Average Maneuver Time: Production per unit area:	0.25 0.789	minutes/pass acres/hour	
	Job Condition Co	×	0.707		
	Un	adjusted Hourly Unit Production:	0.789	Acres/hr	
		Site Altitude:	5,350	feet	
		Altitude Adj:	1.00	(CAT HB)	
		Job Efficiency: Net Correction:	0.83	(1 shift/day) multiplier	
		Adjusted Hourly Unit Producti Adjusted Hourly Fleet Producti		Acres/hr Acres/hr	
	JOB TIME AN				
			Total ich tim	e: 1.91	Hours
	Fleet size:	2 Grader(s)	Total job tim	c. <u>1.91</u>	nours
	Unit cost:	\$525.601 Per acre	Total job cos	st: \$1,314	

BULLDOZER WORK

Task description:	TATINING A	rea E- Grade m	isc. stockpiles		
Mamm Creek Sand	& Gravel	Permit Action	n: <u>2025-06-17</u>	Permit/Job#:	M2000113
PROJECT IDENTI	FICATION				
Task #: 02C		State: Colorad	do	Abbreviation:	None
Date: $6/17/2025$	C	ounty: Garfiel		Filename:	M113-02c
User: TJ1	0	ounty: <u>Ourner</u>	u	T nename.	WI115 020
Agency or orga	anization name	e: DRMS			
HOURLY EQUIPM	ENT COST				
	at D8T - 8SU				
Horsepower: 31					
	emi-Universal				
Attachment: NA					
	per day				
	CRG)				
	- <u> </u>				
Cost Breakdown:			I Itilization 0/		
Ownership Cost/Hour:		\$173.3	2 <u>Utilization %</u> NA		
Operating Cost/Hour:		\$175.5			
Ripper own. Cost/Hour:		\$109.7			
Ripper op. Cost/Hour:		<u> </u>			
Operator Cost/Hour:		\$38.5			
Total Fleet Cost/Hour:	\$321.62 \$643.23				
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN' Initial Volume: 500	\$643.23 TITIES				
Total Fleet Cost/Hour: MATERIAL QUAN' Initial Volume: <u>500</u>	\$643.23 TITIES				
Total Fleet Cost/Hour: MATERIAL QUAN' Initial Volume: 500 Swell factor: 1.00	\$643.23 TITIES				
Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 500 Swell factor: 1.00	\$643.23 TITIES) 60) LCY ume:	ivision of Reclan at Handbook	nation, Mining & Safety		
Total Fleet Cost/Hour: MATERIAL QUAN' Initial Volume: 500 Swell factor: 1.00 Loose volume: 530 Source of estimated volu	\$643.23 TITIES 0 60 0 LCY ume: D ell factor: C		nation, Mining & Safety		
Total Fleet Cost/Hour: MATERIAL QUAN' Initial Volume: 500 Swell factor: 1.00 Loose volume: 530 Source of estimated volu Source of estimated swe HOURLY PRODUCC	\$643.23 TITIES 0 60 0 LCY ume: _D cll factor: _C CTION	at Handbook	nation, Mining & Safety		
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Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 500 Swell factor: 1.00 Loose volume: 530 Source of estimated volu Source of estimated swe HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average site altitude: Material weight: Weight description: Job Condition Correction Operator Material consist	$ \begin{array}{c} \hline \$ 643.23 \\ \hline \hline \\ \hline $	at Handbook eet 00.0 LCY/hr Consolidated sto 		3)	
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Job efficient	cy: 0.830	(1 SHIFT/DAY)
Spoil pi	le: 0.800	(FND-RF)
Push gradie	nt: 1.000	(CAT HB)
Altitud	le: 1.000	(CAT HB)
Material Weig	ht: 0.793	(CAT HB)
Blade typ	be: 1.000	(PAT)
Net correction	on: 0.3949	
Adjusted unit production:	552.86 LCY/hr	
Adjusted fleet production:	1105.72 LCY/hr	

