COST SUMMARY WORK

Т	ask descrip	otion:	2022 Update				
Site:	Shale Co	re 2020-01	Pe	rmit Action:	2022	Permit/Job	p#: P2021002
<u>PI</u>	ROJECT	IDENTIFIC	CATION				
	Task #:	ACY	State:	Colorado		Abbreviation:	None
	Date:	6/22/2022	County:	Rio Blanco	I	Filename:	P002-ACY
	User:	ACY					
	Age	ency or organi	zation name:	RMS			

TASK LIST (DIRECT COSTS)

Task		Form	Fleet	Task	
1 ask	Description	Used	Size	Hours	Cost
01a	Backfill/Grade Pad	DOZER	1	1.14	\$194
02a	Backfill/Grade Pit	DOZER	1	0.41	\$69
03a	Decompact	RIPPER] 1	0.41	\$75
04a	Apply topsoil	DOZER] 1	1.39	\$238
05a	Reveg	REVEGE] 1	5.00	\$1,468
06a	Remove Exclusion Fence	DEMOLISH] 1	8.00	\$802
10a	Initial Mobilization	MOBILIZE	1	9.00	\$2,980
10b	Secondary Mobilization	MOBILIZE	1	3.50	\$142
		<u>SUBTO</u>	TALS:	28.85	\$5,968

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$121
Performance bond:	1.05	Total =	\$63
Job superintendent:	0.00	Total =	\$0
Profit:	10.00	Total =	\$597
		TOTAL O & P =	\$780
		CONTRACT AMOUNT (direct + $O \& P$) =	\$6,748

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	\$0	Total =	\$0
Engineering work and/or contract/bid preparation:	0.00	Total =	\$0
Reclamation management and/or administration:	0.00		\$0
CONTINGENCY:	3.00	Total =	\$179
	TOTAL	NDIRECT COST =	\$959
TOTAL BO	ND AMOUNT (direct + indirect) =	\$6,927

Page 1 of 2

BULLDOZER WORK

Task description:	Backfill/Grade Page 1	ad			
Shale Core 2020-01	Perr	nit Action:	2022	Permit/Job#:	P2021002
PROJECT IDENTIF	ICATION				
Task #: 01A	State:	Colorado		Abbreviation:	None
Date: $6/22/2022$	County:	Rio Blanco)	Filename:	P002-01a
User: ACY					
Agency or organ	nization name: DR	MS			
HOURLY EQUIPME	<u>ENT COST</u>				
Basic Machine:Cat	D6T XL				
Horsepower: 185					
••	ni-Universal		_		
Attachment: NA					
	er day				
Data Source: (CF	(G)		_		
Cost Breakdown:					
			Utilization %		
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		
Operator Cost/Hour:		\$41.30	NA		
Total Fleet Cost/Hour:	\$170.30				
MATERIAL QUANT					
MATERIAL QUANT Initial Volume: 250	<u>ITIES</u>				
MATERIAL QUANT Initial Volume: 250 Swell factor: 1.000	ITIES 0				
MATERIAL QUANT Initial Volume: 250	ITIES 0				
MATERIAL QUANT Initial Volume: 250 Swell factor: 1.00	ITIES 0 LCY	 ing			
MATERIAL QUANTInitial Volume:250Swell factor:1.000Loose volume:250	TTIES 0 LCY ne: Pad Draw				
MATERIAL QUANT Initial Volume: 250 Swell factor: 1.00 Loose volume: 250 Source of estimated volum Source of estimated swell	TTIES 0 LCY ne: Pad Draw factor: Cat Handl				
MATERIAL QUANT Initial Volume: 250 Swell factor: 1.00 Loose volume: 250 Source of estimated volur swell Source of estimated swell HOURLY PRODUCT	TTIES 0 LCY ne: Pad Draw factor: Cat Handl				
MATERIAL QUANT Initial Volume: 250 Swell factor: 1.00 Loose volume: 250 Source of estimated volum Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance:	TTIES 0 LCY ne: <u>Pad Draw</u> factor: <u>Cat Handl</u> TION _50 feet	book			
MATERIAL QUANT Initial Volume: 250 Swell factor: 1.00 Loose volume: 250 Source of estimated volur swell Source of estimated swell HOURLY PRODUCT	TTIES 0 LCY ne: <u>Pad Draw</u> factor: <u>Cat Handl</u> TION _50 feet	book			
MATERIAL QUANT Initial Volume: 250 Swell factor: 1.00 Loose volume: 250 Source of estimated volum Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance:	ITIES 0 LCY ne: Pad Draw factor: Cat Handle CION Stion: 50 feet 2tion: 444.6 LCY/	book	stockpile 1.1		
MATERIAL QUANT Initial Volume: 250 Swell factor: 1.00 Loose volume: 250 Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product	ITIES 0 LCY ne: Pad Draw factor: Cat Handle CION Stion: 50 feet 2tion: 444.6 LCY/	hr	stockpile 1.1		
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MATERIAL QUANT Initial Volume: 250 Swell factor: 1.000 Loose volume: 250 Source of estimated volum Source of estimated volum Source of estimated volum Materials consistency des Average push gradient: Average site altitude: Material weight:	TTIES 0 LCY ne: Pad Draw factor: Cat Handle CION cription: 444.6 LCY// cription: Partly c 0 % 8,560 feet 2,550 lbs/LCY Earth - Dry packed	hr onsolidated s			
MATERIAL QUANT Initial Volume: 250 Swell factor: 1.000 Loose volume: 250 Source of estimated volum Source of estimated volum Source of estimated volum Materials consistency des Average push distance: Unadjusted hourly product Materials consistency des Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operator 3	TTIES 0 LCY ne: Pad Draw factor: Cat Handle CION cription: 50 feet cription: Partly c 0 % 8,560 feet 2,550 lbs/LCY Earth - Dry packed Factor Skill: 0.'	hr onsolidated s	Source (AVG.)		
MATERIAL QUANT Initial Volume: 250 Swell factor: 1.000 Loose volume: 250 Source of estimated volum Source of estimated volum Source of estimated volum Materials consistency des Average push distance: Unadjusted hourly product Materials consistency des Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operator S Material consistence	TTIES 0 LCY ne: Pad Draw factor: Cat Handle CION Cription: 50 feet	hr onsolidated s	Source (AVG.) (CAT HB)		
MATERIAL QUANT Initial Volume: 250 Swell factor: 1.000 Loose volume: 250 Source of estimated volum Source of estimated volum Source of estimated volum Materials consistency des Average push distance: Unadjusted hourly product Materials consistency des Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operator	ITIES 0 LCY ne: Pad Draw factor: Cat Handle CION ction: 50 feet ction: 444.6 LCY// cription: Partly c 0 % 8,560 feet 2,550 lbs/LCY Earth - Dry packed Factor Skill: 0.7 Skill: 0.7 ency: 1.1	hr onsolidated s	Source (AVG.)		

