COST SUMMARY WORK

Task desc	ription:	2022 Update			
Site: Shale C	Core 2020-03	Permit Ac	etion: 2022	Permit/Job	p#: P2021003
PROJEC'	Γ IDENTIFIC	CATION			
Task # Date		State: Color County: Rio F	rado Blanco	Abbreviation: Filename:	None M003-ACY
User	ACY				

TASK LIST (DIRECT COSTS)

Task		Form	Fleet	Task	
Task	Description	Used	Size	Hours	Cost
01a	Backfill/Grade Pad	DOZER	1	1.37	\$233
02a	Backfill/Grade Pit	DOZER	1	0.43	\$74
03a	Decompact	RIPPER	1	0.45	\$82
04a	Apply Topsoil	DOZER	1	0.77	\$131
05a	Reveg	REVEGE	1	5.00	\$1,221
06a	Remove Exclusion Fence	DEMOLISH	1	8.00	\$2,658
10a	Initial Mobilization	MOBILIZE	1	9.00	\$2,980
10b	Secondary Mobilization	MOBILIZE	1	3.50	\$142
		<u>SUBTO</u>	TALS:	28.52	\$7,521

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$152
Performance bond:	1.05	Total =	\$79
Job superintendent:	0.00	Total =	\$0
Profit:	10.00	Total =	\$752

TOTAL O & P = \$983 CONTRACT AMOUNT (direct + O & P) = \$8,504

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):

Engineering work and/or contract/bid preparation:

Reclamation management and/or administration:

\$0\$

0.00

Total = \$0\$

\$0\$

\$0\$

\$0\$

\$0\$

CONTINGENCY: 3.00 Total = \$226

TOTAL INDIRECT COST = \$1,209

TOTAL BOND AMOUNT (direct + indirect) = \$8,730

BULLDOZER WORK

Task description:	Backfill/Grade Pad			
: Shale Core 2020-03	Permit Action:	2022	Permit/Job#:	P2021003
PROJECT IDENTIFI	<u>CATION</u>			
Task #: 01A	State: Colorado		Abbreviation:	None
Date: 6/22/2022	County: Rio Blanco		Filename:	P003-01a
User: ACY				
Agency or organ	ization name: DRMS			
HOURLY EQUIPME	NT COST			
Basic Machine: Cat	D6T XL			
Horsepower: 185	BOTTE	=		
<u></u>	ni-Universal	=		
Attachment: NA		_		
Shift Basis: 1 pe	r day	=		
Data Source: (CR	G)	_		
Cost Breakdown:				
Cost Breaker III.		<u>Utilization %</u>		
Ownership Cost/Hour:	\$64.38	NA		
Operating Cost/Hour:	\$64.62	100		
Ripper own. Cost/Hour:	\$0.00	NA		
Ripper op. Cost/Hour:	\$0.00	0		
0		NA		
Operator Cost/Hour:	\$41.30	11/1		
<u>-</u>		IVA		
Total unit Cost/Hour:	\$170.30	IVA		
<u>-</u>				
Total unit Cost/Hour: Total Fleet Cost/Hour:	\$170.30 \$170.30			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT	\$170.30 \$170.30			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: _ 300	\$170.30 \$170.30 ITIES			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 300 Swell factor: 1.000	\$170.30 \$170.30 ITIES			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: _ 300	\$170.30 \$170.30 ITIES			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 300 Swell factor: 1.000 Loose volume: 300 I	\$170.30 \$170.30 ITIES			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 300 Swell factor: 1.000 Loose volume: 300 I Source of estimated volume	\$170.30 \$170.30 ITIES D. CCY The: Pad Drawing			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 300 Swell factor: 1.000 Loose volume: 300 I	\$170.30 \$170.30 ITIES D. CCY The: Pad Drawing			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 300 Swell factor: 1.000 Loose volume: 300 I Source of estimated volum Source of estimated swell	\$170.30 \$170.30 ITIES CCY ne: Pad Drawing factor: Cat Handbook			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 300	\$170.30 \$170.30 ITIES CY ne: Pad Drawing factor: Cat Handbook			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 300 Swell factor: 1.000 Loose volume: 300 I Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance:	\$170.30 \$170.30 ITIES CCY ne: Pad Drawing Cat Handbook ION 50 feet			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 300	\$170.30 \$170.30 ITIES CCY ne: Pad Drawing Cat Handbook ION 50 feet			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 300 Swell factor: 1.000 Loose volume: 300 I Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance:	\$170.30 \$170.30 \$170.30 ITIES D. CCY ne:			
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Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 300 Swell factor: 1.000 Loose volume: 300 I Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly produc	\$170.30 \$170.30 \$170.30 ITIES D.CCY ne: Pad Drawing Cat Handbook ION 50 feet 444.6 LCY/hr cription: Partly consolidated s			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 300 Swell factor: 1.000 Loose volume: 300 I Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly produc Materials consistency desc.	\$170.30 \$170.30 \$170.30 ITIES D.CY ne: Pad Drawing Cat Handbook ION 50 feet 444.6 LCY/hr cription: Partly consolidated s 0 %			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 300	\$170.30 \$170.30 \$170.30 ITIES Description:			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 300 Swell factor: 1.000 Loose volume: 300 I Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly produc Materials consistency desc Average push gradient: Average site altitude: Material weight: Weight description:	\$170.30 \$170.30 \$170.30 ITIES Description:	tockpile 1.1		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 300 Swell factor: 1.000 Loose volume: 300 I Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency desc Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction	\$170.30 \$170.30 \$170.30 ITIES D	tockpile 1.1		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 300 Swell factor: 1.000 Loose volume: 300 I Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency desc Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operator S	\$170.30 \$170.30 \$170.30 ITIES Description:	tockpile 1.1 Source (AVG.)		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 300 Swell factor: 1.000 Loose volume: 300 I Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency desc Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction	\$170.30 \$170.30 \$170.30 ITIES D	tockpile 1.1		