Fleet size:	2 Dozer(s)
Unit cost:	\$0.582/LCY

Total job time:	0.48 Hours
Total job cost:	\$308

BULLDOZER WORK

Mamm Creek Sand & Gravel Permit Action: 2025-06-17 Permit/Job#: M2000113 PADJECT IDENTIFICATION Task #: 02D County: Garfield Abbreviation: None Date: 617/2025 County: Garfield Filename: M113-02d User: T11	Task description:	Mining Area E	- topsoil appli	ication		
Task #: 02D State: Colorado Abbreviation: None Date: 6/17/2025 County: Garfield Filename: M113-02d User: TJ1 Agency or organization name: DRMS	Mamm Creek Sand &	& Gravel Pe	ermit Action:	2025-06-17	Permit/Job#:	M2000113
Date: 6/17/2025 County: Garfield Filename: M113-02d Agency or organization name: DRMS HOURLY EQUIPMENT COST Basic Machine: Cat D8T - 88U	PROJECT IDENTIF	ICATION				
User: TII Agency or organization name: DRMS HOURLY EQUIPMENT COST Basic Machine: Cat D8T - 8SU Horsepower: 310 Blade Type: Semi-Universal Attachment: NA Shift Basis: 1 per day Data Source: (CRG) Cost Breakdown: Ownership Cost/Hour: \$173.32 NA Operating Cost/Hour: \$100.71 100 NA Ripper op. Cost/Hour: \$30.00 Operator Cost/Hour: \$30.00 Operator Cost/Hour: \$30.00 Operator Cost/Hour: \$321.62 Total Fleet Cost/Hour: \$321.62 Total Fleet Cost/Hour: \$321.62 Total Fleet Cost/Hour: \$643.23 MATERIAL QUANTITIES Initial Volume: 3.630 Swell factor: 1.115 Losse volume: 3.647 Source of estimated volume: 3 ac at 9" depth Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Average sub distance: 50 feet Unadjusted hourly production: 1.400.0 LCY/hr Materials consistency description: Consolidated stockpile 1.0 Average sub altitude: 5.350 feet Material weight: 2.100 lbs/LCY Weight description: Earth - Loam Job Condition Correction Factor Operator Skill: 0.750 (AVG.) Material consistency: 1.000 (CAT HB) Dozing method; 1.000 (CAT HB)	Task #: 02D	State:	Colorado		Abbreviation:	None
Agency or organization name: DRMS HORLY EQUIPMENT COST Basic Machine: Cat DST - 8SU Horspower: 310 Blade Type: Semi-Universal Attachment: NA Attachment: NA Data Source: (CRG) Cost Breakdown: Utilization % Ownership Cost/Hour: \$1173.32 Nata Source: Stores Ownership Cost/Hour: \$109.71 Ripper ovn. Cost/Hour: \$0.00 Naterials Cost/Hour: \$30.00 Source Sock/Hour: \$321.62 Total unit Cost/Hour: \$321.62 Total unit Cost/Hour: \$44.23 Material Volume: \$4.3630 Swell factor: 1.15 Loose volume: 4047 1.CY Source of estimated volume: 3 ac at 9" depth Source of estimated swell factor: Cat Handbook Horage push distance: Sol Sol feet Unadjusted hourly production: 1.400.0 LCYhr Materials consistency description: Consolidated stockpile 1.0 Average susta littude: 5.350 feet	Date: 6/17/2025	County:	Garfield		Filename:	M113-02d
HOURLY EQUIPMENT COST Basic Machine: Cat D8T - 8SU Horsepower: 310 Blade Type: Semit-Universal Attachment: NA Shift Basis: lper day Data Source: (CRG) Ownership Cost/Hour: \$173.32 Operating Cost/Hour: \$100.71 Operator Cost/Hour: \$0.00 Na Na Operator Cost/Hour: \$38.59 Operator Cost/Hour: \$38.59 Total unit Cost/Hour: \$38.59 Source of estimated volume: \$36.30 Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Sac at 9" depth Source of estimated swell factor: Cat Handbook Houral consistency description: Consolidated stockpile 1.0 Average push distance: \$0 feet Unadjusted hourly production: 1.400.0 LCY/hr Material consistency description: Consolidated stockpile 1.0 Average push gradient: 0% Average push gradient: 0% Average site atlitude: 5.350 feet Material weight:	User: TJ1					
Basic Machine: Cat D8T - 8SU Horsepower: 310 Blade Type: Semi-Universal Attachment: NA Shift Basis: 1 per day Data Source: (CRG) Cost Breakdown: Utilization % Ownership Cost/Hour: \$173.32 NA Operating Cost/Hour: \$109.71 100 Ripper op. Cost/Hour: \$0.00 NA Ripper op. Cost/Hour: \$30.00 0 Operator Cost/Hour: \$321.62	Agency or orga	nization name:	ORMS			
Horsepower: 310 Blade Type: Semi-Universal Attachmet: NA Shift Basis: 1 per day Data Source: (CRG) Cost Breakdown: Utilization % Ownership Cost/Hour: \$109,71 Operating Cost/Hour: \$0.00 Na \$00 Ripper own. Cost/Hour: \$0.00 Operator Cost/Hour: \$30.00 Ovata Fletc Cost/Hour: \$321.62 Total mit Cost/Hour: \$3630 Swell factor: 1.115 Loose volume: $4047 LCY$ Source of estimated swell factor: Cat Handbook Hoursly production: $3 a cat 9^{n}$ depth Source of estimated swell factor: 2 a cat 9^n depth Material consistency description: Consolidated stockpile 1.0 Average push distance: 50 feet Unadjusted hourly production: 1.400.0 LCY/hr Material consistency description: Consolidated stockpile 1.0 Average push gradient: 0% Average site altitude: 5.350 feet Material weight: 2.100 lbs/LCY Wei	HOURLY EQUIPMI	ENT COST				
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Operator Skill:0.750(AVG.)Material consistency:1.000(CAT HB)Dozing method:1.000(GEN.)	Weight description:	Earth - Loam				
Material consistency:1.000(CAT HB)Dozing method:1.000(GEN.)						
Dozing method: 1.000 (GEN.)						
V_{101} bility: V_{101} V_{101} $(A V/C)$			1.000 1.000	(GEN.) (AVG.)		

Task # 02D

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:	1.095	(CAT HB)
Blade type:	1.000	(PAT)
Net correction:	0.5453	
Adjusted unit production: 7	763.42 LCY/hr	
Adjusted fleet production: 1	1526.84 LCY/hr	

Fleet size:	2 Dozer(s)
Unit cost:	\$0.421/LCY

Total job time:	2.65 Hours
Total job cost:	\$1,705

REVEGETATION WORK

Task description:		Mining Area	a E-Reveg 3 ac				
Site:	Mamm C	reek Sand &	Gravel	Permit Action:	2025-06-17	Permit/Job	#: <u>M2000113</u>
<u>PI</u>	ROJECT	DENTIFIC	CATION				
	Task #: Date: User:	02E 6/17/2025 TJ1	Sta			Abbreviation: Filename:	None M113-02e
	Age	ncy or organiz	zation name:	DRMS			

FERTILIZING

Materials

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

Application

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

TILLING

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

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Nespar	1.50	4.86	\$25.83
Big Bluegrass - Sherman	1.00	20.66	\$15.85
Intermediate Wheatgrass - Rush	1.50	3.20	\$7.10
Milk Vetch, Cicer - Lutana	0.50	1.66	\$4.89
Western Wheatgrass - Arriba	1.50	3.79	\$13.55
Needlegrass, Green - Lodorm	0.50	2.08	\$4.32
Sage, Fringed	0.25	20.89	\$24.81
Saltbush, Shadscale	0.50	0.75	\$9.04
Penstemon, Rocky Mountain	0.25	3.92	\$15.35

Totals Seed Mix 7.50 61.81 \$120.75

Application

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

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$4.13	\$4.13
Herbicide - Glyphosate (Journey)@ 1.0 pt/ac	1.00	ACRE	\$3.86	\$3.86
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$492.78	\$985.56
Total Mulch Materials Cost/Acre				\$993.55

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 Stoc	k Cost / Acre	\$0.00

	No. of Acres:	3	Cost /Acre:	\$1,794.44
Estimate	ed Failure Rate:	25%	Cost /Acre*:	\$1,794.44
*Selected Replanti	ng Work Items:	TILLING,SEEDIN	IG,MULCHING	
Initial Job Cost: Reseeding Job Cost:	,			

esecung job cost.	φ 1,5- 5.05	
Total Job Cost:	\$6,729	
Job Hours:	5.00	

PUMPING WORK

Task description:	Mining	Area C-Dewate	er pond			
te: Mamm Creek Sand &	z Gravel	Permit Ac	tion: <u>2025</u>	-06-17	Permit/Job#:	M2000113
PROJECT IDENTIF	ICATION	N				
Task #: 03A		State: Colo	orado		Abbreviation:	None
Date: 6/18/2025		County: Garf	ïeld		Filename:	M113-03a
User: TJ1						
Agency or organ	nization na	me: DRMS				
HOURLY EQUIPME	<u>NT COS</u>	T				
	Descripti	ion			Quantity	
Make and Model:		bible pump - 460v	7, 8 in.		3	
Attachment 1:		hose - 6 in. diam			3	
Attachment 2:		ge hose - 6 in. D.	, 25 ft.		24	
Labor Unit 1:	Pump op	berator			1	
Horsepower:	95	_				
	ber day					
	0.70 5 Tons)					
· ·	s Ions)					
Cost Breakdown:			Utili	zation %		
Ownership Cost/H	Hour:	\$34.71		NA		
Operating Cost/H		\$13.20		100		
Operator Cost/H		\$22.07		NA		
Total Unit Cost/H	Hour:	\$69.98				
Total Fleet Cost/	Hour:	\$69.98				
PUMPING QUANTI						
		105.00				225950 5900
Initial Pond Volu Final Pond Volu		195.00 63,540,863.10		lons	Conversion factor:	325850.5800
Total Pond Inflow Sur		05,540,005.10	gan		Unit inflow rate in	
	Area:	40,000	Sq.		gph/sq. ft.:	0.1758
Total Pond Inflow Vol						
per H	lour:	7,032.00	gall	lons		
Source of	of estimated	d volume: 13	ac pond, pun	nped down 15 ft de	eep	
PUMPING TIME						
Max	imum Pun	np Capacity:	170	0,000	gph/pump	
		iction Head:		· · · · · · · · · · · · · · · · · · ·	feet	
Estir	nated Disc	harge Head:			feet	
		Total Head:			feet	
		np Capacity:			gph/pump	
	5	ite Altitude:	٥,	330	feet	
۸dina	tad Dumnia	ng Capacity:	50/	4,000	anh	
		nping Time:			gph hours	
	•	al Pumping:			gallons	
Net Unac	ljusted Pun	nping Time:			Hours	
		ment Factor:			(3% rule)	
		ency Factor:			(55 min./hr.)	
	•	nping Time:	11	7.18	hours	
JOB TIME AND COS	<u>5T</u>			Total job time:	117.18	Hours
II.::	0127	(Calle		T-(1)1	40 404	
Unit cost: \$0.00	0127	/Gallon		Total job cost:	\$8,201	