Job efficiency:		0.830	(1 SHIFT/DAY)
Spoil pile: Push gradient: Altitude: Material Weight: Blade type:		0.800	(FND-RF)
		1.000	(CAT HB)
		1.000	(CAT HB)
		0.902	(CAT HB)
		1.000	(PAT)
Net correction	on:	0.4941	
Adjusted unit production:	21	9.68 LCY/hr	
5 1		9.68 LCY/hr	
	-		

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

Total job time:	1.14 Hours
Total job cost:	\$194

BULLDOZER WORK

Task description:	Backfill/Grade	Pit			
Shale Core 2020-01	Per	rmit Action:	2022	Permit/Job#:	P2021002
PROJECT IDENTIF	ICATION				
Task #: 02A Date: 6/22/2022 User: ACY	State: County:	Colorado Rio Blanco)	Abbreviation: Filename:	None P002-02a
Agency or organ	nization name: <u>D</u>	RMS			<u> </u>
HOURLY EQUIPME	ENT COST				
	D6T XL				
Horsepower: 185					
	ni-Universal		_		
Attachment: NA					
	er day				
Data Source: (CF	(U)		_		
Cost Breakdown:					
			Utilization %		
Ownership Cost/Hour:		\$64.38	NA		
		\$64.62	100		
Operating Cost/Hour:		¢0.00	NA		
Operating Cost/Hour: Ripper own. Cost/Hour:		\$0.00	INA		
		\$0.00	0		
Ripper own. Cost/Hour: Ripper op. Cost/Hour: Operator Cost/Hour: Fotal unit Cost/Hour: Fotal Fleet Cost/Hour:	\$170.30 \$170.30				
Ripper own. Cost/Hour: Ripper op. Cost/Hour: Operator Cost/Hour: Fotal unit Cost/Hour: Fotal Fleet Cost/Hour: MATERIAL QUANT	\$170.30	\$0.00	0		
Ripper own. Cost/Hour: Ripper op. Cost/Hour: Operator Cost/Hour: Fotal unit Cost/Hour: Fotal Fleet Cost/Hour: MATERIAL QUANT Initial Volume: <u>89</u>	\$170.30 <u>TTIES</u>	\$0.00	0		
Ripper own. Cost/Hour: Ripper op. Cost/Hour: Operator Cost/Hour: Fotal unit Cost/Hour: Fotal Fleet Cost/Hour: MATERIAL QUANT	\$170.30 TTIES 0	\$0.00	0		
Ripper own. Cost/Hour: Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 89 Swell factor: 1.00 Loose volume: 89 L Source of estimated volum Source of estimated swell	\$170.30 TTIES 0 CY me: Pad Drav I factor: Cat Hand	\$0.00 \$41.30	0		
Ripper own. Cost/Hour: Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 89 Swell factor: 1.00 Loose volume: 89 L Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance:	\$170.30 ITIES 0 .CY me: Pad Drawner 1 factor: Cat Handree CION 50 feet	\$0.00 \$41.30	0		
Ripper own. Cost/Hour: Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 89 Swell factor: 1.00 Loose volume: 89 Source of estimated volu Source of estimated swell HOURLY PRODUCT	\$170.30 TTIES 0 CY me: Pad Drav 1 factor: Cat Hand CION 50 feet	\$0.00 \$41.30	0		
Ripper own. Cost/Hour: Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 89 Swell factor: 1.00 Loose volume: 89 L Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance:	\$170.30 TTIES 0 CY me: Pad Draw 1 factor: Cat Hand FION ction: 50 feet ction: 444.6 LCY	\$0.00 \$41.30	0 NA		
Ripper own. Cost/Hour: Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 89 Swell factor: 1.00 Loose volume: 89 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly produc	\$170.30 TTIES 0 CY me: Pad Draw 1 factor: Cat Hand FION ction: 50 feet ction: 444.6 LCY	\$0.00 \$41.30 wing dbook	0 NA		
Ripper own. Cost/Hour: Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: <u>89</u> Swell factor: <u>1.00</u> Loose volume: <u>89 L</u> Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency des Average push gradient:	\$170.30 TTIES 0 CY ne: Pad Dray 1 factor: Cat Hand FION ction: 50 feet ction: 444.6 LCY scription: Partly 0 %	\$0.00 \$41.30 wing dbook	0 NA		
