

July 17, 2025

Alan Parkerson Parkerson Construction, Inc. 710 S. 15th St Grand Junction, CO 81501

RE: 31 Road Pit, Permit No. M-1987-178, Proposed Surety Increase (SI-4)

Dear Mr. Parkerson:

This reclamation cost update was in response to the site inspection conducted on July 8, 2025. It is Division policy to periodically update its costs to ensure that the Financial Warranty adequately, reflects the actual current cost of fulfilling the requirements of the approved reclamation plan.

The bond was last recalculated in 2022 with SI-3whcih used 2021 costs. Below is a table summarizing input values that have been updated based on site conditions, changes are in red. This table does not account for price changes resulting from inflation or other RS Means cost changes. Bond calculations are based on a combination of field observations and worst case scenario based on the approved reclamation plan.

Task	Form Used	Description
01a	Demo	Remove scale house On site disposal in existing pit
02a	Scraper	Regrade pit slopes to 3H: 1V-transport and backfill South 300 LF of 1H: 1V backfill @ 40' H = 17,778 CY East 330 LF near vertical backfill @ 40'H = 29,333 CY Total = 47,111 CY moved avg 450 LF for placement
02b	Dozer	Regrade pit slopes to 3H: 1V cut/fill Prev: East 500 LF near vertical 1H:1V @ 40'H =5,926 CY South 300 LF 1H:1V @ 40'H =4.444 CY



02c	Dozer	Topsoil pit slopes, includes utilizing visual berms
		Prev: 1130 LF x 120' W= 3.11 ac @ 6" = 2,508 CY+1833 CY for berms to be spread Total = 4,341 CY push 100'
		300 LF x 120' W= 0.83 ac @ 6" = 670 CY+1833 CY for berms to be spread Total = 2,503 CY push 100'
02d	Reveg	Reveg pit slopes w/ dryland mix
		3.11 ac slopes + 1 ac existing touch up= 4.11 ac
		30% failure since irrigation is available
03a	Scraper	Apply overburden to pit floor
		53 ac pit floor, 4.8 ac under pile = 48.2 ac
		48.2 ac @12" = 77,762 CY
		650 LF move w/ scraper then spread w/ grader
03b	Scraper	Apply topsoil to pit floor
		53 ac pit floor, 5.2 ac under pile = 47.8 ac
		47.8 ac @12" = 77,117 CY
		500 LF move w/ scraper then spread w/ grader
03c	Ripper	Rip compacted areas under stockpile footprints
		4.8 ac under overburden and 5.2 ac under topsoil = 10 ac ripped
04a		Initial Mobilization
		Added foreman truck
04b		Secondary Mobilization
Indirect		Added engineering and bid prep per Division policy

Per policy I wanted to send this out for review prior to issuance. Please look it over and let me know if there are errors or concerns. If no response is received by **Friday**, **August 1**, **2025** then I'll issue SI-4 the following Monday as is. SI-4 will result in a total required bond amount of **\$572,476**, which is <u>an increase of \$67,020</u> over the \$505,455 currently held.

Please feel free to contact me with any further questions. Amy Yeldell at the Division of Reclamation, Mining and Safety, Rm 215, $1001 \to 62^{nd}$ Ave, Denver CO 80216. Direct contact can be made by phone at 970-210-1272 or via email at amy yeldell@ state.co.us

Sincerely,

Amy Geldell

Amy Yeldell

Environmental Protection Specialist

Ec:

Travis Marshall, Senior EPS, Grand Junction DRMS

COST SUMMARY WORK

T	ask description:	Post inspection u	ıpdate				
Site:	31 Road Pit	Per	mit Action:	2025		Permit/Job	#: <u>M1987178</u>
<u>PI</u>	ROJECT IDENTIFI	CATION					
	Task #: ACY Date: 7/17/2025	State: County:	Colorado Mesa			Abbreviation: _ Filename:	None M178-acy
	User: ACY	County.	iviesa			i nename.	Wii / o-acy
	Agency or organ	nization name:DR	MS				
<u>T</u> A	ASK LIST (DIRECT	ΓCOSTS)					
ask	Description	·		Form Used	Fleet Size	Task Hours	Cost
1a	Remove site structu	res		DEMOLISH	1	2.00	\$116
2b	Reduce slopes to 3H			DOZER	2	7.25	\$4,779
2c		nd knock down visua	l berms	DOZER	2	1.87	\$1,235
2d	Reveg pit slopes w/			REVEGE	1	8.00	\$4,774
3a	Apply overburden to			SCRAPER1	3	36.34	\$214,420
3b	Apply topsoil to pit			SCRAPER1	3	36.10	\$212,969
3c	Rip areas under stoc	kpiles		RIPPER	2	7.63	\$5,406
4a	Initial Mobilization			MOBILIZE	1	3.00	\$14,980
4b	Secondary Mobiliza	ntion		MOBILIZE	1	3.00	\$856
				SOBIC	OTALS:		\$459,535
IN	DIRECT COSTS						
O/	VERHEAD AND PROP	FIT:					
	Liability insura	ance: 2.02				Total = \$9	,283
	Performance b						,825
	Job superinten	dent: 52.59				Total = \$3	,951
	P	rofit: 10.00					5,954
							54,012
			CONTR	RACT AMOUNT	(direct +	$O \& P = _{\$5}$	523,547
LE	EGAL - ENGINEERING	G - PROJECT MAN	AGEMENT:				
	Financial warranty r	processing (legal/rela	ted costs):	\$500		Total = \$5	500
		and/or contract/bid pr		4.25	_		22,251
	Reclamation mana	agement and/or admi	nistration:	5.00	_	\$2	26,177
		CONTIN	IGENCY:	0.00		Total = \$0)
				TOTAL II	NDIRECT	COST = 1	12,940
		Т	OTAL BON	ND AMOUNT (d	lirect + in	direct) =\$5	372,475

DEMOLITION WORK

Task description	on: Remov	ve site structures				
Site: 31 Road Pit		Permit Action: 2025		Pe	rmit/Job#: _	M1987178
PROJECT IDENTI	FICATION					
Task #: 01A Date: 7/17/2025 User: ACY Agency		tate: Colorado unty: Mesa e: DRMS		Abbreviat Filena		
<u>UNIT COSTS</u>				Location	adjustment:	<u>: 90.70 %</u>
Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Scale house	8 x8 x8	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	512.00	CF	\$0.25	\$128.31
Job Hours:	2.00	Subtotal (unadjusted): \$1	28.31	(adjı	otal Cost isted for ocation):	\$116.38