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: 0.4941

Adjusted unit production: 219.68 LCY/hr
Adjusted fleet production: 219.68 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.775/LCY

Total job time: 1.37 Hours
Total job cost: \$233

BULLDOZER WORK

Task description:	Backt	IIII/Graue Fil	•			
Shale Core 2020	-03	Perm	it Action: _	2022	Permit/Job#:	P2021003
PROJECT IDEN	TIFICATIO)N				
Task #: 02A		State:	Colorado		Abbreviation:	None
Date: 6/22/2	2022	County:	Rio Blanco		Filename:	P003-02a
User: ACY		, <u> </u>			-	
Agency or	organization r	name: DRM	MS			
HOURLY EQUI						
	Cat D6T XL	<u>-</u>				
Basic Machine: Horsepower:	185	4		_		
Blade Type:	Semi-Unive	real		_		
Attachment:	NA	1541		=		
Shift Basis:	1 per day			_		
Data Source:	(CRG)			_		
	(CITO)			_		
Cost Breakdown:			į.	TT: 11		
Overnanshin Cost/II			\$64.29	<u>Utilization %</u>		
Ownership Cost/H Operating Cost/H			\$64.38 \$64.62	NA 100		
Ripper own. Cost/H			\$0.00	100 NA		
Rippei own. Cost/fi			\$0.00	0		
Pinner on Cost/H			ψ0.00	<u> </u>		
Ripper op. Cost/H			¢41.20	N.T.A		
Operator Cost/H Total unit Cost/Hou Total Fleet Cost/Hou	our: \$170.3 ur: \$170.3		\$41.30	NA		
Operator Cost/H Total unit Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume:	our: \$170.3 ur: \$170.3 ANTITIES 95		\$41.30	NA		
Operator Cost/H Total unit Cost/Hou Total Fleet Cost/Hou MATERIAL QU	our: \$170.3 ur: \$170.3 ANTITIES		\$41.30	NA		
Operator Cost/H Total unit Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume: Swell factor:	our: r: \$170.3 ur: \$170.3 ANTITIES 95 1.000 95 LCY volume:		 ng	NA		
Operator Cost/H Total unit Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated	our: \$170.3 r: \$170.3 \$170.3 ANTITIES 95 1.000 95 LCY volume: swell factor:	Pad Drawi	 ng	NA		
Operator Cost/H Total unit Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated	our: r: \$170.3 ur: \$170.3 ANTITIES 95 1.000 95 LCY volume: swell factor:	Pad Drawi	 ng	NA NA		
Operator Cost/H Total unit Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD	our: \$170.3 \$17	Pad Drawi Cat Handb	 ng ook	NA		
Operator Cost/H Total unit Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distant	our: r: \$170.3 ur: \$170.3 ANTITIES 95 1.000 95 LCY volume: swell factor: DUCTION ace: oroduction:	Pad Drawi Cat Handb 50 feet 444.6 LCY/h	 ng ook			
Operator Cost/H Total unit Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distant Unadjusted hourly p	r: \$170.3 r: \$170.3 ur: \$170.3 ANTITIES 95 1.000 95 LCY volume: swell factor: PUCTION ace: production:	Pad Drawi Cat Handb 50 feet 444.6 LCY/h Partly co	ng ook			
Operator Cost/H Total unit Cost/Hou Total Fleet Cost/Hou Total Fleet Cost/Hou MATERIAL QU 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	our: r: \$170.3 ur: \$170.3 ANTITIES 95 1.000 95 LCY volume: swell factor: DUCTION ace: broduction: cy description: ent: 0 % 8,393	Pad Drawi Cat Handb 50 feet 444.6 LCY/h	- - ng ook			
Operator Cost/H Total unit Cost/Hou Total Fleet Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distant Unadjusted hourly pu Materials consistence Average push gradie Average site altitude	our: \$170.3 \$17	Pad Drawi Cat Handb 50 feet 444.6 LCY/h Partly co	- - ng ook			
Operator Cost/H Total unit Cost/Hou Total Fleet Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distant Unadjusted hourly p Materials consistence Average push gradie Average site altitude Material weight: Weight description: Job Condition Corre	our: r: \$170.3 170.3	Pad Drawi Cat Handb 50 feet 444.6 LCY/h Partly co feet lbs/LCY - Dry packed	ng ook r onsolidated s	tockpile 1.1		
Operator Cost/H Total unit Cost/Hou Total Fleet Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distant Unadjusted hourly p Materials consistence Average push gradie Average site altitude Material weight: Weight description: Job Condition Correct Open	our: \$170.3 \$17	Pad Drawi Cat Handb 50 feet 444.6 LCY/h Partly co feet lbs/LCY - Dry packed 0.7	ng ook r onsolidated s	tockpile 1.1 Source (AVG.)		
Operator Cost/H Total unit Cost/Hou Total Fleet Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distant Unadjusted hourly p Materials consistence Average site altitude Material weight: Weight description: Job Condition Correct Oper Material co	our: \$170.3 \$17	Pad Drawi Cat Handb 50 feet 444.6 LCY/h Partly co feet lbs/LCY - Dry packed	ng ook r onsolidated s	tockpile 1.1		

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: 0.4941

Adjusted unit production: 219.68 LCY/hr
Adjusted fleet production: 219.68 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.775/LCY

