

May 8, 2025

Zane Luttrell Gunnison Aggregate Resources, LLC 23625 Uncompahgre Road Montrose , CO 81403

Re: Dickerson Pit - File No. M-1978-305 Gunnison Aggregate Resources, LLC Surety Increase (SI-1) Increase FW to \$83,765

Dear Zane Luttrell:

On May 8, 2025 the Division of Reclamation, Mining and Safety increased the current Financial Warranty requirement for this permit to \$83,765.00, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of \$17,247.00 over the amount currently held (\$66,518).

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

Please make arrangements with Sara M. Stevenson-Benn at the Division's Denver office for submittal of the financial warranty. Any other questions regarding completion, execution and/or submittal of financial warranty forms should also be directed to Sara M. Stevenson-Benn by telephone at (303) 866-3567, or by email at Sara.stevenson-benn@state.co.us.

The Permittee for this site may be scheduled for a Formal Board Hearing for possible revocation of the permit if the amount of any increased Financial Warranty has not been provided by July 7, 2025.

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

Sincerely,

Dustin M. Czapla Environmental Protection Specialist



COST SUMMARY WORK

Dickers	on Pit	Per	rmit Action:	2024-12-19	Permit/Jo	b#: <u>M1978305</u>
PROJECT	IDENTIFICAT	<u>'ION</u>				
Task #:	000	State:	Colorado		Abbreviation:	None
Date:	12/19/2024	County:	Gunnison		Filename:	M305-000
User:	DMC					

TASK LIST (DIRECT COSTS)

Task		Form	Fleet	Task	Cost
	Description	Used	Size	Hours	Cost
01a	Demolition of structures and debris	DEMOLISH	1	10.00	\$1,670
02a	Push HW down to 2H:1V	DOZER	1	45.21	\$21,897
03a	Rip compacted pit floor and access roads	RIPPER	1	5.59	\$2,712
04a	Rough grade pit floor/ripped areas	DOZER	1	8.53	\$4,130
05a	Transport OB/Growth Medium from stockpiles	LOADER	1	39.38	\$6,193
06a	Spread OB/Growth Medium	DOZER	1	4.96	\$2,264
07a	Revegetate affected area	REVEGE	1	10.00	\$23,374
08a	Mobilize reclamation crew/equipment	MOBILIZE	1	2.80	\$3,460
		<u>SUBTO</u>	DTALS:	126.47	\$65,700

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$1,327
Performance bond:	1.05	Total =	\$690
Job superintendent:	63.24	Total =	\$5,013
Profit:	10.00	Total =	\$6,570
		TOTAL O & P =	\$13,600
		CONTRACT AMOUNT (direct + O & P) =	\$79,300

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	\$500	Total =	\$500
Engineering work and/or contract/bid preparation:	0.00	Total =	\$0
Reclamation management and/or administration:	5.00		\$3,965
CONTINGENCY:	0.00	Total =	\$0
]	TOTAL INDIRECT COST =	\$18,065
TOTAL BO	ND AM	OUNT (direct + indirect) =	\$83,765

DEMOLITION WORK

1	Task description:	Demolition	of structures an	d debris		
Site:	Dickerson Pit		Permit Action:	2024-12-19	Permit/J	ob#: <u>M1978305</u>
<u>PROJE</u>	CT IDENTIFICATION	N				
Task #:	: 01A	State:	Colorado		Abbreviation:	None
Date:	12/19/2024	County:	Gunnison		Filename:	01a
User:	DMC					
	Agency or organizat	ion name:	DRMS			

UNIT COSTS

Structure or Item **Demolition Menu** Unit **Total Cost** Dimensions Quantity Unit Description Selection Cost 30' x 10' x 3' Loading and 5 mile haul, 33.00 \$453.75 Scale CY \$13.75 salvage allowed - Steel frame structures 10' x 20' x 1' Loading and 5 mile haul, 7.00 CY Scale-concrete end \$16.20 \$113.40 supports salvage allowed -Concrete frame structures Scale house 10' x 8' x 8' Loading and 5 mile haul, 24.00 CY \$23.95 \$574.80 salvage allowed - Wood frame structures Misc. debris/ old Loading and 5 mile haul, 50.00 CY \$13.75 \$687.50 na salvage allowed - Steel equipment frame structures

				Total Cost	
		Subtotal		(adjusted for	
Job Hours:	10.00	(unadjusted):	\$1,829.45	location):	\$1,670.29