Ripper own. Cost/Hour: Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 89 Swell factor: 1.00 Loose volume: 89 Source of estimated volue Source of estimated volue Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency des Average push gradient: Average site altitude:	\$170.30 TTIES 0 CY me: Pad Dravent 1 factor: Cat Hand FION ction: 50 feet ction: 444.6 LCY scription: Partly 0 % 8,560 feet	\$0.00 \$41.30 wing dbook	0 NA		
Ripper own. Cost/Hour: Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 89 Swell factor: 1.00 Loose volume: 89 L Source of estimated volur Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly produc Materials consistency des Average push gradient: Average site altitude: Material weight: Weight description: Iob Condition Correction	\$170.30 TTIES 0 CY me: Pad Dray 1 factor: Cat Hand FION ction: 50 feet ction: 444.6 LCY scription: Partly 0 % 8,560 feet 2,550 lbs/LCY Earth - Dry packet Factor Factor	\$0.00 \$41.30 wing dbook	0 NA 		
Ripper own. Cost/Hour: Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 89 Swell factor: 1.00 Loose volume: 89 L Source of estimated volur Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly produc Materials consistency des Average push gradient: Average site altitude: Material weight: Weight description: Iob Condition Correction Operator 5	\$170.30 TTIES 0 .CY me: Pad Dray 1 factor: Cat Hand TION ction: 50 feet ction: 444.6 LCY scription: Partly 0 % 8,560 feet 2,550 lbs/LCY Earth - Dry packet Factor Skill: 0	\$0.00 \$41.30 	0 NA 		
Ripper own. Cost/Hour: Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 89 Swell factor: 1.00 Loose volume: 89 Swell factor: 89 Swell factor: 1.00 Loose volume: 89 Source of estimated volum Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency des Average push gradient: Average site altitude: Material weight: Weight description: <u>Iob Condition Correction</u> Operator 5 Material consistency	\$170.30 TTIES 0 CY me: Pad Dray 1 factor: Cat Hand TION ction: 50 feet ction: 444.6 LCY scription: Partly 0 % 8,560 feet 2,550 lbs/LCY Earth - Dry packet Factor Skill: 0 Skill: 0 0 Skill: 0 0 1 0 0 8 1 0 1 1 1	\$0.00 \$41.30 wing dbook	0 NA 		
Ripper own. Cost/Hour: Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 89 Swell factor: 1.00 Loose volume: 89 L Source of estimated volum Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency des Average push gradient: Average site altitude: Material weight: Weight description: Iob Condition Correction Operator 3 Material consistency des Material consistency for a second Source of estimated succes Source of estimated swell Material consistency des Material consistency for a second Operator 3 Material consistency for a second Noterial consistency for a second Source of estimated swell Material consistency des Material consistency for a second Material cond Material consistency for a second Material cond Material cond Material cond Material cond Material cond Material cond Material cond Material cond Material cond Material	\$170.30 TTIES 0 CY me: Pad Dray 1 factor: Cat Hand CION ction: 50 feet ction: 444.6 LCY scription: Partly 0 % 8,560 feet 2,550 lbs/LCY Earth - Dry packet Factor Skill: 0 scription: 1	\$0.00 \$41.30 	0 NA 		