Total job time: 0.43 Hours
Total job cost: \$74

BULLDOZER RIPPING WORK

		Task description:	Deco	mpact				
Task #: 03A	Site:	Shale Core 20	20-03	Permit Action:	2022	Permit/Joba	#: <u>P202100</u>	3
Date		PROJECT IDI	ENTIFICATION ENTIF	<u>ON</u>				
Date		Task #: 03/	A	State: Colorado		Abbreviation:	None	
Note					0			
Basic Machine: Cat D6T XL Horsepower: 185				, <u> </u>			-	
Basic Machine: Cat D6T XL Horsepower: 185 1 per day Data Source: (CRG)		Agency	or organization	name: DRMS				
Ripper Attachment: 3-Shank Ripper		HOURLY EQ	UIPMENT CO	<u>OST</u>				
Data Source: CRG		Basic 1	Machine: Cat	D6T XL		Horsepower:	185	
Cost Breakdown:		Ripper Att	achment: 3-S	hank Ripper		Shift Basis: 1	per day	
Ownership Cost/Hour: S64.38 NA Operating Cost/Hour: S64.62 100						Data Source:	(CRG)	
Ownership Cost/Hour: S64.38 NA Operating Cost/Hour: S64.62 100		Cost Breakdown:	:					
Operating Cost/Hour:			_					
Ripper Ownership Cost/Hour: \$5.99 NA								
Ripper Operating Cost/Hour:		ъ.						
Operator Cost/Hour: \$41.30 NA								
Total Unit Cost/Hour: \$180.59 Total Fleet Cost/Hour: \$180.59 MATERIAL QUANTITIES Selected estimating method: Area		Кірр						
Total Fleet Cost/Hour: \$180.59						IVA		
MATERIAL QUANTITIES Selected estimating method: Area					\$100.59			
Alternate Methods: Smic: NA			Total Fleet Co	st/Hour: \$18	0.59			
Alternate Methods: Semic: NA		MATERIAL C	<u>UANTITIES</u>	Sele	ected estimating	g method: Area		
Area: 0.21		Alternate Method	ls:		·			
Area: 0.21	ismic:	NA		Bank Volume:	NA	BCY	NA	
Seismic: Seismic Velocity: NA feet/second	Area:	0.21	acres	Rip Depth (ft):	2.00	Volume: 678		BCY or
Seismic: Seismic Velocity: NA feet/second			Source of estin	nated quantity: NOI A	nn			
Seismic: NA feet/second Area: Average Ripping Depth: 1.64 feet/pass feet/pass feet/pass feet/pass feet/pass feet/pass feet/pass feet/pass Average Ripping Length: 50.00 feet/pass feet/minute feet/minut		HOUDI V DD			rr			
Seismic Velocity: NA feet/second Area: Average Ripping Depth: 1.64 feet/pass feet/pass feet/pass feet/pass feet/pass feet/pass Average Ripping Length: 50.00 feet/pass Average Dozer Speed: 88.00 feet/mass Average Maneuver Time: 0.25 minutes/pass production per unit area: 0.554 acres/hour Iob Condition Correction Factors Unadjusted Hourly Unit Production: 0.554 Acres/hr Site Altitude: 8,363 feet Altitude Adj: 1.00 (CAT HB) Job Efficiency: 0.83 (1 shift/day) Net Correction: 0.83 multiplier Adjusted Hourly Unit Production: 0.46 Acres/hr Adjusted Hourly Fleet Production: 0.46 Acres/hr JOB TIME AND COST Fleet size: 1 Grader(s) Total job time: 0.46 Hours		HOURLY PRO	<u>JDUCTION</u>					