Location adjustment: 91.30 %

Page 1 of 2

BULLDOZER WORK

Task description:	Push F	IW down to 2H:1V			
Dickerson Pit		Permit Action:	2024-12-19	Permit/Job#:	M1978305
PROJECT IDE	NTIFICATIO	N			
Task #: 02A		State: Colorado		Abbreviation:	None
	9/2024	County: Gunnison		Filename:	M305-02a
User: DM	C	J		-	
Agency of	r organization n	ame: DRMS			
HOURLY EQU	IPMENT COS	ST			
Basic Machine:	Cat D9T - 9S				
Horsepower:	405				
Blade Type:	Semi-Univer				
Attachment:	3-shank rippe	er			
Shift Basis:	1 per day				
Data Source:	(CRG)				
<u>Cost Breakdown</u> :					
			Utilization %		
Ownership Cost/		\$253.16	NA		
Operating Cost/		\$164.35	100		
Ripper own. Cost/		\$18.79	NA		
Ripper op. Cost/		\$9.48	100		
Operator Cost/	Hour:	\$38.59	NA		
Total unit Cost/Ho Total Fleet Cost/H MATERIAL OI	our: \$484.37				
Total Fleet Cost/H MATERIAL QI Initial Volume:	our: \$484.3 7 J ANTITIES 28,000				
Total Fleet Cost/H MATERIAL Q	our: <u>\$484.37</u> J <u>ANTITIES</u>				
Total Fleet Cost/H MATERIAL O Initial Volume: Swell factor: Loose volume: Source of estimate Source of estimate HOURLY PRO Average push dista	sur: \$484.37 JANTITIES 28,000 1.000 28,000 LCY d volume: d d swell factor: 1 DUCTION 1	Division of Reclamat Cat Handbook	ion, Mining & Safety		
Total Fleet Cost/H MATERIAL QI Initial Volume: Swell factor: Loose volume: Source of estimate Source of estimate HOURLY PRO	sur: \$484.37 JANTITIES 28,000 1.000 28,000 LCY d volume: d d swell factor: 1 DUCTION 1	7 Division of Reclamat Cat Handbook	ion, Mining & Safety		
Total Fleet Cost/H MATERIAL O Initial Volume: Swell factor: Loose volume: Source of estimate Source of estimate HOURLY PRO Average push dista	our: \$484.37 JANTITIES 28,000 1.000 28,000 LCY d volume: d swell factor: DUCTION ince: 1 production: 1	Division of Reclamat Cat Handbook			
Total Fleet Cost/H MATERIAL QI Initial Volume: Swell factor: Loose volume: Source of estimate Source of estimate HOURLY PRO Average push dista Unadjusted hourly	our: \$484.37 JANTITIES 28,000 1.000 28,000 LCY d volume: d swell factor: DUCTION ince: 1 production: 1 ncy description: ient: -15 %	Division of Reclamat Cat Handbook 00 feet ,243.2 LCY/hr Compacted fill or e			
Total Fleet Cost/H <u>MATERIAL QI</u> Initial Volume: Swell factor: Loose volume: Source of estimate Source of estimate <u>HOURLY PRO</u> Average push dista Unadjusted hourly Materials consister Average push grad	our: \$484.37 JANTITIES 28,000 1.000 28,000 LCY d volume: d swell factor: DUCTION ince: 1 production: 1 ncy description: ient: -15 %	Division of Reclamat Cat Handbook 00 feet .,243.2 LCY/hr Compacted fill or e			
Total Fleet Cost/H <u>MATERIAL QI</u> Initial Volume: Swell factor: Loose volume: Source of estimate Source of estimate <u>HOURLY PRO</u> Average push dista Unadjusted hourly Materials consisten Average push grad Average site altitud	our: \$484.37 JANTITIES 28,000 1.000 28,000 LCY d volume: d d swell factor: 1 DUCTION 1 ncce: 1 production: 1 ncy description: 1 ient: -15 % de: 7,650 fd 3,300 lb	Division of Reclamat Cat Handbook 00 feet .,243.2 LCY/hr Compacted fill or e	embankment 0.9		
Total Fleet Cost/H MATERIAL QI Initial Volume: Swell factor: Loose volume: Source of estimate Source of estimate MOURLY PRO Average push dista Unadjusted hourly Materials consister Average push grad Average site altitud Material weight:	our: \$484.37 JANTITIES 28,000 1.000 28,000 LCY d volume: d swell factor: DUCTION ince: 1 production: 1 ient: -15 % de: 7,650 fe	Division of Reclamat Cat Handbook 00 feet ,243.2 LCY/hr Compacted fill or e eet ps/LCY	embankment 0.9		
Total Fleet Cost/H MATERIAL QI Initial Volume: Swell factor: Loose volume: Source of estimate Source of estimate MOURLY PRO Average push dista Unadjusted hourly Materials consister Average push grad Average site altitud Material weight: Weight descriptior Job Condition Cor Op	Summer \$484.37 JANTITIES 28,000 1.000 28,000 LCY d volume: 3well factor: d swell factor: 1 DUCTION 1 ncce: 1 production: 1 ncy description: 1 ient: -15 % de: 7,650 fa 3,300 lk 3,300 lk :: Decomp rection Factor 1	Division of Reclamat Cat Handbook 00 feet ,243.2 LCY/hr Compacted fill or e eet pos/LCY posed rock - 75% Rock 0.750	embankment 0.9		
Total Fleet Cost/H MATERIAL QI Initial Volume: Swell factor: Loose volume: Source of estimate Source of estimate Source of estimate MOURLY PRO Average push dista Unadjusted hourly Materials consister Average push grad Average site altitud Material weight: Weight description Job Condition Cor Op Material of the source o	Summer \$484.37 JANTITIES 28,000 28,000 1.000 28,000 LCY d volume: 3,000 d swell factor: 1 DUCTION 1 ncce: 1 production: 1 ncy description: 1 ient: -15 % de: 7,650 fd 3,300 lk rection Factor 1 erator Skill: consistency:	Division of Reclamat Cat Handbook 00 feet ,243.2 LCY/hr Compacted fill or e eet os/LCY posed rock - 75% Rock 0.750 0.900	mbankment 0.9 		
Total Fleet Cost/H MATERIAL QI Initial Volume: Swell factor: Loose volume: Source of estimate Source of estimate Source of estimate MOURLY PRO Average push dista Unadjusted hourly Materials consister Average push grad Average site altitud Material weight: Weight description Job Condition Cor Op Material of the source o	Summer \$484.37 JANTITIES 28,000 1.000 28,000 LCY d volume: 3well factor: d swell factor: 1 DUCTION 1 ncce: 1 production: 1 ncy description: 1 ient: -15 % de: 7,650 fa 3,300 lk 3,300 lk :: Decomp rection Factor 1	Division of Reclamat Cat Handbook 00 feet ,243.2 LCY/hr Compacted fill or e eet pos/LCY posed rock - 75% Rock 0.750	embankment 0.9		