BULLDOZER WORK

Task description:	Red	uce slopes to 3H:1V			
31 Road Pit		Permit Action:	2025	Permit/Job#:	M1987178
PROJECT IDEN	TIFICATI	<u>ON</u>			
Task #: 02B		State: Colorado		Abbreviation:	None
Date: 7/17/2	2025	County: Mesa		Filename:	M178-02b
User: ACY				-	
Agency or	organization	name: DRMS			
HOURLY EQUII	PMENT CO	<u>OST</u>			
Basic Machine:	Cat D8T -	8SU	<u> </u>		
Horsepower:	310	1			
Blade Type: Attachment:	Semi-Univ NA	ersal	<u></u>		
Shift Basis:	1 per day				
Data Source:	(CRG)		<u> </u>		
Cost Breakdown:					
0 11 0 //		Φ1 5 0.60	<u>Utilization %</u>		
Ownership Cost/He		\$179.60	NA 100		
Operating Cost/He Ripper own. Cost/He		\$110.45 \$0.00	100 NA		
Ripper op. Cost/He		\$0.00	0		
Tupper op. Cosum		\$39.46	NA NA		
Operator Cost/Ho	our:	\$39.40	INA	<u></u>	
Total unit Cost/Hour	r: \$329	.51	IVA		
•	r: \$329	.51	INA		
Total unit Cost/Hour Total Fleet Cost/Hou	r: \$329 \$1,97	.51 77.06	INA		
Total unit Cost/Hour Total Fleet Cost/Hou MATERIAL QUA	r: \$329. ur: \$1,97	.51 77.06			
Total unit Cost/Hour Total Fleet Cost/Hou MATERIAL QUA Initial Volume:	r: \$329 ur: \$1,97 ANTITIES 4,444	.51 77.06			
Total unit Cost/Hour Total Fleet Cost/Hou MATERIAL QUA Initial Volume: Swell factor:	r: \$329 \$1,97 ANTITIES 4,444 1.125	.51 77.06	INA		
Total unit Cost/Hour Total Fleet Cost/Hou MATERIAL QUA Initial Volume: Swell factor: Loose volume:	r: \$329 \$1,97 ANTITIES 4,444 1.125 5,000 LCY	77.06			
Total unit Cost/Hour Total Fleet Cost/Hour MATERIAL QUA Initial Volume: Swell factor: Loose volume:	r: \$329 \$1,97 ANTITIES 4,444 1.125 5,000 LCY volume:	.51 77.06 			
Total unit Cost/Hour Total Fleet Cost/Hou MATERIAL QUA Initial Volume: Swell factor: Loose volume:	r: \$329 \$1,97 ANTITIES 4,444 1.125 5,000 LCY volume:	.51 77.06 			
Total unit Cost/Hour Total Fleet Cost/Hour MATERIAL QUA Initial Volume: Swell factor: Loose volume:	r: \$329 ur: \$1,97 ANTITIES 4,444 1.125 5,000 LCY volume: swell factor:	.51 77.06 			
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Total unit Cost/Hour Total Fleet Cost/Hour MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated	r: \$329 \$1,97 ANTITIES 4,444 1.125 5,000 LCY volume: swell factor:	.51 77.06 			
Total unit Cost/Hour Total Fleet Cost/Hour Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distan	r: \$329. \$1,97 ANTITIES 4,444 1.125 5,000 LCY volume: swell factor: DUCTION ace: oroduction:	.51 .77.06 	'H		
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Total unit Cost/Hour Total Fleet Cost/Hour Total Fleet Cost/Hour Total Fleet Cost/Hour MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distan Unadjusted hourly p Materials consistence Average push gradie Average site altitude Material weight: Weight description: Job Condition Corre	### ### ### ### ### #### #### ########		'Hembankment 0.9		
Total unit Cost/Hour Total Fleet Cost/Hour Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distant Unadjusted hourly push Materials consistence Average push gradie Average site altitude Material weight: Weight description: Job Condition Correct Oper	### ### ### ### ### #### #### ########	.51 .77.06 .51 .77.06 .52 .5300 LF 1H:1V @ 40 .750 Cat Handbook .52 .5300 LF 1H:1V @ 40 .750 .5300 LF 1H:1V @ 40 .750	embankment 0.9 Source (AVG.)		
Total unit Cost/Hour Total Fleet Cost/Hour Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated Fleet	### ### ### ### ### #### #### ########		'Hembankment 0.9		

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

Net correction: 0.4043

Adjusted unit production: 344.71 LCY/hr
Adjusted fleet production: 2068.26 LCY/hr