Area: Average Ripping Depth: 1.64 feet/pass Average Ripping Width: 6.58 feet/pass Average Ripping Length: 50.00 feet/pass Average Dozer Speed: 88.00 feet/minute Average Maneuver Time: 0.25 minutes/pass Production per unit area: 0.554 acres/hour Job Condition Correction Factors		Seismic:	,		27.1			
Average Ripping Depth: Average Ripping Width: Average Ripping Length: 50.00 feet/pass Average Dozer Speed: 88.00 feet/minute Average Maneuver Time: O.25 minutes/pass Production per unit area: Unadjusted Hourly Unit Production: Site Altitude: Altitude Adj: Job Efficiency: Net Correction: Adjusted Hourly Unit Production: O.83 Miltiplier Adjusted Hourly Unit Production: O.83 Miltiplier Adjusted Hourly Unit Production: O.84 Acres/hr Adjusted Hourly Unit Production: O.85 Acres/hr Adjusted Hourly Unit Production: O.86 Acres/hr Adjusted Hourly Fleet Production: O.46 Acres/hr JOB TIME AND COST Fleet size: I Grader(s) Total job time: O.46 Hours			S	Seismic Velocity:	NA	feet/second		
Average Ripping Width: Average Ripping Length: Average Pipping Length: Average Dozer Speed: Average Maneuver Time: O.25 minutes/pass Production per unit area: Unadjusted Hourly Unit Production: Site Altitude: Altitude Adj: Altitude Adj: Indo (CAT HB) Job Efficiency: Net Correction: Adjusted Hourly Unit Production: O.83 (1 shift/day) Net Correction: Adjusted Hourly Unit Production: O.46 Acres/hr Adjusted Hourly Fleet Production: O.46 Acres/hr Adjusted Hourly Fleet Production: JOB TIME AND COST Fleet size: I Grader(s) Total job time: O.46 Hours		Area:						
Average Ripping Length: 50.00 feet/pass Average Dozer Speed: 88.00 feet/minute Average Maneuver Time: 0.25 minutes/pass Production per unit area: 0.554 acres/hour Job Condition Correction Factors Unadjusted Hourly Unit Production: 0.554 Acres/hr Site Altitude: 8,363 feet Altitude Adj: 1.00 (CAT HB) Job Efficiency: 0.83 (1 shift/day) Net Correction: 0.83 multiplier Adjusted Hourly Unit Production: 0.46 Acres/hr Adjusted Hourly Fleet Production: 0.46 Acres/hr JOB TIME AND COST Fleet size: 1 Grader(s) Total job time: 0.46 Hours								
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Production per unit area: 0.554 acres/hour Job Condition Correction Factors Unadjusted Hourly Unit Production: 0.554 Acres/hr Site Altitude: 8,363 feet Altitude Adj: 1.00 (CAT HB) Job Efficiency: 0.83 (1 shift/day) Net Correction: 0.83 multiplier Adjusted Hourly Unit Production: 0.46 Acres/hr Adjusted Hourly Fleet Production: 0.46 Acres/hr JOB TIME AND COST Fleet size: 1 Grader(s) Total job time: 0.46 Hours								