Task # 03B

Page 1 of 2

BULLDOZER WORK

Mamm Creek Sand & G	ravel Per	mit Action:	2025-06-17	Permit/Job#:	M2000113
PROJECT IDENTIFIC	ATION				
Task #: 03B	State:	Colorado		Abbreviation:	None
Date: 6/17/2025	County:	Garfield		Filename:	M113-03b
User: TJ1				· · · · · ·	
Agency or organization	ation name: DF	RMS			
HOURLY EQUIPMEN	Г СОЅТ				
	8T - 8SU				
Horsepower: 310			_		
	Universal		_		
Attachment: NA					
Shift Basis: 1 per d	lay				
Data Source: (CRG)					
Cost Breakdown:					
			Utilization %		
Ownership Cost/Hour:		\$173.32	NA		
Operating Cost/Hour:		\$109.71	100		
Ripper own. Cost/Hour:		\$0.00	NA		
Ripper op. Cost/Hour:		\$0.00	0		
Operator Cost/Hour:		\$38.59	NA		
	6643.23 <u>TIES</u>				
MATERIAL QUANTIT Initial Volume: <u>3,125</u> Swell factor: <u>1.050</u>	IES				
MATERIAL QUANTIT	IES				
MATERIAL QUANTITInitial Volume:3,125Swell factor:1.050Loose volume:3,281 L	IES .CY	 	.1		
MATERIAL QUANTIT Initial Volume: 3,125 Swell factor: 1.050 Loose volume: 3,281 L Source of estimated volume:	TES .CY :		:1		
MATERIAL QUANTITInitial Volume:3,125Swell factor:1.050Loose volume:3,281 L	TES .CY :		:1		
MATERIAL QUANTIT Initial Volume: 3,125 Swell factor: 1.050 Loose volume: 3,281 L Source of estimated volume: Source of estimated swell factor	TES .CY : 3000 LF ctor: Cat Hand		<u>:1</u>		
MATERIAL QUANTIT Initial Volume: 3,125 Swell factor: 1.050 Loose volume: 3,281 L Source of estimated volume: Source of estimated swell factor: Source of estimated swell factor: Source of estimated swell factor:	IES .CY :		<u>:1</u>		
MATERIAL QUANTIT Initial Volume: 3,125 Swell factor: 1.050 Loose volume: 3,281 L Source of estimated volume: 3000000000000000000000000000000000000	IES .CY :	book	:1		
MATERIAL QUANTIT Initial Volume: 3,125 Swell factor: 1.050 Loose volume: 3,281 L Source of estimated volume: Source of estimated swell factor: Source of estimated swell factor: Source of estimated swell factor:	IES .CY :	book	:1 		
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MATERIAL QUANTIT Initial Volume: 3,125 Swell factor: 1.050 Loose volume: 3,281 L Source of estimated volume: 3,281 L Source of estimated volume: 3,0281 L Source of estimated swell factor: 1.050 HOURLY PRODUCTION Average push distance: Unadjusted hourly production Materials consistency description Average push gradient:	IES .CY : 3000 LF ctor: Cat Hand DN 50 feet on: 1,400.0 LC ption: Compa 10 %	book Y/hr			
MATERIAL QUANTIT Initial Volume: 3,125 Swell factor: 1.050 Loose volume: 3,281 L Source of estimated volume: 3,281 L Source of estimated swell factor: Source of estimated swell factor: HOURLY PRODUCTIO Average push distance: Unadjusted hourly productio Materials consistency description Average push gradient:	IES .CY : 3000 LF ctor: Cat Hand DN on: 50 feet 1,400.0 LC ption: Compa	book Y/hr			
MATERIAL QUANTIT Initial Volume: 3,125 Swell factor: 1.050 Loose volume: 3,281 L Source of estimated volume: 3,281 L Source of estimated volume: 3,0281 L Source of estimated swell factor: 1.050 Average push distance: 1.000 Unadjusted hourly production 1.010 Materials consistency description 1.020 Average push gradient: - Average site altitude: -	IES .CY : 3000 LF ctor: Cat Hand DN 50 feet on: 1,400.0 LC ption: Compa 10 %	book Y/hr			
MATERIAL QUANTIT Initial Volume: 3,125 Swell factor: 1.050 Loose volume: 3,281 L Source of estimated volume: 3,281 L Source of estimated volume: 3,281 L Source of estimated swell factor: 1.050 Average push distance: 1.000 Unadjusted hourly production Materials consistency description Average push gradient: Average site altitude: Material weight:	IES .CY : 3000 LF ctor: Cat Hand DN .50 feet pn: 1,400.0 LC ption: Compa .10 % 5,350 feet	book Y/hr 			
MATERIAL QUANTIT Initial Volume: 3,125 Swell factor: 1.050 Loose volume: 3,281 L Source of estimated volume: 3,281 L Source of estimated volume: 3,281 L Source of estimated swell factor: 1.050 Average push distance: 1.000 Unadjusted hourly production Materials consistency description Average push gradient: Average site altitude: Material weight:	IES .CY :	book Y/hr 			
MATERIAL QUANTIT Initial Volume: 3,125 Swell factor: 1.050 Loose volume: 3,281 L Source of estimated volume: 3,281 L Average of estimated volume: 3,281 L Average push distance: 1000000000000000000000000000000000000	IES .CY : 3000 LF ctor: Cat Hand DN .50 feet ption: 1,400.0 LC ption: Compa .10 % 5,350 feet 3,400 lbs/LCY Sand and gravel - 1 .ctor	book Y/hr 	nbankment 0.9		
MATERIAL QUANTIT Initial Volume: 3,125 Swell factor: 1.050 Loose volume: 3,281 L Source of estimated swell far 4 HOURLY PRODUCTION Average push distance: Unadjusted hourly production Materials consistency description Average push gradient:	IES .CY : 3000 LF ctor: Cat Hand DN : 50 feet : 1,400.0 LC ption: Compa : Compa : 0.0 : 0. : 0. :: 0. :: 0. :: 0. :: 0.	book Y/hr cted fill or er Wet 750 900	nbankment 0.9		
MATERIAL QUANTIT Initial Volume: 3,125 Swell factor: 1.050 Loose volume: 3,281 L Source of estimated volume: 3,281 L Material sconsistency description: 4 Average push distance: 1000000000000000000000000000000000000	IES .CY : 3000 LF ctor: Cat Hand DN : 50 feet : 1,400.0 LC ption: Compa : 0 % : .00 lbs/LCY Sand and gravel : 0 : 0 : 0 : 0 : 0 : 0 : 0 : 0 : 0 : 0 : 0 : 0 : 0 : 0 : 0 : 0 : 0 : 0 : 0	book Y/hr cted fill or er Wet 750	nbankment 0.9 <u>Source</u> (AVG.)		