Job efficiency	0.830	(1 SHIFT/DAY)
Spoil pile	0.800	(FND-RF)
Push gradien	t: 1.000	(CAT HB)
Altitude	2: 1.000	(CAT HB)
Material Weigh	t: 0.902	(CAT HB)
Blade type	e: 1.000	(PAT)
Net correction	n:0.4941	
Adjusted unit production:	219.68 LCY/hr	
Adjusted fleet production:	219.68 LCY/hr	

	1 Dozer(s) \$0.775/LCY
Total job time:	0.41 Hours

rotar job time.	U.41 HOUIS
Total job cost:	\$69

BULLDOZER RIPPING WORK

	Task description:	Decompact							
Site	: Shale Core 20	020-01	Permit Action:	2022	Permit	/Job#: <u>P202100</u>	02		
	PROJECT ID	ENTIFICATION							
	Task #: 03.		ate: Colorado		Abbrevia				
	Date: 6/2 User: AC	22/2022 Cou CY	nty: <u>Rio Blanco</u>	•	Filena	ame: <u>P002-03a</u>	L		
	Agency	or organization name:	DRMS						
	HOURLY EQ	UIPMENT COST							
	Basic Ripper Att	Machine: Cat D6T X achment: 3-Shank R			Horsepower: Shift Basis: Data Source:	185 1 per day (CRG)			
	Cost Breakdown	:				× /			
		-			Utilization %				
		Ownership Cost/Hou		\$64.38	NA				
	Dinn	Operating Cost/Hour er Ownership Cost/Hour		\$64.62 \$5.99	100 NA				
		per Operating Cost/Hou		\$3.99	100				
	Kipj	Operator Cost/Hou		\$41.30	NA				
		Total Unit Cost/Hour		\$180.59					
		Total Fleet Cost/Hour	r: \$180	.59					
	MATERIAL (<u>DUANTITIES</u>	Sele	cted estimating	method: Area				
	Alternate Method	<u>ls:</u>		C					
Seismic:	NA		Bank Volume:	NA	BCY	NA			
Area:	0.19	acres	Rip Depth (ft):	2.00	Volume: 613		BCY or CC		
	Source of estimated quantity: NOI App								
	HOURLY PR	ODUCTION							
	Seismic:								
	<u>Beisinie.</u>	Seismic	Velocity:	NA	feet/second				
			·						
	Area:	Augraga Dinni	ng Donthy	1.64	faat/pass				
		Average Rippi Average Rippi		6.58	feet/pass feet/pass				
		Average Rippin		50.00	feet/pass				
		Average Doz		88.00	feet/minute				
		Average Maneu		0.25	minutes/pass				
		Production per		0.554	acres/hour				
	Job Condition Correction Factors								
	Un	adjusted Hourly Unit Pr	oduction:	0.554	Acres/hr				
			Altitude:	8,560	feet				
			itude Adj:	1.00	(CAT HB)				
			fficiency:	0.83	(1 shift/day)				
		Net C	orrection:	0.83	multiplier				
		Adjusted Hourly Adjusted Hourly		0.46	Acres/hr Acres/hr				
	JOB TIME AND COST								
	Fleet size:	1 Grade	er(s)	Total job tim	e: 0.41	Но	urs		
	Unit cost:	\$392.831 Per a	cre	Total job cos	st: \$75				