Unadjusted Hourly Unit Production: 0.554 Acres/hr Site Altitude: 8,363 feet Altitude Adj: 1.00 (CAT HB) Job Efficiency: 0.83 (1 shift/day) Net Correction: 0.83 multiplier Adjusted Hourly Unit Production: 0.46 Acres/hr Adjusted Hourly Fleet Production: 0.46 Acres/hr Adjusted Hourly Fleet Production: 0.46 Hours JOB TIME AND COST Fleet size: 1 Grader(s) Total job time: 0.46 Hours			_					
Unadjusted Hourly Unit Production: Site Altitude: Altitude Adj: Job Efficiency: Net Correction: Adjusted Hourly Unit Production: Adjusted Hourly Unit Production: Adjusted Hourly Fleet Production: D.46 Acres/hr Adjusted Hourly Fleet Production: D.46 Acres/hr Adjusted Hourly Fleet Production: D.46 Acres/hr Acres/hr Adjusted Hourly Fleet Production: D.46 Acres/hr Acres/hr Adjusted Hourly Fleet Production: D.46 Acres/hr Acres/hr Acres/hr Adjusted Hourly Fleet Production: D.46 Acres/hr Acres/hr Acres/hr		Island and the same			0.554	acres/flour		
Site Altitude: Altitude Adj: Job Efficiency: Net Correction: Adjusted Hourly Unit Production: Adjusted Hourly Fleet Production: Adjusted Hourly Fleet Production: O.46 Acres/hr Acres/hr Acres/hr Acres/hr Acres/hr Fleet size: I Grader(s) Total job time: 0.46 Hours			_		0.554			
Altitude Adj: 1.00 (CAT HB) Job Efficiency: 0.83 (1 shift/day) Net Correction: 0.83 multiplier Adjusted Hourly Unit Production: 0.46 Acres/hr Adjusted Hourly Fleet Production: 0.46 Acres/hr JOB TIME AND COST Fleet size: 1 Grader(s) Total job time: 0.46 Hours		Un	adjusted Hourly			Acres/hr		
Job Efficiency: 0.83 (1 shift/day) Net Correction: 0.83 multiplier Adjusted Hourly Unit Production: 0.46 Acres/hr Adjusted Hourly Fleet Production: 0.46 Acres/hr JOB TIME AND COST Fleet size: 1 Grader(s) Total job time: 0.46 Hours								
Net Correction: 0.83 multiplier Adjusted Hourly Unit Production: 0.46 Acres/hr Adjusted Hourly Fleet Production: 0.46 Acres/hr JOB TIME AND COST Fleet size: 1 Grader(s) Total job time: 0.46 Hours								
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Adjusted Hourly Fleet Production: 0.46 Acres/hr JOB TIME AND COST Fleet size: 1 Grader(s) Total job time: 0.46 Hours					0.83			
JOB TIME AND COST Fleet size: 1 Grader(s) Total job time: 0.46 Hours								
Fleet size: 1 Grader(s) Total job time: 0.46 Hours			Adjusted I	Hourly Fleet Production:	0.46	Acres/hr		
<u> </u>		JOB TIME AN	ID COST					
Unit cost: \$392.831 Per acre Total job cost: \$82		Fleet size:	1	Grader(s)	Total job tin	ne: 0.46	Ноі	ırs
		Unit cost:	\$392.831	Per acre	Total iob co	ost: \$82		