Task # 03B

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.225	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.676	(CAT HB)
Blade type:	1.000	(PAT)
Net correction:	0.3712	
Adjusted unit production: 51	9.68 LCY/hr	
Adjusted fleet production: 10	39.36 LCY/hr	

Fleet size:	2 Dozer(s)
Unit cost:	\$0.619/LCY

Total job time:	3.16 Hours
Total job cost:	\$2,031

BULLDOZER WORK

Mamm Creek Sand & Gravel Permit Action: 2025-06-17 PROJECT IDENTIFICATION Task #: 03C Date: 6/17/2025 User: TJ1	Abbreviation:	M2000113
Task #:03CState:ColoradoDate:6/17/2025County:Garfield		
Date: 6/17/2025 County: Garfield		
Date: 6/17/2025 County: Garfield		None
User: TI1	Filename:	M113-03c
Agency or organization name: DRMS		
HOURLY EQUIPMENT COST		
Basic Machine: Cat D8T - 8SU		
Horsepower: 310		
Blade Type: Semi-Universal		
Attachment: NA		
Shift Basis: <u>1 per day</u>		
Data Source: (CRG)		
Cost Breakdown:		
Utilization %		
Ownership Cost/Hour:\$173.32NAOperating Cost/Hour:\$109.71100		
Operating Cost/Hour:\$109.71100Ripper own. Cost/Hour:\$0.00NA		
Ripper own: Cost/Hour: \$0.00 141 \$0.00 0 0		
Operator Cost/Hour: \$38.59 NA		
*		
Total unit Cost/Hour:\$321.62Total Fleet Cost/Hour:\$643.23		
Total Fleet Cost/Hour: \$043.23		
MATERIAL QUANTITIES		
Initial Volume: 1,210		
Swell factor: 1.115		
Loose volume: 1,349 LCY		
Source of estimated volume: 1 ac @ 9"		
Source of estimated swell factor: Cat Handbook		
HOURLY PRODUCTION		
Average push distance: 50 feet		
Unadjusted hourly production: 1,400.0 LCY/hr		
Materials consistency description: Compacted fill or embankment 0.9		
Average push gradient:-10 %Average site altitude:5,350 feet		
Material weight: 2,100 lbs/LCY		
Material weight: 2,100 lbs/LCY		
Material weight: 2,100 lbs/LCY Weight description: Earth - Loam		
Weight description: Earth - Loam Job Condition Correction Factor Source		
Weight description: Earth - Loam Job Condition Correction Factor Source Operator Skill: 0.750		
Weight description: Earth - Loam Job Condition Correction Factor Source))	

Task # 03C

Job efficient	ey:	0.830	(1 SHIFT/DAY)
Spoil pi	le:	0.800	(FND-RF)
Push gradie	nt:	1.225	(CAT HB)
Altitud	le:	1.000	(CAT HB)
Material Weig	ht:	1.095	(CAT HB)
Blade typ	be:	1.000	(PAT)
Net correction	on: 0.601	2	
Adjusted unit production:	841.68 LC	CY/hr	
Adjusted fleet production:	1683.36 L	.CY/hr	

Fleet size:	2 Dozer(s)
Unit cost:	\$0.382/LCY

Total job time:	0.80 Hours
Total job cost:	\$516

REVEGETATION WORK

]	Task description:	Mining	Area C-Reveg 1 ac			
Site:	Mamm Creek Sar	nd & Gravel	Permit Action:	2025-06-17	Permit/Job#	: M2000113
<u>P</u>	ROJECT IDENT	IFICATION				
	Task #: 03D Date: 6/17/20 User: TJ1)25	State: Colorado County: Garfield			None M113-03d
	Agency or or	rganization nan	ne: DRMS			

FERTILIZING

Materials

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

Application

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

TILLING

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

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Nespar	1.50	4.86	\$25.83
Big Bluegrass - Sherman	1.00	20.66	\$15.85
Intermediate Wheatgrass - Rush	1.50	3.20	\$7.10
Milk Vetch, Cicer - Lutana	0.50	1.66	\$4.89
Western Wheatgrass - Arriba	1.50	3.79	\$13.55
Needlegrass, Green - Lodorm	0.50	2.08	\$4.32
Sage, Fringed	0.25	20.89	\$24.81
			\$

Totals Seed Mix		\$

Application

Description		Cost /Acre
		\$
То	tal Seed Application Cost/Acre	\$

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$4.13	\$4.13
Herbicide - Glyphosate (Journey)@ 1.0 pt/ac	1.00	ACRE	\$3.86	\$3.86
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$492.78	\$985.56
Total Mulch Materials Cost/Acre				\$993.55

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 Stoc	k Cost / Acre	\$0.00

	No. of Acres: ed Failure Rate: ng Work Items:	Cost /Acre: Cost /Acre*: NG,MULCHING	
Initial Job Cost: Reseeding Job Cost: Total Job Cost: Job Hours:	\$448.61 \$2,243		

BULLDOZER RIPPING WORK

	Task description:	Mining Area A-Rip com	pacted areas			
Site	: <u>Mamm Creek</u>	Sand & Gravel Permit Action	on: 2025-06-17	Permit/Jol	b#: <u>M2000113</u>	
	PROJECT ID	ENTIFICATION				
	Task #: 04. Date: 6/1 User: TJ	7/2025 County: Garfie		Abbreviation		
	Agency	or organization name: DRMS				
		UIPMENT COST				
		Machine: Cat D8T - 8SU		Horanomer	310	
	Ripper Att			Horsepower: Shift Basis:	1 per day	
	11			Data Source:	(CRG)	
	Cost Breakdown	-				
			\$172.22	Utilization %		
		Ownership Cost/Hour: Operating Cost/Hour:	\$173.32 \$109.71	<u>NA</u> 100		
	Ripp	er Ownership Cost/Hour:	\$105.71	NA		
		per Operating Cost/Hour:	\$7.95	100		
		Operator Cost/Hour:	\$38.59	NA		
		Total Unit Cost/Hour:	\$344.10			
		Total Fleet Cost/Hour:	\$688.19			
	MATERIAL (<u>)UANTITIES</u>	Selected estimating	method: Area		
	Alternate Method	<u>ls:</u>				
eismic:	NA	Bank Volum	ne: NA	BCY	NA	
Area:	10.00	acres Rip Depth (f		Volume: 32,267		or CC
		Source of estimated quantity: Or	nsite observations			
	HOURLY PR	ODUCTION				
	<u>Seismic:</u>	Seismic Velocity:	NA	feet/second		
			1111			
	<u>Area:</u>	Average Ripping Depth:	2.56	feet/pass		
		Average Ripping Width:	7.08	feet/pass		
		Average Ripping Length:	250.00	feet/pass		
		Average Dozer Speed:	88.00	feet/minute		
		Average Maneuver Time:	0.25 0.789	minutes/pass		
		Production per unit area:	0.789	acres/hour		
	Job Condition Co	prrection Factors				
	Un	adjusted Hourly Unit Production:	0.789	Acres/hr		
		Site Altitude:	5,350	feet		
		Altitude Adj:	1.00	(CAT HB)		
		Job Efficiency:	0.83	(1 shift/day) multiplier		
		Adjusted Hourly Unit Product Adjusted Hourly Fleet Product		Acres/hr Acres/hr		
	JOB TIME AN					
			Total ist time		TT	
	Fleet size:	2 Grader(s)	Total job tim	e: 7.64	Hours	
	Unit cost:	\$525.601 Per acre	Total job cos	st: \$5,256		

