COST SUMMARY WORK

Т	ask description:	2023 post inspection	update				
Site:	Railhead Gravel Pit	Permit	Action:	2023		Permit/Job#	#: <u>M1995036</u>
<u>Pl</u>	ROJECT IDENTIFIC	<u>ATION</u>					
	Task #: ACY	State: Co	lorado		A		None
	Date: 4/10/2023	County: Me	esa			Filename:	M036-ACY
	User: ACY						
	Agency or organiz	ation name: DRMS					
<u>T</u>	ASK LIST (DIRECT O	COSTS)					
Гask				Form	Fleet	Task	
	Description			Used	Size	Hours	Cost
)1a	Regrade SE Pond Slop			DOZER	1	9.58	\$2,516
)2a	Regrade Wetland Slop	es to 10H:1V		DOZER	1	42.77	\$11,228
)3a	Rip compacted areas			RIPPER	1	4.83	\$1,367
)4a	Topsoil Replacement			DOZER	1	68.08	\$17,873
)5a	Reveg-Wetlands			REVEGE	1	8.00	\$7,470
)5b	Reveg-Dryland around	l pond		REVEGE	1	8.00	\$5,352
)5c	Reveg-NW failure upl	and		REVEGE	1	16.00	\$18,528
)5d	Reveg-NW failure We	etlands		REVEGE	1	8.00	\$2,668
)6a	Initial Mobilization			MOBILIZE	1	2.44	\$2,539
)6b	Secondary Mobilization	on		MOBILIZE	1	2.44	\$1,398
				SUBTO	OTALS:	170.14	\$70,939
IN	NDIRECT COSTS						
<u>O'</u>	VERHEAD AND PROFIT	<u>Γ:</u>					
	Liability insuran	ce: 2.02				Total = \$1,	433

Liability insurance:2.02Total =\$1,433Performance bond:1.05Total =\$745Job superintendent:148.20Total =\$11,134

Profit: 10.00 Total = \$7,094

TOTAL O & P = \$20,406 CONTRACT AMOUNT (direct + O & P) = \$91,345

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$500 Total = \$500

Engineering work and/or contract/bid preparation: Reclamation management and/or administration: \$5.00 Total = \$3,882

\$4.25 \$4,567

CONTINGENCY: 3.00 Total = \$2,128

TOTAL INDIRECT COST = \$31,484

TOTAL BOND AMOUNT (direct + indirect) = \$102,423

Post-Mining Drainage Channel Construction (Ditches)

T	ask descrip	tion:	North Slope	stormwater ch	nannels					
Site:	River Roa	ad Pit		Permit Action	2023			Permit/Jo	b#: M1991	136
<u>P</u>	ROJECT	DENTIFIC	<u>CATION</u>							
	Task #: Date: User:	01A 4/10/2023 ACY	Sta Cour	ty: Colorado Mesa)		Ab	breviation Filename		la
	Age	ency or organiz	zation name:	DRMS						
	Channel	Length (ft)	Depth (ft)	Width (bottom) (ft)	Side Slopes (XH:1V)	Width (top) (ft)	V	cavated fol./LF (CY)	Excavated Vol. (total) (CY)	
	1	75	1.00	2.00	2.00	6.00		.1481	11	_
	2 3	75 75	1.00	2.00	2.00	6.00		.1481	11	_
	Totals:	75 225	1.00	2.00	2.00	6.00	0	.1481	33	_
	i otais.	223							33	_
	Riprap	Riprap Thickness (2xD50) (ft)	Perimeter, P (ft)	Area for Geotextile (excl. anchor trenches) (sf)		p Vol. CY)				
		1.00	6.47	485	1	8				
		1.00	6.47	485		.8				
	T . 1	1.00	6.47	485		.8				
	Totals:			1,456		54				
$\underline{\mathbf{N}}$	<u> Iaterials Ne</u>	eeded:								
(Geotextile (SY incl. 15%		186						
			rap (CY):	33						
<u>C</u>	losts:	Excavau	ion (CY):							
	Mat	erial Costs:	Geotextile (S	Y): \$4.26	Riprap	(CY):	\$37.00	Excav	ration (CY):	\$0.00
		Labor Cost:	`	\$0.30	_	` ′ _	\$14.05	_	` ′	\$2.73
		oment Cost:		\$0.00			\$13.95	_		\$2.04
	Mean	s Reference	31 32 1916 15	510	31 37 1310	0 0100		31 23	1642 0310	
<u>T</u>	otals:									
		otextile (SY): Riprap (CY):	\$848.50 \$3,505.7							
		avation (CY):	\$159.00							
<u>H</u>	lours:	` ,								
		otextile (SY): 87.50 SY/HR	2.13							
		Riprap (CY): 7.75 CY/HR	6.96							
		avation (CY): 40.00 CY/HR	0.83							