Page 1 of 2

BULLDOZER WORK

Task description:	Apply topsoil				
Shale Core 2020-01	Peri	mit Action:	2022	Permit/Job#:	P2021002
PROJECT IDENTIF	ICATION				
Task #: 04A	State:	Colorado		Abbreviation:	None
Date: $6/22/2022$	County:	Rio Blanco		Filename:	P002-04a
User: ACY	County.	Rio Dianeo		i nename.	1002-044
Agency or organ	nization name: DR	RMS			
HOURLY EQUIPME	<u>ENT COST</u>				
	D6T XL		_		
Horsepower: 185			_		
	ni-Universal		_		
Attachment: NA			_		
	er day		_		
Data Source: (CF	RG)		_		
Cost Breakdown:		T			
o o		• • • • • •	<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		
Operator Cost/Hour:		\$41.30	NA		
Total Fleet Cost/Hour:	\$170.30 \$170.30 ITIES				
Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUANT</u> Initial Volume: <u>372</u> Swell factor: <u>1.00</u>	\$170.30 TTIES 0				
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: <u>372</u>	\$170.30 TTIES 0				
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 372 Swell factor: 1.00	\$170.30 TTIES 0 LCY	 /ing			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 372 Swell factor: 1.00 Loose volume: 372 Source of estimated volumed	\$170.30 TTIES 0 LCY ne: Pad Draw				
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 372 Swell factor: 1.00 Loose volume: 372 Source of estimated volum Source of estimated swell	\$170.30 TTIES 0 LCY ne: <u>Pad Draw</u> factor: <u>Cat Hand</u>				
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 372 Swell factor: 1.00 Loose volume: 372 Source of estimated volumed	\$170.30 TTIES 0 LCY ne: <u>Pad Draw</u> factor: <u>Cat Hand</u>				
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 372 Swell factor: 1.00 Loose volume: 372 Source of estimated volur 301 Source of estimated swell HOURLY PRODUCT Average push distance: 100	\$170.30 TTIES 0 LCY ne: Pad Draw 1 factor: Cat Hand <u>CION</u> 50 feet	book			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 372 Swell factor: 1.00 Loose volume: 372 Source of estimated volum Source of estimated swell HOURLY PRODUCT	\$170.30 TTIES 0 LCY ne: Pad Draw 1 factor: Cat Hand <u>CION</u> 50 feet	book			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 372 Swell factor: 1.00 Loose volume: 372 Source of estimated volur 3012 Source of estimated swell HOURLY PRODUCT Average push distance: 100	\$170.30 ITIES 0 LCY ne: Pad Draw factor: Cat Hand Image: 50 feet ction: 444.6 LCY/	book	 .ockpile 1.1		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 372 Swell factor: 1.00 Loose volume: 372 Source of estimated volu Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency dest	\$170.30 ITIES 0 LCY ne: Pad Draw factor: Cat Hand FION ction: 50 feet ction: 444.6 LCY/ cription: Partly c	book	 ockpile 1.1		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 372 Swell factor: 1.00 Loose volume: 372 Source of estimated volu 300 Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product	\$170.30 ITIES 0 LCY ne: Pad Draw factor: Cat Hand Image: 50 feet ction: 444.6 LCY/	book	 ockpile 1.1		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 372 Swell factor: 1.00 Loose volume: 372 Source of estimated volu Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency dest Average push gradient:	\$170.30 ITIES 0 LCY ne: Pad Draw factor: Cat Hand FION ction: 50 feet ction: 444.6 LCY/ cription: Partly c 0 %	book	 .ockpile 1.1		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 372 Swell factor: 1.00 Loose volume: 372 Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency des Average push gradient: Average site altitude:	\$170.30 ITIES 0 LCY ne: Pad Draw factor: Cat Hand FION ction: 50 feet ction: 444.6 LCY/ cription: Partly c 0 % 8,560 feet	book	 .ockpile 1.1		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 372 Swell factor: 1.00 Loose volume: 372 Source of estimated volum Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency dest Average push gradient: Average site altitude: Material weight: Weight description:	\$170.30 ITIES 0 LCY ne: Pad Draw factor: Cat Hand FION ction: 50 feet ction: 444.6 LCY/ cription: Partly c 0 % 8,560 feet 2,100 lbs/LCY Earth - Loam	book			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 372 Swell factor: 1.00 Loose volume: 372 Source of estimated volu 300 Source of estimated volu 300 Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency des Average site altitude: Material weight: Material weight:	\$170.30 ITIES 0 LCY ne: Pad Draw factor: Cat Hand If ION ction: 50 feet ction: 444.6 LCY/ cription: Partly c 0 % 8,560 feet 2,100 lbs/LCY Earth - Loam Factor Factor	book			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 372 Swell factor: 1.00 Loose volume: 372 Source of estimated volum Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency dest Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction	\$170.30 TTIES 0 LCY ne: Pad Draw factor: Cat Hand Control Cat Hand Contregree Con	/hr consolidated st	Source		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 372 Swell factor: 1.00 Loose volume: 372 Source of estimated volum Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency dest Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operator 3	\$170.30 ITIES 0 LCY ne: Pad Draw factor: Cat Hand Ifactor: $Cat Hand$ Construction: 50 feet ction: 444.6 LCY/ ccription: Partly construction 0 % 8,560 feet 2,100 lbs/LCY Earth - Loam Factor Skill: 0. ency: 1.	book 'hr consolidated st ' 750	Source (AVG.)		