JOB TIME AND COST

Fleet size: 6 Dozer(s)
Unit cost: \$0.956/LCY

Total job time: 2.42 Hours
Total job cost: \$4,779

BULLDOZER WORK

Task description:	Topsoil	•			
31 Road Pit		Permit Action:	2025	Permit/Job#:	M1987178
PROJECT IDEN	TIFICATION	N			
Task #: 02C		State: Colorado		Abbreviation:	None
Date: 7/17/2	025	County: Mesa		Filename:	M178-02c
User: ACY	<u> </u>	, <u> </u>		-	
Agency or	organization na	me: DRMS			
HOURLY EQUII	PMENT COS	<u>T</u>			
Basic Machine:	Cat D8T - 8SU				
Horsepower:	310		<u></u>		
Blade Type:	Semi-Univers	al	<u></u>		
Attachment: Shift Basis:	NA 1 man days		<u> </u>		
Shift Basis: Data Source:	1 per day (CRG)				
Cost Breakdown:					
			<u>Utilization %</u>		
Ownership Cost/Ho		\$179.60	NA 100		
Operating Cost/Ho		\$110.45	100 NA		
Ripper own. Cost/Ho Ripper op. Cost/Ho		\$0.00 \$0.00	NA 0		
Mipper op. Cosum	ли1		-		
Operator Cost/Hour	-	\$39.46	NA		
Total unit Cost/Hour	: \$329.51	\$39.46	NA NA		
•	÷ \$329.51	\$39.46	NA NA		
Total unit Cost/Hour	\$329.51 fr: \$659.02	\$39.46	NA NA		
Total unit Cost/Hour Total Fleet Cost/Hou MATERIAL QUA	\$329.51 fr: \$659.02	\$39.46	NA NA		
Total unit Cost/Hour Total Fleet Cost/Hou MATERIAL QUA Initial Volume:	\$329.51 ar: \$659.02	\$39.46	NA NA		
Total unit Cost/Hour Total Fleet Cost/Hour MATERIAL QUA Initial Volume: Swell factor:	\$329.51 Fir: \$659.02 SANTITIES 2,503	\$39.46	NA NA		
Total unit Cost/Hour Total Fleet Cost/Hour MATERIAL QUA Initial Volume: Swell factor:	\$329.51 \$659.02 ANTITIES 2,503 1.215 3,041 LCY	0.83 ac @ 6" + 1883			
Total unit Cost/Hour Total Fleet Cost/Hour MATERIAL QUA Initial Volume: Swell factor: Loose volume:	\$329.51 \$659.02 ANTITIES 2,503 1.215 3,041 LCY volume:				
Total unit Cost/Hour Total Fleet Cost/Hour MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated	\$329.51 ar: \$659.02 ANTITIES 2,503 1.215 3,041 LCY volume: swell factor:	0.83 ac @ 6" + 1883			
Total unit Cost/Hour Total Fleet Cost/Hour Total Fleet Cost/Hour MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated Source of estimated Average push distant	\$329.51 \$659.02 \$ANTITIES 2,503 1.215 3,041 LCY volume: swell factor:	0.83 ac @ 6" + 1883 Cat Handbook			
Total unit Cost/Hour Total Fleet Cost/Hour Total Fleet Cost/Hour MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated Source of estimated HOURLY PROD	\$329.51 \$659.02 \$ANTITIES 2,503 1.215 3,041 LCY volume: swell factor:	0.83 ac @ 6" + 1883 Cat Handbook			
Total unit Cost/Hour Total Fleet Cost/Hour Total Fleet Cost/Hour MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated Source of estimated Average push distant	\$329.51 \$659.02 ANTITIES 2,503 1.215 3,041 LCY volume: swell factor: UCTION ce: roduction: \$329.51 \$659.02	0.83 ac @ 6" + 1883 Cat Handbook	of berms		
Total unit Cost/Hour Total Fleet Cost/Hour Total Fleet Cost/Hour MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated Source of estimated Unadjusted hourly processing to the control of the cost of the c	\$329.51 ar: \$329.02 ANTITIES 2,503 1.215 3,041 LCY volume: swell factor: UCTION ce:1 roduction:8: y description: nt:15 %	0.83 ac @ 6" + 1883 Cat Handbook 00 feet 52.6 LCY/hr Consolidated stock	of berms		
Total unit Cost/Hour Total Fleet Cost/Hour Total Fleet Cost/Hour MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated Source of estimated Unadjusted hourly published Hourly published Hourly published Source Consistency Average push gradie	\$329.51 ar: \$329.02 ANTITIES 2,503 1.215 3,041 LCY volume: swell factor: UCTION ce:1 roduction:8: y description: nt:15 %	0.83 ac @ 6" + 1883 Cat Handbook 00 feet 52.6 LCY/hr Consolidated stock	of berms		
Total unit Cost/Hour Total Fleet Cost/Hour Total Fleet Cost/Hour MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated Source of estimated HOURLY PROD Average push distance Unadjusted hourly published Source of So	\$329.51 \$659.02 ANTITIES 2,503 1.215 3,041 LCY volume: swell factor: UCTION ce:	0.83 ac @ 6" + 1883 Cat Handbook 00 feet 52.6 LCY/hr Consolidated stock	of berms		
Total unit Cost/Hour Total Fleet Cost/Hour Total Fleet Cost/Hour MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated Source of estimated HOURLY PROD Average push distance Unadjusted hourly push Materials consistence Average push gradie Average site altitude Material weight: Weight description: Job Condition Correct	\$329.51 ar: \$329.52 \$659.02 ANTITIES 2,503 1.215 3,041 LCY volume: swell factor:	0.83 ac @ 6" + 1883 Cat Handbook 00 feet 52.6 LCY/hr Consolidated stock et	of berms pile 1.0 Source		
Total unit Cost/Hour Total Fleet Cost/Hour Total Fleet Cost/Hour MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated Source of estimated HOURLY PROD Average push distance Unadjusted hourly produced Materials consistency Average push gradie Average site altitude Material weight: Weight description: Job Condition Correct Oper	\$329.51 ar: \$329.52 \$659.02 ANTITIES 2,503 1.215 3,041 LCY volume: swell factor:	0.83 ac @ 6" + 1883 Cat Handbook 00 feet 52.6 LCY/hr Consolidated stock et 8/LCY	of berms pile 1.0 Source (AVG.)		
Total unit Cost/Hour Total Fleet Cost/Hour Total Fleet Cost/Hour MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated Source of estimated HOURLY PROD Average push distant Unadjusted hourly produced Materials consistency Average push gradie Average site altitude Material weight: Weight description: Job Condition Correct Oper Material co	\$329.51 ar: \$329.52 \$659.02 ANTITIES 2,503 1.215 3,041 LCY volume: swell factor:	0.83 ac @ 6" + 1883 Cat Handbook 00 feet 52.6 LCY/hr Consolidated stock et	of berms pile 1.0 Source		

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.329	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.9517

Adjusted unit production: 811.42 LCY/hr
Adjusted fleet production: 1622.84 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: \$0.406/LCY