Loader Worksheet Cont'd Task # 01A Page 2 of 2

Total Post-Mining Channel Reconstruction hours:	9.92	Hours
Total Post-Mining Channel Reconstruction Cost:	\$4.513	

BULLDOZER WORK

Task description:	Regrade Wetlan		· · · · · · · · · · · · · · · · · · ·		
Railhead Gravel Pit	Per	mit Action:	2023	Permit/Job#:	M1995036
PROJECT IDENTIF	<u>ICATION</u>				
Task #: 02A	State:	Colorado		Abbreviation:	None
Date: 4/10/2023	County:	Mesa		Filename:	M036-02a
User: ACY				-	
Agency or orga	nization name: DF	RMS			
HOURLY EQUIPME	ENT COST				
	t D8T - 8SU				
Horsepower: 310			<u> </u>		
	mi-Universal		 -		
Attachment: NA			<u>—</u>		
	per day		<u></u>		
	RG)		<u> </u>		
Cost Breakdown:		Í	*****		
Overmonals in Control		¢124.95	<u>Utilization %</u>		
Ownership Cost/Hour: Operating Cost/Hour:		\$124.85 \$97.63	NA 100		
Ripper own. Cost/Hour:		\$97.03	NA		
Ripper own. Cost/Hour:	-	\$0.00	0	<u></u>	
Operator Cost/Hour:	-	\$40.04	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT	\$262.52 \$262.52 FITIES	ψτυ.υτ	IVA		
Total unit Cost/Hour: Total Fleet Cost/Hour:	\$262.52 FITIES 896	ψτυ.υτ			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 12,3 Swell factor: 1.23	\$262.52 FITIES 896	ψτυ.υτ	INA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 12,3 Swell factor: 1.23 Loose volume: 15,2 Source of estimated volu Source of estimated swel	\$262.52 FITIES 896 80 247 LCY me: 1700 LF Cat Hand	of 3:1 to 10:			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 12,3 Swell factor: 1.23 Loose volume: 15,2 Source of estimated volu	\$262.52 FITIES 896 80 247 LCY me: 1700 LF Cat Hand	of 3:1 to 10:			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 12,3 Swell factor: 1.23 Loose volume: 15,2 Source of estimated volu Source of estimated swel	\$262.52 FITIES 696 60 247 LCY me: 1700 LF Cat Hand FION 125 feet	of 3:1 to 10:			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 12,3	\$262.52 FITIES 696 60 247 LCY me: 1700 LF Cat Hand FION 125 feet 726.3 LCY	of 3:1 to 10:			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 12,3 Swell factor: 1.23 Loose volume: 15,2 Source of estimated volu Source of estimated swel HOURLY PRODUC' Average push distance: Unadjusted hourly produ	\$262.52 FITIES 696 60 247 LCY me: 1700 LF Cat Hand FION 125 feet 726.3 LCY	of 3:1 to 10:	1 @ 15'H		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 12,3	\$262.52 FITIES 396 30 247 LCY me: 1700 LF Cat Hand FION 125 feet 726.3 LCY scription: Compa	of 3:1 to 10:	1 @ 15'H		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 12,3	\$262.52 EITIES 396 30 247 LCY me: 1700 LF Cat Hand FION 125 feet 726.3 LCY scription: Compa 0 % 4,524 feet	of 3:1 to 10:	1 @ 15'H		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 12,3	\$262.52 EITIES 396 30 247 LCY me: 1700 LF Cat Hand EION 125 feet 726.3 LCY scription: Compa 0 % 4,524 feet 2,100 lbs/LCY Earth - Loam	of 3:1 to 10:2	1 @ 15'H mbankment 0.9		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 12,3	\$262.52 EITIES 396 30 247 LCY me:	of 3:1 to 10:20 lbook	1 @ 15'H mbankment 0.9 Source (AVG.)		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 12,3	\$262.52	of 3:1 to 10:2	1 @ 15'H mbankment 0.9		