BULLDOZER WORK

		y Topsoil				
Shale Core 2020)-03	Per	mit Action:	2022	Permit/Job#:	P2021003
PROJECT IDEN	NTIFICATIO	<u>ON</u>				
Task #: 04A Date: 6/22/2 User: ACY	2022	State: County:	Colorado Rio Blanco)	Abbreviation: Filename:	None P003-04a
Agency or	organization	name: DF	RMS			
HOURLY EQUI	PMENT CO	<u>OST</u>				
Basic Machine:	Cat D6T XI			<u> </u>		
Horsepower:	185			<u> </u>		
Blade Type: Attachment:	Semi-Unive NA	rsal		_		
Shift Basis:	1 per day			_		
Data Source:	(CRG)			_		
				<u> </u>		
Cost Breakdown:			ĺ	<u>Utilization %</u>		
Ownership Cost/H	lour.		\$64.38	NA		
Operating Cost/H			\$64.62	100		
Ripper own. Cost/H			\$0.00	NA		
Ripper op. Cost/H			\$0.00	0		
Operator Cost/H			\$41.30	NA		
MATERIAL QU Initial Volume:						
Swell factor:	205					
Swell factor: Loose volume:	1.000 205 LCY					
=	1.000 205 LCY I volume:	Pad Draw Cat Hand				
Loose volume: Source of estimated	1.000 205 LCY l volume: l swell factor:					
Loose volume: Source of estimated Source of estimated	1.000 205 LCY I volume: I swell factor: DUCTION nce:		book			
Loose volume: Source of estimated Source of estimated HOURLY PROI Average push distant	1.000 205 LCY I volume: I swell factor: DUCTION nce: production:	Cat Hand 50 feet 444.6 LCY	book	stockpile 1.1		
Loose volume: Source of estimated Source of estimated HOURLY PROI Average push distar Unadjusted hourly p	1.000 205 LCY I volume: I swell factor: DUCTION nce: production: cy description: ent: 0 %	Cat Hand 50 feet 444.6 LCY	book /hr	stockpile 1.1		
Loose volume: Source of estimated Source of estimated HOURLY PROI Average push distar Unadjusted hourly p Materials consistent Average push gradi	1.000 205 LCY I volume: I swell factor: DUCTION nce: production: cy description: ent: e: 0 % 8,393	Cat Hand 50 feet 444.6 LCY	book /hr	stockpile 1.1		
Loose volume: Source of estimated Source of estimated HOURLY PROI Average push distart Unadjusted hourly p Materials consistent Average push gradi Average site altitud	1.000 205 LCY I volume: I swell factor: DUCTION nce: production: cy description: ent: e: 0 % 8,393 2,100	Cat Hand 50 feet 444.6 LCY Partly of	book /hr	stockpile 1.1		
Loose volume: Source of estimated Source of estimated HOURLY PROI Average push distant Unadjusted hourly p Materials consistent Average push gradi Average site altitud Material weight: Weight description: Job Condition Corre	1.000 205 LCY I volume: I swell factor: DUCTION nce: production: cy description: ent: e: 3.393 2,100 Earth ection Factor	Cat Hand 50 feet 444.6 LCY/ Partly of feet lbs/LCY - Loam	book /hr consolidated	Source		
Loose volume: Source of estimated Source of estimated Source of estimated HOURLY PROI Average push distart Unadjusted hourly particular Consistence Average push gradic Average site altitude Material weight: Weight description: Job Condition Corrections	1.000 205 LCY I volume: I swell factor: DUCTION nce: production: cy description: ent: e:	Cat Hand 50 feet 444.6 LCY Partly of feet lbs/LCY - Loam 0.	book /hr	Source (AVG.)		
Loose volume: Source of estimated Source of estimated Source of estimated HOURLY PROI Average push distart Unadjusted hourly properties of the Materials consistent Average push gradic Average site altitude Material weight: Weight description: Job Condition Corresponding Correspo	1.000 205 LCY I volume: I swell factor: DUCTION nce: production: cy description: ent: e: 3.393 2,100 Earth ection Factor	Cat Hand 50 feet 444.6 LCY Partly of feet lbs/LCY - Loam 0.	/hr consolidated	Source		