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:	1.095	(CAT HB)
Blade type:	1.000	(PAT)
Net correction:	0.5998	
Adjusted unit production: 20	56.67 LCY/hr	
Adjusted fleet production: 2	66.67 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$0.639/LCY
tol ich time	1 20 Hours

Total job time:	1.39 Hours
Total job cost:	\$238

REVEGETATION WORK

ob#: P2021002
P002-05a
1: 2:

FERTILIZING

Materials

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

Application

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

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$114.56
Total Tilling Cost/Acre	\$114.56

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

Totals Seed Mix 28.36

Application

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 2	Nursery Stoc	ek Cost / Acre	\$0.00

No. of Acres:	0.2	Cost /Acre:	\$5,646.11	
Estimated Failure Rate:	30%	Cost /Acre*:	\$5,646.11	
*Selected Replanting Work Items:	TILLING,SEEDIN	G,MULCHING		
Initial Job Cost: \$1,129.22				

Reseeding Job Cost:	\$338.77
Total Job Cost:	\$1,468
Job Hours:	5.00

DEMOLITION WORK

r.	Fask description	n: Remov	e Exclusion Fence						
Site:	Shale Core 20	020-01	Permit Action: 2022 Permit/Job#: P2021002						
PROJE	CT IDENTIF	ICATION							
Task #:	06A	St	tate: Colorado			Abbreviati	on: 1	None	
Date:	6/22/2022	Cou	nty: Rio Blanco			Filenar	ne: I	2002-06a	
User:	ACY		•						
	Agency	or organization name	e: DRMS						
<u>UNIT CO</u>	<u>DSTS</u>					Location	adjustr	nent: 90.70 %	
10 12 17 17 17	re or Item cription	Dimensions	Demolition Mer Selection	ıu	Quantity	Unit	Unit Cost	Total Cost	
Wire Fen	ce	536	Fencing, barbed wire	e, - 3	536.00	LF	\$1.65	\$884.40	

				Total Cost	
		Subtotal		(adjusted for	
Job Hours:	8.00	(unadjusted):	\$884.40	location):	\$802.15