0.830	(1 SHIFT/DAY)
0.800	(SSD-AC)
1.000	(CAT HB)
1.000	(CAT HB)
1.095	(CAT HB)
1.000	(PAT)
	0.800 1.000 1.000 1.095

Net correction: 0.4908

Adjusted unit production: 356.47 LCY/hr
Adjusted fleet production: 356.47 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.736/LCY

Total job time: 42.77 Hours
Total job cost: \$11,228

BULLDOZER RIPPING WORK

	Task description:	Rip	compacted areas					
Site:	Railhead Gra	vel Pit	Permit Action:	2023	Perm	nit/Job#:	M1995	036
	PROJECT ID	ENTIFICATI	<u>ON</u>					
	Task #: 032	A	State: Colorado		Abbrev	iation:	None	
		0/2023	County: Mesa			ename:	M036-0	3a
	User: AC	CY	· · · · · · · · · · · · · · · · · · ·			-		
	Agency	or organization	name: DRMS					<u></u>
	HOURLY EQ	UIPMENT CO	<u>OST</u>					
	Basic 1	Machine: Cat	D8T - 8SU		Horsepower:	3	310	
	Ripper Att	achment: 3-S	hank Ripper		Shift Basis:	1 p	er day	
					Data Source:	(0	CRG)	
	Cost Breakdown:	<u>.</u>		ii.				
		0 1: 0	. // *	ф1 2 4.05	Utilization %			
		Ownership Co		\$124.85	NA 100			
	Dinn	Operating Co er Ownership Co		\$97.63 \$13.10	100 NA			
		per Operating Co		\$7.30	100			
	Кірі	Operator Co		\$40.04	NA			
		Total Unit Co		\$282.92	1111			
		Total Fleet Co	ost/Hour: \$282	2.92				
	MATERIAL (
			Sele	ected estimating	g method: Area			
	Alternate Method	<u>18:</u>						
Seismic:	NA 3.10	0.0200	Bank Volume:	NA 2.00	BCY Volume: 10,0		NA	BCY or CC
Area:	3.10	acres	Rip Depth (ft):					BC1 01 CC
		Source of estin	nated quantity: Staff es	stimates 4500 L	LF haul road approx	30 ft wid	le	
	HOURLY PRO	<u>ODUCTION</u>						
	Seismic:							
		;	Seismic Velocity:	NA	feet/second	1		
	Area:							
			e Ripping Depth:	2.56	feet/pass			
		_	e Ripping Width:	7.08	feet/pass			
		_	Ripping Length:	200.00	feet/pass			
			age Dozer Speed:	88.00	feet/minute			
			Maneuver Time:tion per unit area:	0.25 0.773	minutes/pa acres/hour	iss		
	Job Condition Co		-	0.113				
			Unit Production:	0.773	Acres/hr			
	Oli	adjusted Hourry						
			Site Altitude:	4,525	feet (CATAIR)			
			Altitude Adj:	1.00	(CAT HB)			
			Job Efficiency:	0.83	(1 shift/day	y)		
			Net Correction:	0.83	multiplier			
			Hourly Unit Production:	0.64	Acres/hr			
		Adjusted	Hourly Fleet Production:	0.64	Acres/hr			
	JOB TIME AN	ND COST						
	Fleet size:	1	Grader(s)	Total job tim	ne: 4.8	3	Но	ours
	Unit cost:	\$440.889	Per acre	Total job co	st: \$1,3	67		