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: 0.5998

Adjusted unit production: 266.67 LCY/hr
Adjusted fleet production: 266.67 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.639/LCY

Total job time: 0.77 Hours
Total job cost: \$131

REVEGETATION WORK

	ask description:	Reveg				
te: Shale Core 2020-03		Permit Action: 2022		Permit/Job#: P2021003		
<u>PR</u>	OJECT IDENTIFIC	<u>CATION</u>				
	Task #: 05A	State:	Colorado		Abbreviation:	None
			Rio Blanco		Filename:	P003-05a
	Agency or organi	zation name: DR	RMS			
FΕ	RTILIZING					
	nterials		Unite /			
			Units / Acre	Unit	Cost / Unit	Cost /Acre
	terials			Unit	Cost / Unit	Cost /Acre
	terials			Unit		\$

TILLING

Description Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)		Cost /Acre \$114.56
Else harrowing, o' deep (MELING 32 31 13:23 0100)	Total Tilling Cost/Acre	\$114.56

Total Fertilizer Application Cost/Acre

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Lupine, Silky	3.48	1.97	\$242.21
Slender Wheatgrass - Native	5.80	21.17	\$26.83
Milk Vetch, Cicer - Lutana	3.00	9.99	\$24.60
Western Wheatgrass - Rosanna	7.42	18.74	\$42.67
Prairie Junegrass	1.18	62.72	\$30.68
Serviceberry	3.38	6.21	\$207.87
Snowberry, Mountain	3.18	5.48	\$160.59
Penstemon, Rocky Mountain	0.92	14.42	\$27.14
		140.69	\$762.58

\$0.00

	Totals Seed Mix	28.36	
A	pplication		

Description		Cost /Acre
Broadcast seeding [DMG]		\$267.22
	Total Seed Application Cost/Acre	\$267.22

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$2.98	\$2.98
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$307.02	\$614.04
Total Mulch Materials Cost/Acre				\$617.02

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$71.57
Hand spread, 1" deep (MEANS 32 91 13.16 0200)		\$3,630.00
Weed spray, hand, non-aquatic area, nox. [DMG]		\$183.16
	Total Mulch Application Cost/Acre	\$3,884.73

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
		Totals 1	Nursery Stoc	k Cost / Acre	\$0.00

JOB TIME AND COST

 No. of Acres:
 0.21
 Cost /Acre:
 \$5,646.11

 Estimated Failure Rate:
 3%
 Cost /Acre*:
 \$5,646.11

*Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: \$1,185.68

Reseeding Job Cost: \$35.57

Total Job Cost: \$1,221

Job Hours: 5.00

DEMOLITION WORK

Task descript	ion: Remo	ove Exclusion Fence				
Site: Shale Core	2020-03	Permit Action: 2022		Per	mit/Job#:	P2021003
PROJECT IDENT	<u>IFICATION</u>					
Task #: 06A Date: 6/22/2022 User: ACY Agence		State: Colorado punty: Rio Blanco me: DRMS		Abbreviati Filenar		
UNIT COSTS				Location	adjustment	<u>: 90.70 %</u>
Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Wire Fence	1776	Fencing, barbed wire, - 3 strand	1,776.00	LF	\$1.65	\$2,930.40
.Job Hours:	8.00	Subtotal (unadjusted): \$2.	930.40	(adju	tal Cost sted for cation):	\$2,657.87