Job efficience	y: 0.830	(1 SHIFT/DAY)
Spoil pi	e: 0.800	(SSD-AC)
Push gradier	nt: 1.329	(CAT HB)
Altitud	e: 1.000	(CAT HB)
Material Weight	nt: 0.697	(CAT HB)
Blade typ	e: 1.000	(PAT)
Net correction	n: 0.4982	
Adjusted unit production:	619.36 LCY/hr	
Adjusted fleet production:	619.36 LCY/hr	

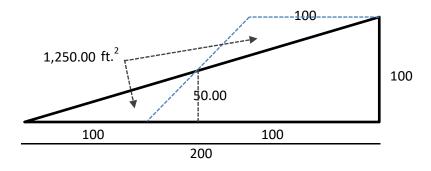
Fleet size:	1 Dozer(s)
Unit cost:	\$0.782/LCY

Total job time:	45.21 Hours
Total job cost:	\$21,897

Highwall reduction - cut and fill

Highwall Height (ft.)	100.0	
Length of Highwall (Ift.)	600	
Initial Slope	1.0	H:1V
Desired Slope	2	H:1V
Volume of material to be moved (ft. ³)	750,000	
Volume of material to be moved (yd. ³)	27,778	

All dimensions measured in feet Drawing not to scale



BULLDOZER RIPPING WORK

	Task description:	Rip	compacted pit floor and a	access roads			
Site	: <u>Dickerson Pit</u>		Permit Action:	2024-12-19	Pern	nit/Job#: <u>M19</u>	78305
	PROJECT ID	ENTIFICATI	<u>ON</u>				
	Task #: 03		State: <u>Colorado</u>		Abbrev		00
	Date: <u>12</u> / User: <u>DN</u>	/19/2024 //C	County: <u>Gunnison</u>		F116	ename: M305	-03a
	Agency	or organization	name: DRMS				
	HOURLY EQ	UIPMENT CO	<u>DST</u>				
	Basic	Machine: Cat	t D9T - 9SU		Horsepower:	405	
	Ripper Att	tachment: <u>3-S</u>	shank Ripper		Shift Basis: Data Source:	1 per day (CRG)	
	Cost Breakdown				Data Source.	(CKU)	
	COSt Dicardowii				Utilization %		
		Ownership Co Operating Co		\$253.16 \$164.35	<u>NA</u> 100		
	Rinn	er Ownership Co		\$164.55	 NA		
		per Operating Co		\$9.48	100		
	11	Operator Co		\$38.59	NA		
		Total Unit Co		\$484.37			
		Total Fleet Co	ost/Hour: \$484	.37			
	MATERIAL (DUANTITIES	Sele	cted estimating	method: Area		
	Alternate Method	<u>ds:</u>					
Seismic:	NA		Bank Volume:	NA	BCY	NA	
Area:	3.00	acres	Rip Depth (ft):	1.50	Volume: 7,2	60	BCY or CC
		Source of estin	mated quantity: DRMS	(inspection obse	ervations)		
	HOURLY PR	ODUCTION					
	Seismic:						
			Seismic Velocity:	NA	feet/second	1	
	Area:						
		Averag	e Ripping Depth:	2.63	feet/pass		
			e Ripping Width:	7.67	feet/pass		
			e Ripping Length:	50.00	feet/pass		
			age Dozer Speed:	88.00	feet/minut		
			Maneuver Time: tion per unit area:	0.25 0.646	minutes/pa acres/hour		
	Job Condition Co		•				
			Unit Production:	0.646	Acres/hr		
	01		Site Altitude:	7,650	feet		
			Altitude Adj:	1.00	(CAT HB)	1	
			Job Efficiency:	0.83	(1 shift/day		
			Net Correction:	0.83	multiplier	, ,	
		Adjusted	Hourly Unit Production:	0.54	Acres/hr		
		Adjusted	Hourly Fleet Production:	0.54	Acres/hr		
	JOB TIME AN	ND COST					
	Fleet size:	1	_ Grader(s)	Total job time	e: <u>5.6</u>	0	Hours
	Unit cost:	\$903.900	Per acre	Total job cost	t: \$2, 7	12	