Total job time: 1.87 Hours
Total job cost: \$1,235

REVEGETATION WORK

31 Road Pit	Permit Action: 2025 Permit/Job#:		#: <u>M1987178</u>			
ROJECT IDENTIFICA	TION					
Task #: 02D	State:	Colorado		Ah	breviation:	None
Date: 7/17/2025	County:	Mesa			Filename:	M178-02d
User: ACY		111000		<u> </u>	_	11170 020
Agency or organizat	ion name: DR	MS				
CRTILIZING						
<u>iterials</u>		Units /				
Description		Acre	Unit	Cos	st / Unit	Cost /Acre
				\$		\$
						Ψ
				To	tal Fertilizer	
					Materials	
					Cost/Acre	\$0.00
plication Description						Cost /Acre
plication Description						Cost /Acre
		Total	Fertilizer	Applicatio	on Cost/Acre	
		Total	Fertilizer	Applicatio	on Cost/Acre	\$
Description LLING		Total	Fertilizer	Applicatio	on Cost/Acre	\$ \$0.00
Description LLING Description	MFANS 32 91 13		Fertilizer	Applicatio	on Cost/Acre	\$ \$0.00 Cost /Acre
Description LLING	MEANS 32 91 13		Fertilizer	Applicatio	on Cost/Acre	\$ \$0.00
Description LLING Description	MEANS 32 91 13				on Cost/Acre	\$ \$0.00 Cost /Acre
Description LLING Description	MEANS 32 91 13					\$ \$0.00 Cost /Acre \$114.13
Description LLING Description Disc harrowing, 6" deep (Mathematical Eding)	MEANS 32 91 13				ng Cost/Acre	\$0.00 Cost /Acre \$114.13 \$114.13
Description LLING Description Disc harrowing, 6" deep (N	MEANS 32 91 13			Fotal Tillin	ng Cost/Acre	\$ \$0.00 Cost /Acre \$114.13
Description LLING Description Disc harrowing, 6" deep (Mathematical Eding)	MEANS 32 91 13			Fotal Tillin	Seeds	\$0.00 Cost /Acre \$114.13 \$114.13
Description LLING Description Disc harrowing, 6" deep (No. 1997) EDING Seed Mix				Rate – PLS LBS / Acre	Seeds per SQ. FT	\$0.00 Cost /Acre \$114.13 \$114.13
Description LLING Description Disc harrowing, 6" deep (No. 1) EDING Seed Mix Indian Ricegrass - Paloma				Rate – PLS LBS / Acre 2.26	Seeds per SQ. FT	\$0.00 Cost /Acre \$114.13 \$114.13 Cost /Acre
Description LLING Description Disc harrowing, 6" deep (Mathematical Eding)				Rate – PLS LBS / Acre 2.26 1.26	Seeds per SQ. FT 7.32 5.79	\$0.00 Cost /Acre \$114.13 \$114.13 Cost /Acre \$47.51 \$7.08
Description LLING Description Disc harrowing, 6" deep (No. 1) EDING Seed Mix Indian Ricegrass - Paloma				Rate – PLS LBS / Acre 2.26	Seeds per SQ. FT	\$0.00 Cost /Acre \$114.13 \$114.13 Cost /Acre
Description LLING Description Disc harrowing, 6" deep (No. 1) EDING Seed Mix Indian Ricegrass - Paloma Crested Wheatgrass - Ephr				Rate – PLS LBS / Acre 2.26 1.26	Seeds per SQ. FT 7.32 5.79	\$0.00 Cost /Acre \$114.13 \$114.13 Cost /Acre \$47.51 \$7.08

Application

Description		Cost /Acre
Broadcast seeding [DMG]		\$279.08
	Total Seed Application Cost/Acre	\$279.08

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$4.44	\$4.44
Total Mulch Materials Cost/Acre				\$4.44

Application

Description		Cost /Acre
Weed spray, truck, non-aquatic area, nox. [DMG]		\$249.08
	Total Mulch Application Cost/Acre	\$249.08

NURSERY STOCK PLANTING

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

JOB TIME AND COST

No. of Acres: 4.11 Cost /Acre: \$893.52

Estimated Failure Rate: 30% Cost /Acre*: \$893.52

*Selected Replanting Work Items: __TILLING,SEEDING,MULCHING

Initial Job Cost: \$3,672.37

Reseeding Job Cost: \$1,101.71

Total Job Cost: \$4,774

Job Hours: 8.00

SCRAPER TEAM WORK

Task description:	Apply over	burden to pit flo	or			
Site: 31 Road Pit		Permit Action:	2025	Perr	mit/Job#: <u>M198</u>	7178
PROJECT IDEN	FIFICATION					
Task #: 03A	S	State: Colorado		Abbrev	viation: None	
Date: 7/17/20)25 Co	unty: Mesa		Fil	ename: M178-	03a
User: ACY						
Agency or o	organization name:	DRMS				
HOURLY EQUIP	PMENT_		COSTS	hift basis: 1 per d	a <u>y</u>	
		Equipme	ent Description			
			7G w/push-pull			
Cumpo	rt Equipment -Loa		T - 8SU T - 8SU			
Suppo		p Area: Cat Do NA	1 - 850			
Road Ma	intenance –Motor		6M			
	-Water	Truck: Water	Fanker, 3,500 Gal	•		
Cost Breakdown:	Scraper Wo	rk Taom	Support Equi	nmant	Maintenance	Equipment
Cost Breakdown.	Scraper Wo.	Dozer	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	50	NA	100	50
Ownership cost/hour:	\$240.49	\$179.60	\$179.60	NA NA	\$78.02	\$17.97
Operating cost/hour:	\$261.36	\$110.45	\$55.23	NA	\$68.53	\$17.54
%Utilization-ripper:	NA	NA	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Ripper op. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Operator cost/hour:	\$59.78	\$39.46	\$39.46	NA	\$58.07	\$38.35
Unit Subtotals:	\$561.63	\$329.51	\$274.28	NA	\$204.62	\$73.85
Number of Units:	6	6	1	0	1	1
Group Subtotals:	Work:	\$5,346.84	Support:	\$274.28	Maint:	\$278.47
Total work team cost	/hour: \$5,899.59		• •			
MATERIAL QUA	ANTITIES					
Initial volume:	77,762	CCY	Swell fact	tor: 1.125		
Loose volume:	87,482	LCY		-		
	rce of estimated vo					
HOURLY PROD	<u>UCTION</u>					
			Scraper Bo	owl (volume) Basi	is:	

		- · · · · ·		
Material weight:	2,550 lbs/LCY	Struck Volume:	15.70	LCY
Material description:	Earth - Dry packed	Heaped Volume:	22.00	LCY
Rated Payload:	52,800 pounds	Average Volume:	18.85	LCY
Payload Capacity:		Adjusted Capacity:	18.85	LCY

Site Altitude: 4700 feet

\sim	1	- TO 1	
C	zcle	- 11	ime:

 $\begin{array}{lll} \text{Scraper Loading Time:} & \underline{0.90} \text{ Minutes} \\ \text{Maneuver and Spread Time:} & \underline{0.60} \text{ Minutes} \\ \end{array}$

<u>Job Condition Correction:</u>

	Scraper	Push Dozer	Source
Altitude Adj:	1.000	1.000	(CAT HB)
Job Efficiency:	0.830	0.830	(CAT HB)
Net Correction:	0.830	0.830	

Travel Time:

Road Condition: Rutted dirt, little maintenance, no water, 2" tire penetration 5.0

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res	Total Res	Velocity (fpm)	Travel Time (min)
1	650.00	0.00	5.00	5.00	2218	0.46