WHEEL LOADER - LOAD AND CARRY WORK

Task description:	Mining	Area B-Transpo	ort Topsoil			
: Mamm Creek Sa	nd & Gravel	Permit Act	ion: <u>2025-06-</u>	17	Permit/Job#:	M2000113
PROJECT IDEN	TIFICATION	[
Task #: 04B		State: Color	rado		Abbreviation:	None
Date: 6/18/2 User: TJ1	025	County: Garfi	eld		Filename:	M113-04b
Agency or	organization nar	ne: DRMS				
HOURLY EQUI	PMENT COST	<u>r</u>				
Basic Machin	e: CAT 950H	I		Horsepo	wer:	197
Attachment	1: ROPS Cab)		Shift B		ber day
				Data Sou	arce: (CRG)
Cost Breakdown:						
COSt DIEakuowii.			Utilizatio	on %		
Ownership C	ost/Hour:	\$36.61	NA	/ii /0		
Operating C		\$35.43	100			
Operator C		\$36.85	NA			
Total Unit C		\$108.89				
Total Fleet	Cost/Hour:	\$217.79				
		•				
Initial volume: Loose volume:	13,49		ľ	ell factor: <u>1.1</u>	15	
	rce of estimated		c @ 9" depth Handbook			
Source	or estimated swe	an factor: <u>Cat</u>	папароок			
HOURLY PROD	UCTION					
<u>HOUKLI I KOD</u>						
Loader Cycle Time:	Unadjust	ed Basic Cycle	Гіте (load, dum	p, maneuver):	0.500	minutes
Cycle Time l	Factors				Factor (min.)	Source
		ial 3/4" to 6" dia	meter 0.00		0.000	(Cat HB)
Sto	ckpile: Conve	eyor or dozer pile	ed 10 ft. high or	less 0.01	0.010	(Cat HB)
Truck Own	· · · · · · · · · · · · · · · · · · ·	non ownership of		lers -0.04	-0.040	(Cat HB)
		ant operation -0.	04		-0.040	(Cat HB)
Dump '	Farget: Nomi	nal target 0.00	~		0.000	(Cat HB)
			et Cycle Time A		-0.070	minutes
		А	djusted Basic C	ycie Time:	0.430	minutes
Rolling Resistance -	Road Condition	<u>15</u>				
-			tononco or wete	r 1" tire noneter	tion 80	
		ted dirt, no main ted dirt, no main				
		wa uni, no mam	tenance of wate	i, + inc penetra		
Haul and Return Tin	<u>ne</u>					
	Length	Grade Res.	Rolling	Total Res.	Travel Time	
	(feet)	(%)	Res. (%)	(%)	(minutes)	Source
Haul Route:	250	0.00	8.00	8.00	0.2899	(Cat HB)

8.00

8.00

250

0.00

Return Route:

0.2629

(Cat HB)

			Total Travel Tin Total Cycle Tin		minutes
Load Bucket Capacity					
Rated Capac Bucket Fill Fac Adjusted Capac	tor: 0.875	LCY (heaj Loose mat LCY		" (85 - 90%) 0.875	
Job Condition Correcti Site Altitude: <u>5350</u> fee	on Factors				
		Source			
Altitude Adj:	1.00	(CAT HB))		
Job Efficiency:	0.83	(1 shift/day	/)		
Net Correction:	0.83	multiplier			
L	Inadjusted Hourly Ur Adjusted Hourly Ur Adjusted Hourly Fle	nit Production:	229.68 190.64 381.27	LCY/Hour LCY/Hour LCY/Hour	
JOB TIME AND C	<u>OST</u>				
Fleet size:	2 Loader(s)	Total job time:	35.39	Hours