BULLDOZER WORK

Task description:		Rough ş	grade pit	floor/ripped	areas		
Dickerson Pit			Per	mit Action:	2024-12-19	Permit/Job#:	M1978305
PROJECT IDE	NTIFI	CATION	<u>I</u>				
Task #: 04A Date: 12/1 User: DM0	9/2024 C		State: County:	Colorado Gunnison		Abbreviation: Filename:	None M305-04a
Agency of	r orgar	nization nar	ne: DF	RMS			
HOURLY EQU	IPME	NT COS	<u>Γ</u>				
Basic Machine:		D9T - 9SU	J				
Horsepower:	405	ni-Universa	.1		_		
Blade Type: Attachment:		ank ripper					
Shift Basis:		er day					
Data Source:	$\frac{1}{CR}$						
		/					
Cost Breakdown:					Utilization ⁶	0/2	
Ownership Cost/	- Jour			\$253.16	NA	<u>/0</u>	
Operating Cost/				\$164.35	100		
Ripper own. Cost/J				\$18.79	NA		
Ripper op. Cost/	lour:			\$9.48	100		
Operator Cost/	Hour:			\$38.59	NA		
MATERIAL QU Initial Volume:	4,840)					
Swell factor: Loose volume:	1.125 5,445	5 5 LCY					
Source of estimate Source of estimate			Division Cat Hand		on, Mining & Safet	ty	
HOURLY PRO							
Average push dista Unadjusted hourly) feet 110.5 LC	Y/hr			
Materials consister	cy des	cription:	Rock, a	avg. ripped or	r blasted 0.7		
Average push grad Average site altitud		0 % 7,650 fee	et				
Material weight:		2,650 lbs	J/LCY				
Weight description	:	Decompo	osed rock	- 25% Rock,	75% Earth		
Job Condition Cor	rection	Factor			Sour	<u>ce</u>	
	erator S			750	(AVC		
Material	erator S onsiste	ency:	0.	700	(CAT I	HB)	
Material	erator S	ency: thod:	0. 1.			HB) N.)	

Task # 04A

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:	0.868	(CAT HB)
Blade type:	1.000	(PAT)
Net correction:	0.3026	
Adjusted unit production: 6	538.64 LCY/hr	
Adjusted fleet production:	5 38.64 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$0.758/LCY