Haul Time: **0.46** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	650.00	0.00	5.00	5.00	2814	0.38

Return Time: 0.38 minutes

Total Scraper team cycle time: 2.34 minutes

Adjusted for job conditions: 802.33 LCY/Hour Selected Number of Scrapers: 2 Scraper(s)

Adjusted single scraper team (unit) hourly production: 802.33 LCY/Hour Adjusted multiple scraper team (fleet) hourly production: 2,407.00 LCY/Hour

Unadjusted unit production/hour: 966.67 LCY/Hour Optimal Number of Scrapers per push dozer:

JOB TIME AND COST

Fleet size:	3	Team(s)	Total job time:	36.34	Hours
Unit cost:	\$2.451	/LCY	Total job cost:	\$214,420	

SCRAPER TEAM WORK

Task description:	Apply tops	oil to pit fl	oor				
Site: 31 Road Pit		Permit A	Action:	2025	Per	mit/Job#: <u>M198</u>	7178
PROJECT IDEN	<u>TIFICATION</u>						
Task #: 03B	S	state: Co	lorado		Abbre	viation: None	
Date: 7/17/2	025 Cor	inty: Me	esa		Fil	lename: M178-	03b
User: ACY							
Agency or	organization name:	DRMS					
HOURLY EQUIP	PMENT_			COSTSI	nift basis: 1 per d	la <u>y</u>	
		E	quipme	ent Description			
				7G w/push-pull			
Sunna	ort Equipment -Loa			T - 8SU T - 8SU			
Suppo			NA	1 - 650			
Road Ma	intenance –Motor	Grader:	CAT 1				
	-Water	Truck:	Water 7	Γanker, 3,500 Gal	•		
Cost Breakdown:	Scraper Wor	·k Team		Support Equip	ament	Maintenance	Fauinment
Cost Breakdown.	Scraper Wol	Dozei	r	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100		100	50	NA	100	50
Ownership cost/hour:	\$240.49	\$17	79.60	\$179.60	NA	\$78.02	\$17.97
Operating cost/hour:	\$261.36	\$11	0.45	\$55.23	NA	\$68.53	\$17.54
%Utilization-ripper:	NA		NA	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$	0.00	\$0.00	NA	\$0.00	\$0.00
Ripper op. cost/hour:	NA	\$	00.00	\$0.00	NA	\$0.00	\$0.00
Operator cost/hour:	\$59.78	\$3	39.46	\$39.46	NA	\$58.07	\$38.35
Unit Subtotals:	\$561.63	\$32	29.51	\$274.28	NA	\$204.62	\$73.85
Number of Units:	6		6	1	0	1	1
Group Subtotals:	Work:	\$5,346.	84	Support:	\$274.28	Maint:	\$278.47
Total work team cos							
Initial volume:			CCY	Cruall fact	1 215		
Loose volume:	77,117 93,697		CY	Swell fact	or: 1.215		
	-			⇒ 10"			
	arce of estimated vo of estimated swell f		7.8 ac (
HOURLY PROD	<u>UCTION</u>						
				Scraper Bo	owl (volume) Bas	is:	
Material weight:	1,600 lbs/LCY			Struck '	Volume: _15.70	L	CY
Material description:	Top Soil			Heaped			CY
Rated Payload:	52,800 pounds			Average	Volume: 18.85		CY CY
EAVIOAG CADACIIV	17 00 14 1			Annsient	ADACHY IN AT		A . I

Site Altitude: 4700 feet

|--|

<u>Job Condition Correction:</u>

	Scraper	Push Dozer	Source
Altitude Adj:	1.000	1.000	(CAT HB)
Job Efficiency:	0.830	0.830	(CAT HB)
Net Correction:	0.830	0.830	

Travel Time:

Road Condition: Rutted dirt, little maintenance, no water, 2" tire penetration 5.0

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	500.00	0.00	5.00	5.00	2218	0.35

Haul Time: ______ 0.35 ___ minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	500.00	0.00	5.00	5.00	2814	0.32

0.32 minutes Return Time: Total Scraper team cycle time: minutes 2.17 Adjusted for job conditions: 865.19 LCY/Hour Selected Number of Scrapers: Scraper(s) 2 Adjusted single scraper team (unit) hourly production: 865.19 LCY/Hour Adjusted multiple scraper team (fleet) hourly production: 2,595.57 LCY/Hour

Unadjusted unit production/hour: 1,042.40 LCY/Hour Optimal Number of Scrapers per push dozer:

JOB TIME AND COST

Fleet size: _	3	Team(s)	Total job time:	36.10	Hours
Unit cost:	\$2.273	/LCY	Total job cost:	\$212,969	