strand

EQUIPMENT MOBILIZATION/DEMOBILIZATION

InterfaceWeightOwner sinpInterfaceInterfaceInterfaceInterfaceCost/hr/InterfaceCost/hr/InterfaceCost/hr/InterfaceCost/hr/InterfaceCost/fleet <th< th=""><th>Task description:</th><th>Init</th><th>ial Mobilization</th><th></th><th></th><th></th><th></th><th></th></th<>	Task description:	Init	ial Mobilization					
Task #: 10A State: Colorado Abbreviation: None Date: 6/22/2022 County: Rio Blanco Filename: P002-10a User: ACY Acry Agency or organization name: DRMS EQUIPMENT TRANSPORT RIG COST Shift basis: 1 per day Cost Data Source: CRG Data Truck Tractor Description: GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWERED, 400 HP (2ND HALF, 2006) Truck Trailer Description: GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT TRAILER (25T, 50T, AND 100T) Cost Breakdown: S20.54 \$37.94 \$47.67 Operating Cost/Hour: \$22.53 \$50.48 \$56.21 Operating Cost/Hour: \$20.54 \$20.54 \$20.54 Helper Cost/Hour: \$68.37 \$132.49 \$147.95 NON ROADABLE EQUIPMENT: Machine Weight/ Owner ship \$68.37 \$132.49 \$147.95 Obscription 10nit Cost/hr/urit \$68.37 \$132.49 \$147.95 Operator Cost/Hour: \$20.54 \$20.54 \$20.54 \$20.54 <t< th=""><th>: Shale Core 20</th><th>20-01</th><th>Permit</th><th>Action: 2022</th><th></th><th> 1</th><th>Permit/Job#:</th><th>P2021002</th></t<>	: Shale Core 20	20-01	Permit	Action: 2022		1	Permit/Job#:	P2021002
Date: $6/22/2022$ ACYCounty: $Rio Blanco$ Filename: $P002-10a$ User: ACY Agency or organization name:DRMSEOUIPMENT TRANSPORT RIG COSTShift basis: 1 per day Cost Data Source: $CRG Data$ Truck Tractor Description:GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWERED, 400 HP (2ND HALF, 2006)Truck Trailer Description:GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT TRAILER (25T, 50T, AND 100T)Cost Breakdown:Available Rig Capacities $0-25 \text{ Tons}$ $26-50 \text{ Tons}$ $51+ \text{ Tons}$ $0perating Cost/Hour:$20.54$20.54$20.54Ownership Cost/Hour:$20.54$20.54$20.54Operating Cost/Hour:$20.54$20.54$20.54Operating Cost/Hour:$20.54$20.54Operator Cost/Hour:$20.54$20.54Ost/Hour:$20.54$20.54Operator Cost/Hour:$20.54$20.54Operating Cost/Hour:$20.54$20.54Operating Cost/Hour:$20.54$20.54Cost/hr/ InitCost/hr/ InitOwner shipHaul RigCost/hr/ InitCost/hr/ InitCost/hr/ InitOwner shipCost/hr/ InitCost/hr/ InitDOT PermitCost/hr/ InitCost/hr/ InitCost/hr/ I$	PROJECT IDE	NTIFICATI	<u>ON</u>					
User: \underline{ACY} Agency or organization name:DRMSEQUIPMENT TRANSPORT RIG COSTShift basis: $\underline{1 \text{ per day}}$ Cost Data Source:Cost Data Source: $\underline{1 \text{ per day}}$ CRG DataTruck Tractor Description:GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWERED, 400 HP (2ND HALF, 2006)Truck Trailer Description:GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT TRAILER (25T, 50T, AND 100T)Cost Breakdown:Available Rig Capacities0-25 Tons26-50 Tons51+ Tons 447.67Ownership Cost/Hour:\$20.54\$20.54\$20.54Operator Cost/Hour:\$20.54\$20.54\$20.54Helper Cost/Hour:\$20.00\$23.53\$23.53Total Unit Cost/Hour:\$68.37\$132.49\$147.95NON ROADABLE EQUIPMENT:Machine DescriptionWeight/ Unit (TONS)Owner ship Cost/hr/ unit <br< th=""><th>Task #: 104</th><th>A</th><th>State: Co</th><th>olorado</th><th></th><th>Abbre</th><th>viation: Nor</th><th>ne</th></br<>	Task #: 104	A	State: Co	olorado		Abbre	viation: Nor	ne
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EQUIPMENT TRANSPORT RIG COSTShift basis: 1 per day Cost Data Source: CRG DataTruck Tractor Description: GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWERED, 400 HP (2ND HALF, 2006)Truck Trailer Description: GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT TRAILER (25T, 50T, AND 100T)Cost Breakdown:Available Rig Capacities $0-25$ Tons $26-50$ Tons $51+$ Tons 0 ovnership Cost/Hour: $$21.28$ $$37.94$ $$47.67$ 0 operating Cost/Hour: $$20.54$ $$20.64$ $$20.54$ $$20.64$ $$20.64$ $$20.64$ $$20.64$ <td>User: AC</td> <td>Y</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	User: AC	Y						
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Machine DescriptionWeight/ Unit (TONS)Owner ship Cost/hr/ unitHaul Rig Cost/hr/unitFleet SizeHaul Trip Cost/hr/ fleetReturn Trip Cost/hr/ fleetDOT Permit Cost/fleetCat D6T XL25.01\$70.37\$68.371\$138.74\$68.37\$250.00Drill/Broadcast Seeder with Tractor25.00\$7.98\$68.371\$76.35\$68.37\$250.00								
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Description Unit (TONS) Cost/hr/unit t Cost/hr/unit t Size Cost/hr/ fleet Cost/fleet	Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return Trip	DOT Permit
r (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 reaction reaction reaction reaction reaction reaction reaction reaction reaction \$68.37 \$68.37 \$68.37 \$68.37 \$250.00 \$7.98 \$68.37 \$68.3								Cost/ fleet
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Seeder with Tractor	Cat D6T XL		\$70.37	\$68.37	1		\$68.37	\$250.00
	Seeder with	25.00	\$7.98	\$68.37	1	\$76.35	\$68.37	\$250.00
					Subtotals:	\$215.09	\$136.74	\$500.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/	Fleet Size	Haul Trip	Return Trip
	unit		Cost/hr/ fleet	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	¢00.01
		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:	RIFLE 70.00 40.00	miles mph
Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig:	\$2,661.59	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$318.19	

Transportation Cycle Time:

	Non- Roadable Equipment	Roadable 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 time: **9.00** Hours