Total job time:	8.53 Hours
Total job cost:	\$4,130

WHEEL LOADER - LOAD AND CARRY WORK

Dialzancon D:4				
Dickerson Pit	Permit Action:	: 2024-12-19	Permi	t/Job#: <u>M1978305</u>
PROJECT IDENTIFIC	ATION			
Task #: 05A	State: Colorado		Abbrevia	
Date: <u>12/19/2024</u>	County: Gunniso	n	Filen	ame: <u>M305-05a</u>
User: DMC				
Agency or organiz	ation name: DRMS			
HOURLY EQUIPMEN	<u>T COST</u>			
Basic Machine: C.	АТ 972Н		Horsepower:	287
	OPS Cab		Shift Basis:	1 per day
			Data Source:	(CRG)
Cost Breakdown:				
Sost Dicardowii.		Utilization %		
Ownership Cost/Ho	ur: \$62.43	NA		
Operating Cost/Hor		100		
Operator Cost/Hor	ur: \$36.85	NA		
Total Unit Cost/Hor	ur: \$157.26			
Total Fleet Cost/Ho	our: \$157.26	-		
Total Fleet Cost/Ho	5157.20	-		
MATEDIAL OUANTU				
	TFC			
MATERIAL QUANTIT				
Initial volume:6,85	7 CCY	Swell fact	tor: <u>1.000</u>	_
		Swell fact	tor: <u>1.000</u>	_
Initial volume:6,85 Loose volume:	7 CCY 6,857 LCY			_
Initial volume:6,85 Loose volume: Source of e	7 CCY 6,857 LCY	n of Reclamation, I		
Initial volume:6,85 Loose volume: Source of e	7 CCY 6,857 LCY estimated volume: Divisio	n of Reclamation, I		_
Initial volume:6,85 Loose volume: Source of e	7 CCY 6,857 LCY estimated volume: Divisio nated swell factor: Cat Han	n of Reclamation, I		
Initial volume:6,85 Loose volume: Source of estim	7 CCY 6,857 LCY estimated volume: Divisio nated swell factor: Cat Han DN	n of Reclamation, <u>1</u> ndbook	Mining & Safety	 25 minutes
Initial volume:6,85 Loose volume: Source of estim HOURLY PRODUCTIO	7 CCY 6,857 LCY estimated volume: Divisio nated swell factor: Cat Han	n of Reclamation, <u>1</u> ndbook	Mining & Safety neuver):0.5	
Initial volume:6,85 Loose volume: Source of estim	7 CCY 6,857 LCY estimated volume: Divisio nated swell factor: Cat Han DN	n of Reclamation, <u>1</u> ndbook	Mining & Safety neuver):0.5	n.) Source
Initial volume:6,85 Loose volume: Source of estim HOURLY PRODUCTIO Loader Cycle Time: Cycle Time Factors Material:	7 CCY 6,857 LCY estimated volume: Divisio nated swell factor: Cat Han DN Unadjusted Basic Cycle Tim	n of Reclamation, <u>1</u> ndbook	Mining & Safety neuver):0.5	n.) Source (Cat HB)
Initial volume:6,85 Loose volume: Source of estim HOURLY PRODUCTIO Loader Cycle Time: Cycle Time Factors	7 CCY 6,857 LCY estimated volume: Divisio nated swell factor: Cat Har DN Unadjusted Basic Cycle Tim Mixed material 0.02	n of Reclamation, <u>N</u> ndbook e (load, dump, mar	Mining & Safety neuver):0.5 Factor (mi 0.020	n.) Source
Initial volume:6,85 Loose volume: Source of estim HOURLY PRODUCTIO Loader Cycle Time: Cycle Time Factors Material: Stockpile:	7 CCY 6,857 LCY estimated volume: Divisio nated swell factor: Cat Har DN Unadjusted Basic Cycle Tim Mixed material 0.02 Dumped by truck 0.02	n of Reclamation, <u>N</u> ndbook e (load, dump, mar	Mining & Safety neuver):0.5 Factor (mi 0.020 0.020	n.) Source (Cat HB) (Cat HB)
Initial volume:6,85 Loose volume: Source of estim HOURLY PRODUCTIO Loader Cycle Time: Cycle Time Factors Material: Stockpile: Truck Ownership:	7 CCY 6,857 LCY estimated volume: Divisio nated swell factor: Cat Har DN Unadjusted Basic Cycle Tim Mixed material 0.02 Dumped by truck 0.02 No adjustment - factor nor	n of Reclamation, <u>N</u> ndbook e (load, dump, mar	Mining & Safety neuver):0.5 Factor (mi 0.020 0.020 0.000	n.) Source (Cat HB) (Cat HB) (Cat HB)
Initial volume: Loose volume: Source of estim HOURLY PRODUCTIO Loader Cycle Time: Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	7 CCY 6,857 LCY estimated volume: Division nated swell factor: Cat Har DN Unadjusted Basic Cycle Tim Mixed material 0.02 Dumped by truck 0.02 No adjustment - factor not Constant operation -0.04 Nominal target 0.00 Net C	n of Reclamation, I ndbook e (load, dump, mar t applicable 0.00 ycle Time Adjustm	Mining & Safety neuver): 0.5 Factor (mi 0.020 0.020 0.000 -0.040 0.000 nent: 0.000	n.) Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Initial volume: Loose volume: Source of estim HOURLY PRODUCTIO Loader Cycle Time: Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	7 CCY 6,857 LCY estimated volume: Division nated swell factor: Cat Har DN Unadjusted Basic Cycle Tim Mixed material 0.02 Dumped by truck 0.02 No adjustment - factor not Constant operation -0.04 Nominal target 0.00 Net C	n of Reclamation, <u>N</u> ndbook e (load, dump, mar t applicable 0.00	Mining & Safety neuver): 0.5 Factor (mi 0.020 0.020 0.000 -0.040 0.000 nent: 0.000	n.) Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)
Initial volume: Loose volume: Source of estim HOURLY PRODUCTIO Loader Cycle Time: Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	7 CCY 6,857 LCY estimated volume: Divisio nated swell factor: Cat Har DN Unadjusted Basic Cycle Tim Mixed material 0.02 Dumped by truck 0.02 No adjustment - factor noi Constant operation -0.04 Nominal target 0.00 Net C	n of Reclamation, I ndbook e (load, dump, mar t applicable 0.00 ycle Time Adjustm	Mining & Safety neuver): 0.5 Factor (mi 0.020 0.020 0.000 -0.040 0.000 nent: 0.000	n.) Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Initial volume: Loose volume: Source of estim HOURLY PRODUCTIO Loader Cycle Time: Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Rolling Resistance – Road O	7 CCY 6,857 LCY estimated volume: Divisio nated swell factor: Cat Har DN Cat Har Unadjusted Basic Cycle Tim Mixed material 0.02 Dumped by truck 0.02 No adjustment - factor nor Constant operation -0.04 Nominal target 0.00 Net C Adjustion	n of Reclamation, I ndbook e (load, dump, mar t applicable 0.00 ycle Time Adjustm	Mining & Safety neuver): 0.5 Factor (mi 0.020 0.020 0.000 -0.040 0.000 nent: 0.000	n.) Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Initial volume: Loose volume: Source of estim HOURLY PRODUCTIO Loader Cycle Time: Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Rolling Resistance – Road O Haul:	7 CCY 6,857 LCY estimated volume: Divisio nated swell factor: Cat Har DN Cat Har Unadjusted Basic Cycle Tim Mixed material 0.02 Dumped by truck 0.02 No adjustment - factor nor Constant operation -0.04 Nominal target 0.00 Net C Adju: Conditions Loose sand or gravel 10	n of Reclamation, I ndbook e (load, dump, mar t applicable 0.00 ycle Time Adjustm	Mining & Safety neuver): 0.5 Factor (mi 0.020 0.020 0.000 -0.040 0.000 nent: 0.000	n.) Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Initial volume: Loose volume: Source of estim HOURLY PRODUCTIO Loader Cycle Time: Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Rolling Resistance – Road O	7 CCY 6,857 LCY estimated volume: Divisio nated swell factor: Cat Har DN Cat Har Unadjusted Basic Cycle Tim Mixed material 0.02 Dumped by truck 0.02 No adjustment - factor nor Constant operation -0.04 Nominal target 0.00 Net C Adjustion	n of Reclamation, I ndbook e (load, dump, mar t applicable 0.00 ycle Time Adjustm	Mining & Safety neuver): 0.5 Factor (mi 0.020 0.020 0.000 -0.040 0.000 nent: 0.000	n.) Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes

Source
(Cat HB)
(Cat HB)
_

Total Travel Time:	1.2369	minutes
Total Cycle Time:	1.7619	minutes

Load Bucket Capacity

Rated Capacity:	5.60	LCY (heaped)	
Bucket Fill Factor:	1.100	Other - rock/dirt mixtures	(100-120%) 1.100
Adjusted Capacity:	6.16	LCY	

Job Condition Correction Factors Site Altitude: <u>7650</u> feet

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

Unadjusted Hourly Unit Production:	209.78	LCY/Hour
Adjusted Hourly Unit Production:	174.11	LCY/Hour
Adjusted Hourly Fleet Production:	174.11	LCY/Hour

Fleet size:	1	Loader(s)	Total job time:	39.38	Hours
Unit cost:	\$0.903	/LCY	Total job cost:	\$6,193	