BULLDOZER WORK

	Topsoil Replacer	пені			
: Railhead Gravel Pit	Per	mit Action:	2023	Permit/Job#:	M1995036
PROJECT IDENTIF	<u>ICATION</u>				
Task #: 04A	State:	Colorado		Abbreviation:	None
Date: $\frac{4/10/2023}{4}$	County:	Mesa		Filename:	M036-04a
User: ACY	·	-		-	
Agency or organ	nization name: DI	RMS			
HOURLY EQUIPME	ENT COST				
Basic Machine: Cat	t D8T - 8SU				
Horsepower: 310					
	ni-Universal		<u> </u>		
Attachment: NA					
Shift Basis: 1 p	er day		_		
	RG)		_		
Cost Breakdown:					
Cost Dicardown.			<u>Utilization %</u>		
Ownership Cost/Hour:		\$124.85	NA		
Operating Cost/Hour:		\$97.63	100		
Ripper own. Cost/Hour:		\$0.00	NA		
Ripper op. Cost/Hour:		\$0.00	0		
Operator Cost/Hour:	-	\$40.04	NA		
1			- 1		
Total unit Cost/Hour:	\$262.52				
Total unit Cost/Hour: Total Fleet Cost/Hour:	\$262.52 \$262.52				
Total Fleet Cost/Hour:	\$262.52				
Total Fleet Cost/Hour: MATERIAL QUANT	\$262.52 <u>CITIES</u>				
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: _4,75	\$262.52 CITIES 0				
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,75 Swell factor: 1.11	\$262.52 CITIES 0 5				
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,75 Swell factor: 1.11	\$262.52 CITIES 0				
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,75 Swell factor: 1.11 Loose volume: 5,29	\$262.52 CITIES 0 5 6 LCY	een			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,75 Swell factor: 1.11 Loose volume: 5,29 Source of estimated volume	\$262.52 EITIES 10 5 16 LCY me: 5 ac 7" do				
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,75 Swell factor: 1.11 Loose volume: 5,29	\$262.52 CITIES 0 5 6 LCY me: 5 ac 7" do				
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,75 Swell factor: 1.11 Loose volume: 5,29 Source of estimated volume	\$262.52 CITIES 0 5 6 LCY me: 5 ac 7" de Cat Hand				
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,75 Swell factor: 1.11 Loose volume: 5,29 Source of estimated volumes Source of estimated swell HOURLY PRODUCT Average push distance:	\$262.52 CITIES 0 5 6 LCY me: 5 ac 7" de Cat Hand CITION 500 feet				
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,75 Swell factor: 1.11 Loose volume: 5,29 Source of estimated volumes Source of estimated swell HOURLY PRODUCT	\$262.52 CITIES 0 5 6 LCY me: 5 ac 7" de Cat Hand CITION 500 feet	lbook			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,75 Swell factor: 1.11 Loose volume: 5,29 Source of estimated volumes Source of estimated swell HOURLY PRODUCT Average push distance:	\$262.52	lbook /hr	stockpile 1.1		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,75 Swell factor: 1.11 Loose volume: 5,29 Source of estimated volumes Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency desired Average push gradient:	\$262.52	lbook /hr	stockpile 1.1		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,75 Swell factor: 1.11 Loose volume: 5,29 Source of estimated volumes Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product	\$262.52	lbook /hr	stockpile 1.1		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,75 Swell factor: 1.11 Loose volume: 5,29 Source of estimated volumes Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency desired Average push gradient:	\$262.52	lbook /hr	stockpile 1.1		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,75 Swell factor: 1.11 Loose volume: 5,29 Source of estimated volumes Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency destances Average push gradient: Average site altitude:	\$262.52	lbook /hr	stockpile 1.1		
MATERIAL QUANT Initial Volume: 4,75 Swell factor: 1.11 Loose volume: 5,29 Source of estimated volumes of estimated swell source of estimated swell source of estimated swell source of estimated swell hours product. Average push distance: Unadjusted hourly product. Materials consistency destances are altitude: Material weight:	\$262.52	lbook /hr	stockpile 1.1		
Initial Volume: 4,75 Swell factor: 1.11 Loose volume: 5,29 Source of estimated volumes of estimated swell source of estimated swell stance: Unadjusted hourly product stance of estimated swell stance of estima	\$262.52	lbook /hr	•		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,75 Swell factor: 1.11 Loose volume: 5,29 Source of estimated volumes Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency destances are altitude: Material weight: Weight description: Job Condition Corrections	\$262.52	/hr consolidated	Source		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,75 Swell factor: 1.11 Loose volume: 5,29 Source of estimated volumes of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency destance: Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operator	\$262.52	/hr consolidated	Source (AVG.)		