 Unit cost:
 \$0.571
 /LCY
 Total job cost:
 \$7,707

BULLDOZER WORK

Task description: Mining Area A-Spread Topsoil			
Mamm Creek Sand & Gravel Permit Action: 202	5-06-17	Permit/Job#:	M2000113
PROJECT IDENTIFICATION			
Task #:04CState:Colorado		Abbreviation:	None
Date: 6/17/2025 County: Garfield		Filename:	M113-04c
User: TJ1			
Agency or organization name: DRMS			
HOURLY EQUIPMENT COST			
Basic Machine: _ Cat D8T - 8SU			
Horsepower: 310			
Blade Type: Semi-Universal			
Attachment: <u>NA</u> Shift Basis: 1 per day			
Shift Basis: 1 per day Data Source: (CRG)			
Cost Breakdown:	Litilization 0/		
Ownership Cost/Hour: \$173.32	<u>Utilization %</u> NA		
Operating Cost/Hour: \$109.71	100		
Ripper own. Cost/Hour: \$0.00	NA		
Ripper op. Cost/Hour: \$0.00	0		
Operator Cost/Hour: \$38.59	NA		
Total unit Cost/Hour: \$321.62 Total Fleet Cost/Hour: \$643.23	-		
Total unit Cost/Hour: \$321.62 Total Fleet Cost/Hour: \$643.23 MATERIAL QUANTITIES Initial Volume: 12,100	-		
Total unit Cost/Hour: \$321.62 Total Fleet Cost/Hour: \$643.23 MATERIAL QUANTITIES			
Total unit Cost/Hour: \$321.62 Total Fleet Cost/Hour: \$643.23 MATERIAL QUANTITIES Initial Volume: 12,100 Swell factor: 1.000 Loose volume: 12,100 LCY	-		
Total unit Cost/Hour: \$321.62 Total Fleet Cost/Hour: \$643.23 MATERIAL QUANTITIES Initial Volume: 12,100 Swell factor: 1.000			
Total unit Cost/Hour: \$321.62 Total Fleet Cost/Hour: \$643.23 MATERIAL QUANTITIES Initial Volume: 12,100 Swell factor: 1.000 Loose volume: 12,100 LCY Source of estimated volume: 12 ac @ 9" Cat Handbook	- - -		
Total unit Cost/Hour: \$321.62 Total Fleet Cost/Hour: \$643.23 MATERIAL QUANTITIES Initial Volume: 12,100 Swell factor: 1.000 Loose volume: 12,100 LCY Source of estimated volume: 12 ac @ 9" Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION			
Total unit Cost/Hour: \$321.62 Total Fleet Cost/Hour: \$643.23 MATERIAL QUANTITIES Initial Volume: 12,100 Swell factor: 1.000 Loose volume: 12,100 LCY Source of estimated volume: 12 ac @ 9" Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: 50 feet			
Total unit Cost/Hour: \$321.62 Total Fleet Cost/Hour: \$643.23 MATERIAL QUANTITIES Initial Volume: 12,100 Swell factor: 1.000 Loose volume: 12,100 LCY Source of estimated volume: 12 ac @ 9" Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION			
Total unit Cost/Hour: \$321.62 Total Fleet Cost/Hour: \$643.23 MATERIAL QUANTITIES Initial Volume: 12,100 Swell factor: 1.000 Loose volume: 12,100 LCY Source of estimated volume: 12 ac @ 9" Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: 50 feet			
Total unit Cost/Hour: \$321.62 Total Fleet Cost/Hour: \$643.23 MATERIAL QUANTITIES Initial Volume: 12,100 Swell factor: 1.000 Loose volume: 12,100 LCY Source of estimated volume: 12 ac @ 9" Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: 50 feet Unadjusted hourly production: 1,400.0 LCY/hr Materials consistency description: Loose stockpile 1.2 Average push gradient: 0 %			
Total unit Cost/Hour: \$321.62 Total Fleet Cost/Hour: \$643.23 MATERIAL QUANTITIES Initial Volume: 12,100 Swell factor: 1.000 Loose volume: 12,100 LCY Source of estimated volume: 12 ac @ 9" Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: 50 feet Unadjusted hourly production: 1,400.0 LCY/hr Materials consistency description: Loose stockpile 1.2			
Total unit Cost/Hour: \$321.62 Total Fleet Cost/Hour: \$643.23 MATERIAL QUANTITIES Initial Volume: 12,100 Swell factor: 1.000 Loose volume: 12,100 LCY Source of estimated volume: 12 ac @ 9" Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: 50 feet Unadjusted hourly production: 1,400.0 LCY/hr Materials consistency description: Loose stockpile 1.2 Average push gradient: 0 %			
Total unit Cost/Hour: \$321.62 Total Fleet Cost/Hour: \$643.23 MATERIAL QUANTITIES Initial Volume: 12,100 Swell factor: 1.000 Loose volume: 12,100 LCY Source of estimated volume: 12 ac @ 9" Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: 50 feet Unadjusted hourly production: 1,400.0 LCY/hr Materials consistency description: Loose stockpile 1.2 Average push gradient: 0 % Average site altitude: 5,350 feet			
Total unit Cost/Hour: \$321.62 Total Fleet Cost/Hour: \$643.23 MATERIAL QUANTITIES Initial Volume: 12,100 Swell factor: 1.000 Loose volume: 12,100 LCY Source of estimated volume: 12 ac @ 9" Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: 50 feet Unadjusted hourly production: 1,400.0 LCY/hr Materials consistency description: Loose stockpile 1.2 Average push gradient: 0 % Average site altitude: 5,350 feet Material weight: 2,100 lbs/LCY Weight description: Earth - Loam Job Condition Correction Factor Earth - Loam	- - - - - - - - - - - - - - - - - - -		
Total unit Cost/Hour: \$321.62 Total Fleet Cost/Hour: \$643.23 MATERIAL QUANTITIES Initial Volume: 12,100 Swell factor: 1.000 Loose volume: 12,100 LCY Source of estimated volume: 12 ac @ 9" Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: 50 feet Unadjusted hourly production: 1,400.0 LCY/hr Materials consistency description: Loose stockpile 1.2 Average push gradient: 0 % Average site altitude: 5,350 feet Material weight: 2,100 lbs/LCY Weight description: Earth - Loam Job Condition Correction Factor 0.750	<u>Source</u> (AVG.)		
Total unit Cost/Hour: \$321.62 Total Fleet Cost/Hour: \$643.23 MATERIAL QUANTITIES Initial Volume: 12,100 Swell factor: 1.000 Loose volume: 12,100 LCY Source of estimated volume: 12 ac @ 9" Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: 50 feet Unadjusted hourly production: 1,400.0 LCY/hr Materials consistency description: Loose stockpile 1.2 Average push gradient: 0 % Average site altitude: 5,350 feet Material weight: 2,100 lbs/LCY Weight description: Earth - Loam Job Condition Correction Factor Earth - Loam	- - - - - - - - - - - - - - - - - - -		

Task # 04C

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:	1.095	(CAT HB)
Blade type:	1.000	(PAT)
Net correction:	0.6544	
Adjusted unit production: 91	6.16 LCY/hr	
Adjusted fleet production: 18	32.32 LCY/hr	

Fleet size:	2 Dozer(s)
Unit cost:	\$0.351/LCY

Total job time:	6.60 Hours
Total job cost:	\$4,248

REVEGETATION WORK

Task description:		Mining Area A-Reveg 10 ac			
Site:	Mamm Creek Sand &	Gravel Permit Action:	2025-06-17	Permit/Job#:	M2000113
PR	OJECT IDENTIFIC	CATION			
	Task #: 04D Date: 6/17/2025 User: TJ1	State: Colorado County: Garfield			None M113-04d
	Agency or organi	zation name:DRMS			

FERTILIZING

Materials

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

Application

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

TILLING

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

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Nespar	1.50	4.86	\$25.83
Big Bluegrass - Sherman	1.00	20.66	\$15.85
Intermediate Wheatgrass - Rush	1.50	3.20	\$7.10
Milk Vetch, Cicer - Lutana	0.50	1.66	\$4.89
Western Wheatgrass - Arriba	1.50	3.79	\$13.55
Needlegrass, Green - Lodorm	0.50	2.08	\$4.32
Sage, Fringed	0.25	20.89	\$24.81
Saltbush, Shadscale	0.50	0.75	\$9.04
Penstemon, Rocky Mountain	0.25	3.92	\$15.35

Totals Seed Mix	7.50	61.81	\$120.75

Application

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

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$4.13	\$4.13
Herbicide - Glyphosate (Journey)@ 1.0 pt/ac	1.00	ACRE	\$3.86	\$3.86
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$492.78	\$985.56
Total Mulch Materials Cost/Acre				\$993.55

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 Stoc	k Cost / Acre	\$0.00

No. of Acres:	10	Cost /Acre:	\$1,794.44	
Estimated Failure Rate:	25%	Cost /Acre*:	\$1,794.44	
*Selected Replanting Work Items:	TILLING,SEEDIN	G,MULCHING		