BULLDOZER WORK

	n:	Spread	I OD/GIOV	wth Medium			
: Dickerson P	lit		Per	mit Action:	2024-12-19	Permit/Job#:	M1978305
PROJECT II	DENTI	FICATIO	N				
Task #: 0	6A		State:	Colorado		Abbreviation:	None
	2/19/202	24	County:	Gunnison		Filename:	M305-06a
	$\frac{2}{MC}$	21	county.	Guillison		i iteliaine.	111505 000
		ganization na	ame: DF	RMS			
HOURLY E		-					
Basic Machi		Cat D9T - 9S					
Horsepow		.05	0				
Blade Ty		Semi-Univers	sal				
Attachme		NA	501				
Shift Ba		per day					
Data Sour		CRG)					
		CNUJ					
Cost Breakdow	<u>'n</u> :						
					Utilization %		
Ownership Co				\$253.16	NA		
Operating Co				\$164.35	100		
Ripper own. Co				\$0.00	NA		
Ripper op. Co	ost/Hour	r:		\$0.00	0		
Operator Co	ost/Hour	:		\$38.59	NA		
Total Fleet Cos MATERIAL		<u>\$456.10</u> NTITIES)				
MATERIAL Initial Volum Swell facto	QUAN ne: <u>6,8</u>		J				
MATERIAL Initial Volum	QUAN ne: <u>6,8</u> or: <u>1.0</u>	NTITIES 857	J				
MATERIAL Initial Volum Swell facto	OUAN ne: 6,8 pr: 1.0 ne: 6,8 nated vol 0	NTITIES 857 000 857 LCY lume:			on, Mining & Safety		
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MATERIAL Initial Volum Swell facto Loose volum Source of estim Source of estim	QUAN ne: 6,8 por: 1.0 ne: 6,8 nated vol 0 nated vol 0 nated sw 0	NTITIES 857 000 857 LCY lume: vell factor: CTION	Division		on, Mining & Safety		
MATERIAL Initial Volum Swell facto Loose volum Source of estim Source of estim	QUANne:6,8for:1.0ne:6,8nated volnated volnated swRODUClistance:	NTITIES 857 000 857 LCY lume: vell factor: CTION 5	Division Cat Hand	lbook	on, Mining & Safety		
MATERIAL Initial Volum Swell facto Loose volum Source of estim Source of estim HOURLY PH Average push of	QUAN ne: 6,8 pr: 1.0 ne: 6,8 nated vol nated vol nated sw RODUC distance: arly prod	NTITIES 857 000 857 LCY lume: rell factor: CTION cuction: 2	Division Cat Hand 50 feet 2,110.5 LC	lbook	on, Mining & Safety 		
MATERIAL Initial Volum Swell facto Loose volum Source of estim Source of estim HOURLY PI Average push of Unadjusted hou Materials consi	QUAN ne: 6,8 pr: 1.0 ne: 6,8 nated vol nated vol nated sw RODUC distance: urly proc istency d istency d	NTITIES 857 000 857 LCY lume: 'ell factor: CTION duction: 2 lescription:	Division Cat Hand 50 feet 2,110.5 LC	lbook Y/hr	on, Mining & Safety		
MATERIAL Initial Volum Swell facto Loose volum Source of estim Source of estim HOURLY PH Average push of Unadjusted hou	QUAN ne: 6,8 por: 1.0 ne: 6,8 nated vol nated vol nated sw RODUC distance: urly proc stency d stency d gradient:	NTITIES 857 000 857 LCY lume: 'ell factor: CTION duction: 2 lescription:	Division Cat Hand 50 feet 2,110.5 LC Loose :	lbook Y/hr	on, Mining & Safety		
MATERIAL Initial Volum Swell facto Loose volum Source of estim Source of estim HOURLY PI Average push of Unadjusted hou Materials consi Average push g	QUAN ne: 6,8 por: 1.0 ne: 6,8 nated vol nated sw RODUC distance: urly proc distance; stency d gradient; titude; distance;	NTITIES 857 000 857 LCY lume: rell factor: CTION duction: description: 0 %	Division Cat Hand 50 feet 2,110.5 LC Loose	lbook Y/hr	on, Mining & Safety		
MATERIAL Initial Volum Swell facto Loose volum Source of estim Source of estim HOURLY PH Average push of Unadjusted hou Materials consi Average push g Average site alt	QUAN ne: 6,8 por: 1.0 ne: 6,8 nated vol nated vol nated sw RODUC distance: urly proc urly proc stency d gradient: titude: t: t:	NTITIES 857 000 857 LCY lume: rell factor: CTION :	Division Cat Hand 50 feet 2,110.5 LC Loose = eet bs/LCY	lbook Y/hr	on, Mining & Safety		
MATERIAL Initial Volum Swell facto Loose volum Source of estim Source of estim HOURLY PI Average push of Unadjusted hou Materials consi Average push g Average site alto	QUAN ne: 6,8 por: 1.0 ne: 6,8 nated vol nated vol nated sw RODUC distance: urly proc distance: urly proc distance: urly proc distance: tritude: titude: t: titude: t: ticon: Correction	NTITIES 857 000 857 LCY lume: rell factor: 2 duction: 2 description: 0% $7,650$ fc $2,100$ lk Earth - on Factor	Division Cat Hand 50 feet 2,110.5 LC Loose = eet bs/LCY	lbook Y/hr	on, Mining & Safety		
MATERIAL Initial Volum Swell facto Loose volum Source of estim Source of estim HOURLY PI Average push of Unadjusted hou Materials consi Average push g Average site alt Material weigh Weight descrip Job Condition O	QUAN ne: 6,8 por: 1.0 ne: 6,8 nated vol nated vol nated vol nated sw RODUC distance: urly proc distance: urly proc	NTITIES 857 000 857 LCY lume: rell factor: 2 duction: 2 duction: 2 duction: 2 description: 2,100 lb Earth - on Factor or Skill:	Division Cat Hand 50 feet 2,110.5 LC Loose : eet bs/LCY Loam	Ibook Y/hr stockpile 1.2			
MATERIAL Initial Volum Swell facto Loose volum Source of estim Source of estim HOURLY PH Average push of Unadjusted hou Materials consi Average push g Average site alt Material weigh Weight descrip Job Condition O	QUAN ne: 6,8 por: 1.0 ne: 6,8 nated vol nated vol nated vol nated sw RODUC distance: urly proc distance: urly proc	NTITIES 857 000 857 LCY lume: rell factor: CTION : duction: isterciption: : 0 % 7,650 fd 2,100 lk on Factor or Skill:	Division Cat Hand 50 feet 2,110.5 LC Loose : eet bs/LCY Loam	Ibook Y/hr stockpile 1.2	<u>Source</u> (AVG.) (CAT HB)		
MATERIAL Initial Volum Swell facto Loose volum Source of estim Source of estim HOURLY PH Average push of Unadjusted hou Materials consi Average push g Average site alt Material weigh Weight descrip Job Condition O	QUAN ne: 6,8 pr: 1.0 ne: 6,8 nated volume 0 nated sw 0 RODUC 0 distance: 0 urly prod 0 distance: 0 gradient: 0 titude: 0 t: 0 tion: 0 Correction 0 Dozing m 0	NTITIES 857 000 857 LCY lume: rell factor: CTION : duction: isterciption: : 0 % 7,650 fd 2,100 lk on Factor or Skill:	Division Cat Hand 50 feet 2,110.5 LC Loose = eet bs/LCY Loam 0. 1. 1.	Ibook Y/hr stockpile 1.2			