BULLDOZER RIPPING WORK

Task description	Rip areas under stockpile				
Site: 31 Road Pit	Permit Action	n: <u>2025</u>	Permit	/Job#: <u>M198</u>	7178
PROJECT ID	<u>ENTIFICATION</u>				
Task #:03		lo	Abbrevia		
	17/2025 County: Mesa		Filena	ame: <u>M178-</u>	03c
	CY				
	y or organization name: DRMS				
HOURLY EQ	DUIPMENT COST				
	Machine: Cat D8T - 8SU		Horsepower:	310	
Ripper At	ttachment: 3-Shank Ripper		Shift Basis: Data Source:	1 per day (CRG)	
G . D . 1.1			Data Source:	(CKU)	
Cost Breakdown	<u>1:</u>		Utilization %		
	Ownership Cost/Hour:		NA		
	Operating Cost/Hour:	\$110.45	100		
	per Ownership Cost/Hour: pper Operating Cost/Hour:	\$15.28 \$9.14	NA 100		
Kij	Operator Cost/Hour:	\$39.46	NA		
	Total Unit Cost/Hour:	\$353.93			
	Total Fleet Cost/Hour: \$	707.86			
MATEDIAL					
	<u>QUANTITIES</u>	Selected estimating 1	method: Area		
'					
Alternate Metho	ods:				
Alternate Metho	Bank Volume		BCY	NA	DCV
Alternate Metho	Bank Volume acres Rip Depth (ft)	: 2.00	Volume: 32,26		BCY or
Alternate Metho	Bank Volume	: 2.00	Volume: 32,26		BCY or
Alternate Metho	Bank Volume acres Rip Depth (ft) Source of estimated quantity: Foo	: 2.00	Volume: 32,26		BCY or
Alternate Methoric: NA rea: 10.00	Bank Volume acres Rip Depth (ft) Source of estimated quantity: Foo	: 2.00	Volume: 32,26		BCY or
Alternate Methoric: NA rea: 10.00	Bank Volume acres Rip Depth (ft) Source of estimated quantity: Foo	: 2.00 tprint of stockpile es	Volume: 32,26		BCY or
Alternate Methoric: NA rea: 10.00	Bank Volume acres Rip Depth (ft) Source of estimated quantity: Foo	: 2.00 tprint of stockpile es	Volume: 32,26		BCY or
Alternate Methoric: NA rea: 10.00 HOURLY PR Seismic:	Bank Volume Rip Depth (ft) Source of estimated quantity: Foo CODUCTION Seismic Velocity: Average Ripping Depth:	: 2.00 tprint of stockpile es	Volume: 32,26 stimate feet/second feet/pass		BCY or
Alternate Methoric: NA rea: 10.00 HOURLY PR Seismic:	Bank Volume acres Rip Depth (ft) Source of estimated quantity: Foo CODUCTION Seismic Velocity: Average Ripping Depth: Average Ripping Width:	2.00 tprint of stockpile es NA 2.56 7.08	volume: 32,26 stimate feet/second feet/pass feet/pass		BCY or
Alternate Methoric: NA rea: 10.00 HOURLY PR Seismic:	Bank Volume Rip Depth (ft) Source of estimated quantity: Foo CODUCTION Seismic Velocity: Average Ripping Depth: Average Ripping Width: Average Ripping Length:	: 2.00 tprint of stockpile es	Volume: 32,26 stimate feet/second feet/pass		_ BCY or
Alternate Methoric: NA rea: 10.00 HOURLY PR Seismic:	Bank Volume Rip Depth (ft) Source of estimated quantity: Foo CODUCTION Seismic Velocity: Average Ripping Depth: Average Ripping Width: Average Ripping Length: Average Dozer Speed: Average Maneuver Time:	2.00 tprint of stockpile es NA 2.56 7.08 250.00 88.00 0.25	feet/second feet/pass feet/pass feet/pass feet/minute minutes/pass	7	BCY or
Alternate Methoric: NA rea: 10.00 HOURLY PR Seismic:	Bank Volume Rip Depth (ft) Source of estimated quantity: Foo CODUCTION Seismic Velocity: Average Ripping Depth: Average Ripping Width: Average Ripping Length: Average Dozer Speed:	2.00 tprint of stockpile es NA 2.56 7.08 250.00 88.00	feet/pass feet/pass feet/pass feet/pass feet/pass feet/minute	7	BCY or
Alternate Methornic: NA rea: 10.00 HOURLY PR Seismic: Area:	Bank Volume Rip Depth (ft) Source of estimated quantity: Foo CODUCTION Seismic Velocity: Average Ripping Depth: Average Ripping Width: Average Ripping Length: Average Dozer Speed: Average Maneuver Time:	2.00 tprint of stockpile es NA 2.56 7.08 250.00 88.00 0.25	feet/second feet/pass feet/pass feet/pass feet/minute minutes/pass	7	BCY or
Alternate Methoric: NA rea: 10.00 HOURLY PR Seismic: Area:	Bank Volume Rip Depth (ft) Source of estimated quantity: Foo CODUCTION Seismic Velocity: Average Ripping Depth: Average Ripping Width: Average Ripping Length: Average Dozer Speed: Average Maneuver Time: Production per unit area:	2.00 tprint of stockpile es NA 2.56 7.08 250.00 88.00 0.25 0.789	feet/second feet/pass feet/pass feet/pass feet/minute minutes/pass	7	_ BCY or
Alternate Methoric: NA rea: 10.00 HOURLY PR Seismic: Area:	Bank Volume Rip Depth (ft) Source of estimated quantity:Foo CODUCTION Seismic Velocity: Average Ripping Depth: Average Ripping Width: Average Ripping Length: Average Maneuver Time: Production per unit area: Correction Factors nadjusted Hourly Unit Production:	2.00 tprint of stockpile es NA 2.56 7.08 250.00 88.00 0.25 0.789	feet/second feet/pass feet/pass feet/pass feet/pass feet/minute minutes/pass acres/hour Acres/hr	7	BCY or
Alternate Methoric: NA rea: 10.00 HOURLY PR Seismic: Area:	Bank Volume Rip Depth (ft) Source of estimated quantity: Foo CODUCTION Seismic Velocity: Average Ripping Depth: Average Ripping Width: Average Ripping Length: Average Naneuver Time: Production per unit area: Correction Factors nadjusted Hourly Unit Production: Site Altitude: Altitude Adj:	2.00 tprint of stockpile es NA 2.56 7.08 250.00 88.00 0.25 0.789 0.789 4,700 1.00	feet/pass feet/pass feet/pass feet/pass feet/pass feet/pass feet/pass feet/pass feet/pass feet/hour Acres/hour Acres/hr feet (CAT HB)	57	_ BCY or
Alternate Methoric: NA rea: 10.00 HOURLY PR Seismic: Area:	Bank Volume Rip Depth (ft) Source of estimated quantity: Foo EODUCTION Seismic Velocity: Average Ripping Depth: Average Ripping Width: Average Ripping Length: Average Dozer Speed: Average Maneuver Time: Production per unit area: Correction Factors nadjusted Hourly Unit Production: Site Altitude: Altitude Adj: Job Efficiency:	2.00 tprint of stockpile es NA 2.56 7.08 250.00 88.00 0.25 0.789 4,700 1.00 0.83	feet/second feet/pass feet/pass feet/pass feet/pass feet/pass feet/minute minutes/pass acres/hour Acres/hr feet (CAT HB) (1 shift/day)	57	_ BCY or
Alternate Methoric: NA rea: 10.00 HOURLY PR Seismic: Area:	Bank Volume Rip Depth (ft) Source of estimated quantity: Foo CODUCTION Seismic Velocity: Average Ripping Depth: Average Ripping Width: Average Ripping Length: Average Naneuver Time: Production per unit area: Correction Factors nadjusted Hourly Unit Production: Site Altitude: Altitude Adj:	2.00 tprint of stockpile es NA 2.56 7.08 250.00 88.00 0.25 0.789 0.789 4,700 1.00	feet/pass feet/pass feet/pass feet/pass feet/pass feet/pass feet/pass feet/pass feet/pass feet/hour Acres/hour Acres/hr feet (CAT HB)	57	_ BCY or
Alternate Methoric: NA rea: 10.00 HOURLY PR Seismic: Area:	Bank Volume Rip Depth (ft) Source of estimated quantity: Fool CODUCTION Seismic Velocity: Average Ripping Depth: Average Ripping Width: Average Ripping Length: Average Dozer Speed: Average Maneuver Time: Production per unit area: Correction Factors nadjusted Hourly Unit Production: Site Altitude: Altitude Adj: Job Efficiency: Net Correction: Adjusted Hourly Unit Production: Adjusted Hourly Unit Production:	NA 2.56 7.08 250.00 88.00 0.25 0.789 4,700 1.00 0.83 0.83 on: 0.65	feet/second feet/pass feet/pass feet/pass feet/pass feet/pass feet/pass feet/pass feet/minute minutes/pass acres/hour Acres/hr feet (CAT HB) (1 shift/day) multiplier Acres/hr	57	BCY or
Alternate Methoric: NA rea: 10.00 HOURLY PR Seismic: Area:	Bank Volume Rip Depth (ft) Source of estimated quantity: Foo CODUCTION Seismic Velocity: Average Ripping Depth: Average Ripping Width: Average Ripping Length: Average Dozer Speed: Average Maneuver Time: Production per unit area: Correction Factors nadjusted Hourly Unit Production: Site Altitude: Altitude Adj: Job Efficiency: Net Correction:	NA 2.56 7.08 250.00 88.00 0.25 0.789 4,700 1.00 0.83 0.83 on: 0.65	feet/second feet/pass feet/pass feet/pass feet/pass feet/pass feet/pass feet/pass feet/pass feet/minute minutes/pass acres/hour Acres/hr feet (CAT HB) (1 shift/day) multiplier	57	_ BCY or
Alternate Methoric: NA rea: 10.00 HOURLY PR Seismic: Area:	Bank Volume Rip Depth (ft) Source of estimated quantity: Foo CODUCTION Seismic Velocity: Average Ripping Depth: Average Ripping Width: Average Ripping Length: Average Dozer Speed: Average Maneuver Time: Production per unit area: Correction Factors nadjusted Hourly Unit Production: Site Altitude: Altitude Adj: Job Efficiency: Net Correction: Adjusted Hourly Unit Production: Adjusted Hourly Unit Production:	NA 2.56 7.08 250.00 88.00 0.25 0.789 4,700 1.00 0.83 0.83 on: 0.65	feet/second feet/pass feet/pass feet/pass feet/pass feet/pass feet/pass feet/pass feet/minute minutes/pass acres/hour Acres/hr feet (CAT HB) (1 shift/day) multiplier Acres/hr	57	BCY or
Alternate Methornic: NA rea: 10.00 HOURLY PR Seismic: Area: Job Condition C	Bank Volume Rip Depth (ft) Source of estimated quantity: Foo CODUCTION Seismic Velocity: Average Ripping Depth: Average Ripping Width: Average Ripping Length: Average Dozer Speed: Average Maneuver Time: Production per unit area: Correction Factors nadjusted Hourly Unit Production: Site Altitude: Altitude Adj: Job Efficiency: Net Correction: Adjusted Hourly Unit Production: Adjusted Hourly Unit Production:	NA 2.56 7.08 250.00 88.00 0.25 0.789 4,700 1.00 0.83 0.83 on: 0.65	feet/second feet/pass feet/pass feet/pass feet/pass feet/minute minutes/pass acres/hour Acres/hr feet (CAT HB) (1 shift/day) multiplier Acres/hr Acres/hr	57	BCY or