\$17,944.40
\$4,486.10
\$22,430
13.00

BULLDOZER RIPPING WORK

	Task description	Mining Area B-Rip comp	acted areas			
Site	: <u>Mamm Creek</u>	Sand & Gravel Permit Actio	n: 2025-06-17	Permit/Job	o#: <u>M2000113</u>	
	PROJECT ID	ENTIFICATION				
	Task #: 05. Date: 6/1 User: TJ	7/2025 County: Garfiel		Abbreviation Filename	-	
	Agency	or organization name: DRMS				
	HOURLY EO	UIPMENT COST				
		Machine: Cat D8T - 8SU		Horsepower:	310	
		achment: 3-Shank Ripper		Shift Basis:	1 per day	
				Data Source:	(CRG)	
	Cost Breakdown	<u>:</u>	1	TT.'1' (' 0/		
		Ownership Cost/Hour:	\$173.32	Utilization % NA		
		Operating Cost/Hour:	\$109.71	100		
		er Ownership Cost/Hour:	\$14.53	NA		
	Ripj	per Operating Cost/Hour:	\$7.95	100		
		Operator Cost/Hour: Total Unit Cost/Hour:	\$38.59 \$344.10	NA		
			· · · · · · · · · · · · · · · · · · ·			
		Total Fleet Cost/Hour:	6688.19			
	MATERIAL (<u>DUANTITIES</u>	Selected estimating	method: Area		
	Alternate Method	<u>ls:</u>				
Seismic:	NA	Bank Volume	e: NA	BCY	NA	
Area:	2.00	acres Rip Depth (ft)): 2.00	Volume: 6,453	BCY of	r CC
		Source of estimated quantity: One	site observations			
	HOURLY PR	ODUCTION				
	Seismic:	Seismic Velocity:	NA	feet/second		
		Seisine veloeity.	11A			
	Area:	Average Dinning Donth	256	faat/maaa		
		Average Ripping Depth: Average Ripping Width:	2.56 7.08	feet/pass feet/pass		
		Average Ripping Length:	250.00	feet/pass		
		Average Dozer Speed:	88.00	feet/minute		
		Average Maneuver Time:	0.25	minutes/pass		
		Production per unit area:	0.789	acres/hour		
	Job Condition Co	orrection Factors				
	Un	adjusted Hourly Unit Production:	0.789	Acres/hr		
		Site Altitude:	5,350	feet		
		Altitude Adj:	1.00	(CAT HB)		
		Job Efficiency:	0.83	(1 shift/day)		
		Net Correction:	0.83	multiplier		
		Adjusted Hourly Unit Production Adjusted Hourly Fleet Production		Acres/hr Acres/hr		
	JOB TIME AN	ND COST				
	Fleet size:	2 Grader(s)	Total job time	e: 1.53	Hours	
	Unit cost:	\$525.601 Per acre	Total job cos	st: \$1,051		

BULLDOZER WORK

Mamm Creek Sand & Gravel Permit Action: 2025-06-17 PROJECT IDENTIFICATION Task #: 05B Date: 6/17/2025 County: Garfield User: TJ1 Agency or organization name: DRMS HOURLY EQUIPMENT COST Basic Machine: Cat D8T - 8SU Horsepower: 310	Permit/Job#: Abbreviation: Filename:	<u>M2000113</u> None M113-05b
Task #: 05B State: Colorado Date: 6/17/2025 County: Garfield User: TJ1 Agency or organization name: DRMS HOURLY EQUIPMENT COST Basic Machine: Cat D8T - 8SU	-	
Date: 6/17/2025 County: Garfield User: TJ1 Agency or organization name: DRMS HOURLY EQUIPMENT COST Basic Machine: Cat D8T - 8SU	-	
User: TJ1 Agency or organization name: DRMS HOURLY EQUIPMENT COST Basic Machine: Cat D8T - 8SU	Filename:	M113-05b
Agency or organization name: <u>DRMS</u> <u>HOURLY EQUIPMENT COST</u> Basic Machine: <u>Cat D8T - 8SU</u>		
HOURLY EQUIPMENT COST Basic Machine: Cat D8T - 8SU		
Basic Machine: Cat D8T - 8SU		
Horsepower: 310		
Blade Type: Semi-Universal		
Attachment: NA		
Shift Basis: <u>1 per day</u> Data Source: (CRG)		
Cost Breakdown:		
Our particip Cost (Hours \$172.22		
Ownership Cost/Hour:\$173.32NAOperating Cost/Hour:\$109.71100	_	
Ripper own. Cost/Hour:\$109.71100\$0.00NA	_	
Ripper op. Cost/Hour:\$0.001011\$0.000	_	
Operator Cost/Hour: \$38.59 NA	_	
MATERIAL QUANTITIES Initial Volume: 2,420		
Swell factor: 1.115		
Loose volume: 2,698 LCY		
Source of estimated volume: 2 ac at 9" depth		
Source of estimated volume. <u>2 ac at 9 depth</u> Cat Handbook		
HOURLY PRODUCTION		
Average push distance: 75 feet		
Unadjusted hourly production: <u>1,017.1 LCY/hr</u>		
Materials consistency description: Consolidated stockpile 1.0		
Average push gradient:0 %Average site altitude:5,350 feet		
Material weight: 2,100 lbs/LCY		
Weight description: Earth - Loam		
Job Condition Correction Factor Source		
Operator Skill: 0.750 (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:	1.095	(CAT HB)
Blade type:	1.000	(PAT)
Net correction:	0.5453	
Adjusted unit production: 55	4.62 LCY/hr	
Adjusted fleet production: 11	.09.24 LCY/hr	

Fleet size:	2 Dozer(s)
Unit cost:	\$0.580/LCY

Total job time:	2.43 Hours
Total job cost:	\$1,565

REVEGETATION WORK

r	Task descrip	tion:	Mining Ar	ea B-Reveg 1 ac			
Site:	Mamm C	reek Sand &	Gravel	Permit Action:	2025-06-17	Permit/Job	o#: <u>M2000113</u>
<u>P</u>	ROJECT	IDENTIFIC	ATION				
	Task #: Date: User:	05C 6/18/2025 TJ1		tate: Colorado inty: Garfield		Abbreviation: Filename:	None M113-05c
	Age	ncy or organiz	zation name:	DRMS			

FERTILIZING

Materials

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

Application

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

TILLING

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

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Nespar	1.50	4.86	\$25.83
Big Bluegrass - Sherman	1.00	20.66	\$15.85
Intermediate Wheatgrass - Rush	1.50	3.20	\$7.10
Milk Vetch, Cicer - Lutana	0.50	1.66	\$4.89
Western Wheatgrass - Arriba	1.50	3.79	\$13.55
Needlegrass, Green - Lodorm	0.50	2.08	\$4.32
Sage, Fringed	0.25	20.89	\$24.81
Saltbush, Shadscale	0.50	0.75	\$9.04
Penstemon, Rocky Mountain	0.25	3.92	\$15.35

Totals Seed Mix	7.50	61.81	\$120.75	

Application

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

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$4.13	\$4.13
Herbicide - Glyphosate (Journey)@ 1.0 pt/ac	1.00	ACRE	\$3.86	\$3.86
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$492.78	\$985.56
Total Mulch Materials Cost/Acre				\$993.55