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	
mit production: 1,3	381.11 LCY/hr	

Adjusted unit production:	1,381.11 LCY/hr
Adjusted fleet production:	1381.11 LCY/hr

Fleet size:	1 Dozer(s)
Unit cost:	\$0.330/LCY

Total job time:	4.96 Hours
Total job cost:	\$2,264

REVEGETATION WORK

Task desc	ription:	Revegetate affected area			_
Site: Dicker	on Pit	Permit Action:	2024-12-19	Permit/Job	#: <u>M1978305</u>
PROJEC	<u> IDENTIFIC</u>	CATION			
Task #	07A	State: Colorado		Abbreviation:	None
Date	12/19/2024	County: Gunnison		Filename:	M305-07a
User	DMC				

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
3-9-9, 5-20-20, 12-12-12	75.00	pound	\$0.69	\$51.76
			Total Fertilizer Materials Cost/Acre	\$51.76

Application

Description	Cost /Acre
NA-fertilizer application incl. with hydroseeding	\$295.60
Total Fertilizer Application Cost/Acre	\$295.60

TILLING

Description	Cost /Acre
Chisel plowing {DMG}	\$102.41
Total Tilling Cost/Acre	\$102.41

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Blue Grama - Native	1.60	26.12	\$34.12
Indian Ricegrass - Native	1.40	4.53	\$24.21
Bottlebrush Squirreltail	5.60	24.68	\$142.27
Sandberg Bluegrass - VNS	0.40	8.49	\$5.78
Muttongrass	0.80	16.53	\$38.13
Needle and Thread	1.80	4.75	\$146.57
Totals Seed Mix	11.60	85.11	\$391.07

Application

	Cost /Acre
	\$1,359.07
Total Seed Application Cost/Acre	\$1,359.07
	Total Seed Application Cost/Acre

MULCHING and MISCELLANEOUS

Materials

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

Application

	Cost /Acre
	\$
Total Mulch Application Cost/Acre	\$0.00
	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

	No. of Acres:	8.5	Cost /Acre:	\$2,199.91
Estimate	ed Failure Rate:	25%	Cost /Acre*:	\$2,199.91
*Selected Replanti	ng Work Items:	FERTILIZING,	FILLING, SEEDING	
Initial Job Cost:	\$18,699.24			
Reseeding Job Cost:	\$4,674.81			
Total Job Cost:	\$23,374			
Job Hours:	10.00			