REVEGETATION WORK

31 Road Pit	Permit Action: <u>2025</u> Permit/Job#			#: <u>M1987178</u>		
ROJECT IDENTIFICA	TION					
Task #: 02D	State:	Colorado		Ah	breviation:	None
Date: 7/17/2025	County:	Mesa			Filename:	M178-02d
User: ACY		111000		<u> </u>	_	11170 020
Agency or organizat	ion name: DR	MS				
CRTILIZING						
<u>iterials</u>		Units /				
Description		Acre	Unit	Cos	st / Unit	Cost /Acre
				\$		\$
						Ψ
				To	tal Fertilizer	
					Materials	
					Cost/Acre	\$0.00
plication Description						Cost /Acre
plication Description						Cost /Acre
		Total	Fertilizer	Applicatio	on Cost/Acre	
		Total	Fertilizer	Applicatio	on Cost/Acre	\$
Description LLING		Total	Fertilizer	Applicatio	on Cost/Acre	\$ \$0.00
Description LLING Description	MFANS 32 91 13		Fertilizer	Applicatio	on Cost/Acre	\$ \$0.00 Cost /Acre
Description LLING	MEANS 32 91 13		Fertilizer	Applicatio	on Cost/Acre	\$ \$0.00
Description LLING Description	MEANS 32 91 13				on Cost/Acre	\$ \$0.00 Cost /Acre
Description LLING Description	MEANS 32 91 13					\$ \$0.00 Cost /Acre \$114.13
Description LLING Description Disc harrowing, 6" deep (Mathematical Eding)	MEANS 32 91 13				ng Cost/Acre	\$0.00 Cost /Acre \$114.13 \$114.13
Description LLING Description Disc harrowing, 6" deep (N	MEANS 32 91 13			Fotal Tillin	ng Cost/Acre	\$ \$0.00 Cost /Acre \$114.13
Description LLING Description Disc harrowing, 6" deep (Mathematical Eding)	MEANS 32 91 13			Fotal Tillin	Seeds	\$0.00 Cost /Acre \$114.13 \$114.13
Description LLING Description Disc harrowing, 6" deep (No. 1997) EDING Seed Mix				Rate – PLS LBS / Acre	Seeds per SQ. FT	\$0.00 Cost /Acre \$114.13 \$114.13
Description LLING Description Disc harrowing, 6" deep (No. 1) EDING Seed Mix Indian Ricegrass - Paloma				Rate – PLS LBS / Acre 2.26	Seeds per SQ. FT	\$0.00 Cost /Acre \$114.13 \$114.13 Cost /Acre
Description LLING Description Disc harrowing, 6" deep (Mathematical Eding)				Rate – PLS LBS / Acre 2.26 1.26	Seeds per SQ. FT 7.32 5.79	\$0.00 Cost /Acre \$114.13 \$114.13 Cost /Acre \$47.51 \$7.08
Description LLING Description Disc harrowing, 6" deep (No. 1) EDING Seed Mix Indian Ricegrass - Paloma				Rate – PLS LBS / Acre 2.26	Seeds per SQ. FT	\$0.00 Cost /Acre \$114.13 \$114.13 Cost /Acre
Description LLING Description Disc harrowing, 6" deep (No. 1) EDING Seed Mix Indian Ricegrass - Paloma Crested Wheatgrass - Ephr				Rate – PLS LBS / Acre 2.26 1.26	Seeds per SQ. FT 7.32 5.79	\$0.00 Cost /Acre \$114.13 \$114.13 Cost /Acre \$47.51 \$7.08