0.830	(1 SHIFT/DAY)
0.800	(SSD-AC)
1.000	(CAT HB)
1.000	(CAT HB)
1.095	(CAT HB)
1.000	(PAT)
	0.800 1.000 1.000 1.095

Net correction: 0.5998

Adjusted unit production: 77.79 LCY/hr
Adjusted fleet production: 77.79 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$3.375/LCY

Total job time: 68.08 Hours
Total job cost: \$17,873

Railhead Gravel Pit	Per	rmit Action: 2023			Permit/Job#	: M1995036
ROJECT IDENTIFI	ICATION					
Task #: 05A	State:	Colorado		Abbr	eviation:	None
Date: $\frac{03A}{4/10/2023}$		Mesa				M036-05a
User: ACY		1,1054		•		1,1030 034
Agency or organ	nization name: DR	RMS				
ERTILIZING						
aterials						
Description		Units / Acre	Unit	Cost /	' Unit	Cost /Acre
10-34-0, 18-46-0, 5-10	0-5	100.00	pound	\$0.38		\$38.00
					Fertilizer Materials Cost/Acre	\$38.00
Description Tractor towed spreade	er (MEANS 32 01 90.	13 0120)				Cost /Acre \$39.64
	er (MEANS 32 01 90.		Fertilizer A	oplication	Cost/Acre	
Tractor towed spreade LLING Description		Total	Fertilizer A	oplication	Cost/Acre	\$39.64 \$39.64 Cost /Acre
Tractor towed spreade		Total			Cost/Acre	\$39.64 \$39.64
LLING Description Disc harrowing, 6" de		Total				\$39.64 \$39.64 Cost /Acre \$117.18
LLING Description Disc harrowing, 6" de		Total	Tot	tal Tilling Rate – PLS LBS /		\$39.64 \$39.64 Cost /Acre \$117.18
LLING Description Disc harrowing, 6" de		Total	Tot	tal Tilling Rate – PLS	Cost/Acre Seeds per SQ.	\$39.64 \$39.64 Cost /Acre \$117.18
LLING Description Disc harrowing, 6" de EEDING Seed Mix		Total	Total	tal Tilling Rate – PLS LBS / Acre	Cost/Acre Seeds per SQ. FT	\$39.64 \$39.64 Cost /Acre \$117.18 \$117.18
Tractor towed spreade Tractor towed spreade TLLING Description Disc harrowing, 6" de EEDING Seed Mix Alkali Sacaton Canada Wildrye Red Top	ep (MEANS 32 91 13	Total	Tol	Rate – PLS LBS / Acre50 1.00 0.50	Cost/Acre Seeds per SQ. FT 58.54	\$39.64 \$39.64 \$39.64 Cost /Acre \$117.18 \$117.18
Tractor towed spreade LLING Description Disc harrowing, 6" de EEDING Seed Mix Alkali Sacaton Canada Wildrye Red Top Reed Canarygrass - V	ep (MEANS 32 91 13	Total	To:	Rate – PLSBS / Acre50	Seeds per SQ. FT 58.54 29.04 57.28 40.66	\$39.64 \$39.64 \$39.64 Cost /Acre \$117.18 \$117.18 Cost /Acre \$42.71 \$119.24 \$3.94 \$17.33
LLING Description Disc harrowing, 6" de EEDING Seed Mix Alkali Sacaton Canada Wildrye Red Top	ep (MEANS 32 91 13	Total	To:	Rate – PLS LBS / Acre50 1.00 0.50	Seeds per SQ. FT 58.54 29.04 57.28	\$39.64 \$39.64 \$39.64 Cost /Acre \$117.18 \$117.18 Cost /Acre \$42.71 \$119.24 \$3.94

\$201.27

311.78

21.50

Totals Seed Mix

Application

Description		Cost /Acre
Drill Seeding (DRMS Survey Cost)		\$232.00
	Total Seed Application Cost/Acre	\$232.00

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Hay, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$421.36	\$842.72
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$3.04	\$3.04
Herbicide - Glyphosate (Journey)@ 1.0 pt/ac	1.00	ACRE	\$4.61	\$4.61
Total Mulch Materials Cost/Acre				\$850.37

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$73.00
Power mulcher (MEANS 32 91 13.16 0350)		\$141.57
Weed spray, truck, aquatic area, nox. [DMG]		\$62.72
Weed spray, truck, non-aquatic areas, ann. [DMG]		\$22.81
	Total Mulch Application Cost/Acre	\$300.10