Total job cost: \$2,980

EQUIPMENT MOBILIZATION/DEMOBILIZATION

400 HP (2ND HALF, 2006) GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT TRAILER (25T, 50T, AND 100T) Cost Breakdown: Available Rig Capacities 0-25 Tons 26-50 Tons 51+ Tons Ownership Cost/Hour: \$21.28 \$37.94 \$47.67 Operating Cost/Hour: \$26.55 \$50.48 \$56.21 Operator Cost/Hour: \$20.54 \$20.54 \$20.54 Helper Cost/Hour: \$0.00 \$23.53 \$23.53 Total Unit Cost/Hour: \$68.37 \$132.49 \$147.95 NON ROADABLE EQUIPMENT: Machine Weight/ Owner ship Haul Rig Fleet Haul Trip Return Trip DOT Period	PROJECT IDENTIFICATION Task #: 10B State: Colorado Abbreviation: None Date: 6/22/2022 County: Rio Blanco Filename: P002-10b User: ACY Agency or organization name: DRMS Cost Data Shift basis: 1 per day Cost Data Source: CRG Data Truck Tractor Description: GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWERED, 400 HP (2ND HALF, 2006) Truck Trailer Description: GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT TRAILER (25T, 50T, AND 100T) Sost Breakdown: Mailable Rig Capacities 0-25 Tons 26-50 Tons 51+ Tons Ownership Cost/Hour: \$20.54 \$20.54 \$20.54 \$20.54 Operator Cost/Hour: \$20.54 \$20.54 \$20.54 \$20.54 Helper Cost/Hour: \$0.00 \$23.53 \$23.53 Total Unit Cost/Hour: \$68.37 \$132.49 \$147.95 KON ROADABLE EOUIPMENT: Machine Weight/ Unit Owner ship Cost/hr/unit Fleet Haul Trip Cost/hr/ fleet Cost/hr/ Cost/hr/ fleet Cost/fleet	Task description	n: Sec	ondary Mobiliza	tion					
Task #: 10B State: Colorado Abbreviation: None Date: 6/22/2022 County: Rio Blanco Filename: P002-10b User: ACY Agency or organization name: DRMS Agency or organization name: DRMS EQUIPMENT TRANSPORT RIG COST Shift basis: 1 per day Cost Data Source: CRG Data Truck Tractor Description: GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWEREI 400 HP (2ND HALF, 2006) Truck Trailer Description: GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT Cost Breakdown: GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT TRAILER (25T, 50T, AND 100T) Cost Breakdown: Available Rig Capacities 0-25 Tons 26-50 Tons 51+ Tons Operator Cost/Hour: \$20.54 \$20.54 \$20.54 Operator Cost/Hour: \$20.54 \$20.54 \$20.54 Helper Cost/Hour: \$68.37 \$132.49 \$147.95 NON ROADABLE EQUIPMENT: Machine Weight/ Owner ship Haul Rig Fleet Haul Trip Return Trip	Task #: 10B State: Colorado Abbreviation: None Date: 6/22/2022 County: Rio Blanco Filename: P002-10b User: ACY Acy Filename: P002-10b Agency or organization name: DRMS Style Style Shift basis: 1 per day Cost Data Source: CRG Data Style Truck Tractor Description: GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWERED, 400 HP (2ND HALF, 2006) Truck Trailer Description: GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT TRAILER (25T, 50T, AND 100T) Cost Breakdown: Available Rig Capacities 0-25 Tons 26-50 Tons 51+ Tons Operating Cost/Hour: \$21.28 \$37.94 \$47.67 Operator Cost/Hour: \$20.54 \$20.54 \$20.54 Operator Cost/Hour: \$26.55 \$50.48 \$56.21 Operator Cost/Hour: \$68.37 \$132.49 \$147.95 Gost/Heige Cost/Hour: \$68.37 \$132.49 \$147.95	: Shale Core 2	020-01	Permit	Action: 2022	2]	Permit/Job	#: <u>P20</u>	021002
Date: <u>6/22/2022</u> County: <u>Rio Blanco</u> Filename: <u>P002-10b</u> User: <u>ACY</u> Agency or organization name: DRMS Shift basis: <u>1 per day</u> County: <u>Shift basis:</u> <u>1 per day</u> Cost Data Source: CRG Data Truck Tractor Description: GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWEREJ 400 HP (2ND HALF, 2006) Truck Trailer Description: GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT TRAILER (25T, 50T, AND 100T) Cost Breakdown: Available Rig Capacities 0-25 Tons 26-50 Tons 51+ Tons Ownership Cost/Hour: \$21.28 \$37.94 \$47.67 Operator Cost/Hour: \$20.54 \$20.54 Helper Cost/Hour: \$20.54 \$20.54 Helper Cost/Hour: \$68.37 \$132.49 \$147.95 NON ROADABLE EQUIPMENT: Machine Weight/ Owner ship Cost/hr/unit Cost/hr/unit Cost/hr/ Cost/hr/ Gost/hr/ Gos	Date: 6/22/2022 County: Rio Blanco Filename: P002-10b Agency or organization name: DRMS Source: I per day Coxt Data Source: CRG Data Truck Tractor Description: GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWERED, 400 HP (2ND HALF, 2006) Truck Trailer Description: GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT TRAILER (25T, 50T, AND 100T) Yest Breakdown: State Stat	PROJECT ID	ENTIFICATI	<u>ON</u>						
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(TONS) t fleet	(TONS) t Cost in / unit Cost in / unit Cost in / unit Size Cost in / unit fleet							Cost/hr/	fleet	
		Description				5120				
Subtotals: \$0.00 \$0.00 \$0.00	Subtotals: \$0.00 \$0.00 \$0.00		(1010)					I		
						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:	RIFLE 70.00 40.00	miles mph
Total Non-Roadable Mob/Demob Cost *	\$0.00	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$142.14	

Transportation Cycle Time:

	Non- Roadable Equipment	Roadable 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 time: **3.50** Hours

Total job cost: ______\$142_____