Application

Description		Cost /Acre
Broadcast seeding [DMG]		\$279.08
	Total Seed Application Cost/Acre	\$279.08

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$4.44	\$4.44
Total Mulch Materials Cost/Acre				\$4.44

Application

Description		Cost /Acre
Weed spray, truck, non-aquatic area, nox. [DMG]		\$249.08
	Total Mulch Application Cost/Acre	\$249.08

NURSERY STOCK PLANTING

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

JOB TIME AND COST

No. of Acres: 4.11 Cost /Acre: \$893.52

Estimated Failure Rate: 30% Cost /Acre*: \$893.52

*Selected Replanting Work Items: __TILLING,SEEDING,MULCHING

Initial Job Cost: \$3,672.37

Reseeding Job Cost: \$1,101.71

Total Job Cost: \$4,774

Job Hours: 8.00

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: Ini	tial Mobilization				
Site: 31 Road Pit	Permit	t Action:	Permit	/Job#: <u>M1987178</u>	
PROJECT IDENTIFICATI	<u>ION</u>				
Task #: 04A	State: C	olorado	Abbreviation	n: None	
Date: 7/17/2025 User: ACY	County: N	lesa	Filenam	e: M178-04a	
Agency or organization	n name: DRMS	S			
EQUIPMENT TRANSPOR	T RIG COST				
			Shift basis:	1 per day	
			Cost Data Source:	CRG Data	
Truck Tractor Desc	eription: GENI		AY TRUCK TRACTOR, 6X 400 HP (2ND HALF, 2006)	4, DIESEL POWERED,	
Truck Trailer Desc	cription:		IG GOOSENECK, DROP D	ECK EQUIPMENT	
	TRAILER (25T, 50T, AND 100T)				
Cost Breakdown:					
Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons		
Ownership Cost/Hour:	\$21.47	\$38.32	\$48.96		
Operating Cost/Hour:	\$31.47	\$60.11	\$65.86		
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52		
Helper Cost/Hour:	\$0.00	\$22.25	\$22.25		

NON ROADABLE EQUIPMENT:

Total Unit Cost/Hour:

\$75.46

Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return Trip	DOT Permit
Description	Unit	Cost/hr/ unit	Cost/hr/uni	Size	Cost/hr/	Cost/hr/ fleet	Cost/ fleet
	(TONS)		t		fleet		
Cat D8T - 8SU	47.71	\$179.60	\$143.20	6	\$1,936.80	\$859.20	\$250.00
Cat 627G w/push-	43.48	\$240.49	\$143.20	6	\$2,302.14	\$859.20	\$500.00
pull							
CAT 16M	28.73	\$78.02	\$143.20	1	\$221.22	\$143.20	\$250.00
Drill/Broadcast	25.00	\$5.99	\$75.46	1	\$81.45	\$75.46	\$250.00
Seeder with							
Tractor							

\$143.20

\$159.59

Subtotals: \$4,541.61 \$1,937.06 \$1,250.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 1 T. Crew	\$141.71	1	\$141.71	\$141.71
Light Duty Pickup, 4x4, 1 T. Crew	\$86.86	2	\$173.72	\$173.72

Subtotals:	\$315.43	\$315.43

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: GRAND JUNCTION,

Total one-way travel distance:

Average Travel Speed:

CO

10.00

miles

40.00

mph

\$14,822.56

Total Non-Roadable Mob/Demob Cost *

'* two round trips with haul rig: Total Roadable Mob/Demob Cost **

** one round trip, no haul rig: \$157.72

<u>Transportation Cycle Time:</u>

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

JOB TIME AND COST

Total job time: 3.00 Hours

Total job cost: \$14,980

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: Se	econdary Mobiliza	ation		
te: 31 Road Pit	Permi	t Action: 2025	Permit/Jo	ob#: <u>M1987178</u>
PROJECT IDENTIFICAT	<u> TION</u>			
Task #: 04B	State: C	Colorado	Abbreviation:	None
Date: 7/17/2025 User: ACY	County: N	Mesa	Filename:	M178-04b
Agency or organizati	on name: DRM	S		
EQUIPMENT TRANSPO	RT RIG COST			
			Shift basis:	1 per day
			Cost Data Source:	CRG Data
Truck Tractor De	scription: GEN	ERIC ON-HIGHW	AY TRUCK TRACTOR, 6X4,	DIESEL POWERED.
	1		400 HP (2ND HALF, 2006)	,
Truck Trailer De	scription:	GENERIC FOLDIN	IG GOOSENECK, DROP DE	CK EQUIPMENT
		TR	AILER (25T, 50T, AND 100T	")
Cost Breakdown:				
Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons	
Ownership Cost/Hour:	\$21.47	\$38.32	\$48.96	
Operating Cost/Hour:	\$31.47	\$60.11	\$65.86	
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52	
Helper Cost/Hour:	\$0.00	\$22.25	\$22.25	
Total Unit Cost/Hour:	\$75.46	\$143.20	\$159.59	

NON ROADABLE EQUIPMENT:

Machine Description	Weight/ Unit (TONS)	Owner ship Cost/hr/ unit	Haul Rig Cost/hr/uni t	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Drill/Broadcast Seeder with Tractor	25.00	\$5.99	\$75.46	1	\$81.45	\$75.46	\$250.00

Subtotals: \$81.45 \$75.46 \$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	\$141.71	1	\$141.71	\$141.71
Light Duty Pickup, 4x4, 1 T.	\$86.86	1	\$86.86	\$86.86
Crew				

Subtotals: \$228.57 \$228.57

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: GRAND JUNCTION,

CO Total one-way travel distance: 10.00 miles Average Travel Speed: 40.00mph

\$741.36

Total Non-Roadable Mob/Demob Cost *

** two round trips with haul rig:

Total Roadable Mob/Demob Cost **

\$114.29 ** one round trip, no haul rig:

<u>Transportation Cycle Time:</u>

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

JOB TIME AND COST

Total job time:	3.00	Hours