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: <u>Ini</u>	tial Mobilization			
e: Shale Core 2020-03	Permit	Action: 2022	Permit/Jo	b#: P2021003
PROJECT IDENTIFICATI	<u>ON</u>			
Task #: 10A Date: 6/22/2022 User: ACY		olorado io Blanco	Abbreviation: Filename:	None P003-10a
Agency or organization	n name: DRMS	S		
EQUIPMENT TRANSPOR	T RIG COST			
				1 per day CRG Data
Truck Tractor Desc	ription: GENF	ERIC ON-HIGHW	AY TRUCK TRACTOR, 6X4, 400 HP (2ND HALF, 2006)	DIESEL POWERED
Truck Trailer Desc	ription: C		NG GOOSENECK, DROP DEC RAILER (25T, 50T, AND 100T)	•
Cost Breakdown:				
Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons	
Ownership Cost/Hour:	\$21.28	\$37.94	\$47.67	
Operating Cost/Hour:	\$26.55	\$50.48	\$56.21	

NON ROADABLE EQUIPMENT:

Total Unit Cost/Hour:

Operator Cost/Hour:

Helper Cost/Hour:

\$20.54

\$0.00

\$68.37

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 D6T XL	25.01	\$70.37	\$68.37	1	\$138.74	\$68.37	\$250.00
Drill/Broadcast	25.00	\$7.98	\$68.37	1	\$76.35	\$68.37	\$250.00
Seeder with							
Tractor							

\$20.54

\$23.53

\$132.49

\$20.54

\$23.53

\$147.95

Subtotals: \$215.09 \$136.74 \$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	\$50.30	1	\$50.30	\$50.30
Light Duty Pickup, 4x4, 3/4 T.	\$40.61	1	\$40.61	\$40.61

Subtotals:	\$90.91	\$90.91

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:

Total one-way travel distance:

Average Travel Speed:

RIFILE, CO
miles
40.00
mph

Total Non-Roadable Mob/Demob Cost *
 '* two round trips with haul rig:
 Total Roadable Mob/Demob Cost **
 ** one round trip, no haul rig:

\$2,661.59

\$318.19

Transportation Cycle Time:

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	1.75	1.75
Return Time (Hours):	1.75	1.75
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	4.50	3.50

JOB TIME AND COST

Total job cost: 9.00 Hours

Total job cost: \$2,980

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: ite: Shale Core 2020-03		Secondary Mobilization				
		Permit Action:		2022	Permit/Job#: P2021003	
<u>PI</u>	ROJECT IDENTIFIC	<u>CATION</u>				
	Task #: 10B Date: 6/22/2022 User: ACY	Sta)	Abbreviation: Filename:	None P003-10b
	Agency or organi	zation name:	DRMS			
	QUIPMENT TRANS			-HIGHWA		1 per day CRG Data DIESEL POWERED,
	Truck Trailer	Description:	GENERIC	FOLDING	00 HP (2ND HALF, 2006) G GOOSENECK, DROP DEC JILER (25T, 50T, AND 100T)	-
<u>Cc</u>	ost Breakdown:	-		TIC	MEER (231, 301, 7110 1001)	<u> </u>
	Available Rig Capacities	s 0-25 T	Tons 26-50	Tons	51+ Tons	
	Ownership Cost/Ho	our: \$21.	28 \$37	7.94	\$47.67	
	Operating Cost/Ho	our: \$26.	55 \$50).48	\$56.21	
	Operator Cost/Ho	s20	54 \$20) 54	\$20.54	

NON ROADABLE EQUIPMENT:

Total Unit Cost/Hour:

Helper Cost/Hour:

\$0.00

\$68.37

Machine Weight/ Description 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
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\$23.53

\$147.95

\$23.53

\$132.49

Subtotals: \$0.00 \$0.00 \$0.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 3/4 T.	\$40.61	1	\$40.61	\$40.61

Subtotals: \$40.61 \$40.61

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:

Total one-way travel distance:

Average Travel Speed:

RIFILE, CO

miles

70.00

mph

Transportation Cycle Time:

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	1.75	1.75
Return Time (Hours):	1.75	1.75
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	4.50	3.50

JOB TIME AND COST

Total job cost: 3.50 Hours

Total job cost: \$142