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 Stoc	k Cost / Acre	\$0.00

No. of A	Acres: 2	Cost /Acre:	\$1,794.44
Estimated Failure	Rate: 25%	Cost /Acre*:	\$1,794.44
*Selected Replanting Work	Items: TILLING,SEED	ING,MULCHING	
Initial Job Cost: \$3,588.8 Reseeding Job Cost: \$897.22			

leseeding Job Cost:	\$897.22
Total Job Cost:	\$4,486
Job Hours:	2.50

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description:	Init	ial Mobilization					
e: Mamm Creek S	Sand & Grav	vel Permit	Action: <u>2025</u> -	-06-17		Permit/Job#: <u>M</u>	2000113
PROJECT IDEN	TIFICATI	<u>ON</u>					
Task #: 06A Date: 6/18/ User: TJ1	/2025		olorado arfield			eviation: None ilename: M113	
Agency or	organizatior	n name: DRMS					
EQUIPMENT TI	RANSPOR'	T RIG COST					
Truck	Tractor Desc	ription: GENE	RIC ON-HIGH	WAY TR		$\frac{1}{CRG Da}$ $DR, 6X4, DIESEI$	ita
Truck	Trailer Desc	ription: G		ING GO	P (2ND HALF, OSENECK, DH R (25T, 50T, A)	ROP DECK EQU	IPMENT
Cost Breakdown:							
Available Rig Ca	pacities	0-25 Tons	26-50 Tons	51	+ Tons		
Ownership (\$10.44	\$22.18	\$	523.94		
Operating (Cost/Hour:	\$26.48	\$54.55	\$	55.65		
Operator (Cost/Hour:	\$22.52	\$22.52	\$	522.52		
Helper (Cost/Hour:	\$0.00	\$23.53	\$	523.53		
Total Unit (Cost/Hour:	\$59.44	\$122.78	\$	125.64		
NON ROADABL	E EQUIPN	<u>/IENT:</u>					
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
Grove RT760E, 110', 54.40 MT	42.34	\$176.37	\$122.78	1	\$299.15	\$122.78	\$250.00
Cat 385C L 18'-1" Stick	95.42	\$220.92	\$125.64	1	\$346.56	\$125.64	\$250.00
CAT 950H	20.13	\$36.61	\$59.44	2	\$192.10	\$118.88	\$500.00
CAT 973D	29.07	\$120.46	\$122.78	1	\$243.24	\$122.78	\$250.00
Cat D8T - 8SU Drill/Broadcast Seeder with Tractor	53.08 25.00	\$187.85 \$41.02	\$125.64 \$59.44	2	\$626.98 \$100.46	\$251.28 \$59.44	\$500.00 \$250.00
Power Mulcher (Bowie LD-90)	6.00	\$27.21	\$59.44	1	\$86.65	\$59.44	\$250.00
Submersible pump - 460v, 8 in.	0.70	\$9.89	\$59.44	1	\$69.33	\$59.44	\$250.00

Subtotals: **\$1,964.47 \$919.68 \$2,500.00**

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
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Mobilization Worksheet Cont'd

Task # 06A

Light Duty Pickup, 4x4, 1 T.	\$75.09	1		\$75.09	\$75.09
Crew					
Flatbed Truck, 4x2, 15K GVW	\$64.31	1		\$64.31	\$64.31
Generic 15-18 cy, 6x4	\$129.15	3		\$387.45	\$387.45
		(wheteteler	\$526.85	\$526.85
		2	Subtotals:	\$520 . 85	\$520.85

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: Total one-way travel distance: Average Travel Speed:	RIFLE, CO 5.00 50.00	miles mph
Total Non-Roadable Mob/Demob Cost *	\$9,505.77	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$105.37	

Transportation Cycle Time:

Haul Time (Hours):	Non- Roadable Equipment 0.10	Roadable Equipment 0.10
Return Time (Hours): Loading Time (Hours): Unloading Time (Hours):	0.10 0.10 0.50 0.50	0.10 0.10 NA NA
Subtotals:	1.20	0.20

JOB TIME AND COST

Total job time: **2.40** Hours

Total job cost: **\$9,611**

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description	: Sec	ondary Mobiliza	tion				
: <u>Mamm Creel</u>	k Sand & Grav	el Permit	Action: _2025-	06-17	·	Permit/Job#: <u>M</u>	2000113
PROJECT IDE	ENTIFICATI	<u>ON</u>					
Task #: 06	В	State: Co	olorado		Abbre	eviation: None	
Date: 6/1	18/2025		arfield		Fi	ilename: M113	3-06b
User: TJ	1	•					
Agency	or organization	name: DRMS					
EQUIPMENT '	TRANSPOR	Г RIG COST					
					Shift ba	sis: 1 per da	ıy
					Cost Data Sou		
True	k Tractor Desci	rintion: CENE	DIC ON HIGH			OR, 6X4, DIESEI	DOWEDED
IIuc	K Hactor Desci	ilpuoli. OENE			P (2ND HALF,		L FOWERED,
Tru	ck Trailer Desci	ription: G	ENERIC FOLD			ROP DECK EQU	IPMENT
1100	ek Huner Deser	11ptioli. 0			(25T, 50T, A)	-	
Cost Breakdown:					(201,001,11	(2 1001)	
Available Rig (Capacities	0-25 Tons	26-50 Tons	51	+ Tons		
Ownershi	p Cost/Hour:	\$10.44	\$22.18	\$	623.94		
Operatin	g Cost/Hour:	\$26.48	\$54.55	\$	55.65		
	or Cost/Hour:	\$22.52	\$22.52	\$	522.52		
	er Cost/Hour:	\$0.00	\$23.53	\$	23.53		
Total Uni	it Cost/Hour:	\$59.44	\$122.78	\$.	125.64		
NON ROADAH	SLE EQUIPN	<u>1EN1:</u>					
Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return Trip	DOT Permit
Description	Unit	Cost/hr/ unit	Cost/hr/uni	Size	Cost/hr/	Cost/hr/ fleet	Cost/ fleet
Ĩ	(TONS)		t		fleet		
Drill/Broadcast Seeder with Tractor	25.00	\$41.02	\$59.44	1	\$100.46	\$59.44	\$250.00
Power Mulcher (Bowie LD-90)	6.00	\$27.21	\$59.44	1	\$86.65	\$59.44	\$250.00

Subtotals: **\$187.11 \$118.88 \$500.00**

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Flatbed Truck, 4x2, 15K GVW	\$64.31	1	\$64.31	\$64.31
		Subtotals:	\$64.31	\$64.31

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	RIFLE, CO	
Total one-way travel distance:	5.00	miles
Average Travel Speed:	50.00	mph
Total Non-Roadable Mob/Demob Cost *	\$1,435.42	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$12.86	

Transportation Cycle Time:

	Non- Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	0.10	0.10
Return Time (Hours):	0.10	0.10
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.20	0.20

JOB TIME AND COST

Total job time: 2.40 Hours

Total job cost: **\$1,448**