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Dickerson Pit		Permit	Action: <u>2024</u>	-12-19		Permit/Job#: <u>M</u>	[1978305
PROJECT IDEN	TIFICATI	<u>ON</u>					
Task #: 08A		State: Co	olorado		Abbro	eviation: None	
Date: 12/1	9/2024	County: Gu	ınnison		Fi	ilename: M305	5-08a
User: DM	С						
Agency of	r organization	n name: DRMS					
EQUIPMENT T	RANSPOR	<u>T RIG COST</u>					
					Shift ba	usis: 1 per da	iy
				C	Cost Data Sou		
Truck	Tractor Desc	ription: GENE	RIC ON-HIGH	WAY TRI	ICK TRACTO	OR, 6X4, DIESEI	
THUCK	110001 2030				(2ND HALF,		
Truck	Trailer Desc	ription G	ENERIC FOLT		<u>`</u>	ROP DECK EQU	IPMENT
Truck	Trailer Dese						
				IKALEK	[25]. 50]. AI	NIJ I U U I I	
				IKAILEK	(25T, 50T, Al	ND 1001)	
Cost Breakdown:				IKAILEK	(231, 301, Al	ND 1001)	
Available Rig Ca		0-25 Tons	26-50 Tons	51+	Tons	ND 1001)	
Available Rig Ca Ownership	Cost/Hour:	\$10.44	26-50 Tons \$22.18	51 + \$2	• Tons 3.94	ND 1001)	
Available Rig Ca	Cost/Hour:		26-50 Tons	51 + \$2	Tons	ND 1001)	
Available Rig Ca Ownership Operating Operator	Cost/Hour: Cost/Hour: Cost/Hour:	\$10.44	26-50 Tons \$22.18	51 + \$2 \$5	• Tons 3.94	<u>ND 1001)</u>	
Available Rig Ca Ownership Operating Operator	Cost/Hour: Cost/Hour:	\$10.44 \$26.48	26-50 Tons \$22.18 \$54.55	51 + \$2 \$5 \$2	Tons 3.94 5.65	<u>ND 1001)</u>	
Available Rig Ca Ownership Operating Operator	Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour:	\$10.44 \$26.48 \$22.52	26-50 Tons \$22.18 \$54.55 \$22.52	51+ \$2 \$5 \$2 \$2 \$2	Tons 3.94 5.65 2.52	<u>ND 1001)</u>	
Available Rig Ca Ownership Operating Operator Helper	Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour:	\$10.44 \$26.48 \$22.52 \$0.00	26-50 Tons \$22.18 \$54.55 \$22.52 \$23.53	51+ \$2 \$5 \$2 \$2 \$2	Tons 3.94 5.65 2.52 3.53	<u>ND 1001)</u>	
Available Rig Ca Ownership Operating Operator Helper	Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour:	\$10.44 \$26.48 \$22.52 \$0.00 \$59.44	26-50 Tons \$22.18 \$54.55 \$22.52 \$23.53	51+ \$2 \$5 \$2 \$2 \$2	Tons 3.94 5.65 2.52 3.53	<u>ND 1001)</u>	
Available Rig Ca Ownership Operating Operator Helper Total Unit	Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour:	\$10.44 \$26.48 \$22.52 \$0.00 \$59.44	26-50 Tons \$22.18 \$54.55 \$22.52 \$23.53	51+ \$2 \$5 \$2 \$2 \$2	Tons 3.94 5.65 2.52 3.53	Return Trip	
Available Rig Ca Ownership Operating Operator Helper Total Unit	Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIPN	\$10.44 \$26.48 \$22.52 \$0.00 \$59.44 MENT:	26-50 Tons \$22.18 \$54.55 \$22.52 \$23.53 \$122.78	51+ \$2 \$5 \$2 \$2 \$1	Tons 3.94 5.65 2.52 3.53 25.64		DOT Permit Cost/ fleet
Available Rig Ca Ownership Operating Operator Helper Total Unit NON ROADABL Machine	Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIPN Weight/ Unit	\$10.44 \$26.48 \$22.52 \$0.00 \$59.44 MENT: Owner ship	26-50 Tons \$22.18 \$54.55 \$22.52 \$23.53 \$122.78 Haul Rig	51+ \$2 \$5 \$2 \$2 \$12 \$12	Tons 3.94 5.65 2.52 3.53 25.64 Haul Trip	Return Trip	
Available Rig Ca Ownership Operating Operator Helper Total Unit NON ROADABL Machine	Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIPN Weight/	\$10.44 \$26.48 \$22.52 \$0.00 \$59.44 MENT: Owner ship	26-50 Tons \$22.18 \$54.55 \$22.52 \$23.53 \$122.78 Haul Rig Cost/hr/uni	51+ \$2 \$5 \$2 \$2 \$12 \$12	Tons 3.94 5.65 2.52 3.53 25.64	Return Trip	
Available Rig Ca Ownership Operating Operator Helper Total Unit NON ROADABI Machine Description	Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIPN Weight/ Unit (TONS)	\$10.44 \$26.48 \$22.52 \$0.00 \$59.44 MENT: Owner ship Cost/hr/ unit	26-50 Tons \$22.18 \$54.55 \$22.52 \$23.53 \$122.78 Haul Rig Cost/hr/uni t	51+ \$2 \$5 \$2 \$2 \$12 \$12 Fleet Size	Tons 3.94 5.65 2.52 3.53 25.64 Haul Trip Cost/hr/ fleet \$397.59 \$185.21	Return Trip Cost/hr/ fleet	Cost/ fleet
Available Rig Ca Ownership Operating Operator Helper Total Unit NON ROADABI Machine Description Cat D9T - 9SU	Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIPN Weight/ Unit (TONS) 66.13	\$10.44 \$26.48 \$22.52 \$0.00 \$59.44 MENT: Owner ship Cost/hr/ unit \$271.95	26-50 Tons \$22.18 \$54.55 \$22.52 \$23.53 \$122.78 Haul Rig Cost/hr/uni t \$125.64	51+ \$2 \$5 \$2 \$2 \$12 \$12 Fleet Size 1	Tons 3.94 5.65 2.52 3.53 25.64 Haul Trip Cost/hr/ fleet \$397.59	Return Trip Cost/hr/ fleet \$125.64	\$250.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 1 T. Crew	\$24.60	1	\$24.60	\$24.60
		Subtotals:	\$24.60	\$24.60

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: Total one-way travel distance: Average Travel Speed:	GUNNISON 7.00 35.00	miles mph
Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig:	\$3,450.38	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$9.84	

Transportation Cycle Time:

Haul Time (Hours): Return Time (Hours): Loading Time (Hours):	Non- Roadable Equipment 0.20 0.20 0.50	Roadable Equipment 0.20 0.20 NA
× /	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.40	0.40

JOB TIME AND COST

Total job time: **2.80** Hours

Total job cost: \$3,460