NURSERY STOCK PLANTING

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

JOB TIME AND COST

 No. of Acres:
 3
 Cost /Acre:
 \$1,778.56

 Estimated Failure Rate:
 40%
 Cost /Acre*:
 \$1,778.56

*Selected Replanting Work Items: FERTILIZING,TILLING,SEEDING,MU

LCHING

Initial Job Cost: \$5,335.68

Reseeding Job Cost: \$2,134.27

Total Job Cost: Job Hours: \$8.00

Railhead Gravel Pit	Peri	mit Action: 2023	<u> </u>		Permit/Job#	: M1995036
ROJECT IDENTIFIC	ATION					
		Colomodo		A L.1	hannintion	None
Task #: 05B Date: 4/10/2023	State: _ County:	Colorado Mesa		_		None M036-05b
User: ACY	County	Wiesa		-	Thename.	1030-030
·	zation name: DR	MS				
ERTILIZING						
aterials						
Description		Units / Acre	Unit	Cos	t / Unit	Cost /Acre
10-34-0, 18-46-0, 5-10-5	5	100.00	pound	\$0.3	8	\$38.00
				Tot	al Fertilizer Materials Cost/Acre	\$38.00
pplication Description Tractor towed spreader (MEANS 32 01 90.	13 0120)				Cost /Acre \$39.64
Description	MEANS 32 01 90.		l Fertilizer A	pplicatio	n Cost/Acre	
Description Tractor towed spreader (LLING Description		Total	l Fertilizer A	pplicatio	n Cost/Acre	\$39.64 \$39.64 Cost /Acre
Description Tractor towed spreader (Total			n Cost/Acre	\$39.64 \$39.64 Cost /Acre \$117.18
Description Tractor towed spreader (LLING Description Disc harrowing, 6" deep		Total				\$39.64 \$39.64 Cost /Acre
Description Tractor towed spreader (LLING Description Disc harrowing, 6" deep		Total	To	tal Tillin Rate – PLS LBS /		\$39.64 \$39.64 Cost /Acre \$117.18
Description Tractor towed spreader (LLING Description Disc harrowing, 6" deep	(MEANS 32 91 13	Total	To	tal Tillin Rate – PLS	g Cost/Acre Seeds per SQ.	\$39.64 \$39.64 Cost /Acre \$117.18
Description Tractor towed spreader (LLING Description Disc harrowing, 6" deep EEDING Seed Mix Indian Ricegrass - Palon	(MEANS 32 91 13	Total	To	tal Tillin Rate – PLS LBS / Acre	g Cost/Acre Seeds per SQ. FT	\$39.64 \$39.64 Cost /Acre \$117.18 \$117.18
Description Tractor towed spreader (LLING Description Disc harrowing, 6" deep EEDING Seed Mix	(MEANS 32 91 13	Total	To	tal Tillin Rate – PLS LBS / Acre 12.50	g Cost/Acre Seeds per SQ. FT 40.46	\$39.64 \$39.64 Cost /Acre \$117.18 \$117.18 Cost /Acre
Tractor towed spreader (LLING Description Disc harrowing, 6" deep EEDING Seed Mix Indian Ricegrass - Palon Crested Wheatgrass - Ep Canby Bluegrass - Canby	(MEANS 32 91 13	Total	To	Rate – PLS LBS / Acre 12.50 5.00 3.00	Seeds per SQ. FT 40.46 27.55 63.77	\$39.64 \$39.64 \$39.64 Cost /Acre \$117.18 \$117.18 Cost /Acre \$139.06 \$25.95 \$30.75
Description Tractor towed spreader (LLING Description Disc harrowing, 6" deep EEDING Seed Mix Indian Ricegrass - Palon Crested Wheatgrass - Ep	(MEANS 32 91 13	Total	To	tal Tillin Rate – PLS LBS / Acre 12.50 5.00	Seeds per SQ. FT 40.46 27.55	\$39.64 \$39.64 \$39.64 Cost /Acre \$117.18 \$117.18 Cost /Acre \$139.06 \$25.95

Totals Seed Mix

Application

\$481.34

236.65

35.00

Description		Cost /Acre
Drill Seeding (DRMS Survey Cost)		\$232.00
	Total Seed Application Cost/Acre	\$232.00

Materials

	Units /			
Description	Acre	Unit	Cost / Unit	Cost /Acre
Hay, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$421.36	\$842.72
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$3.04	\$3.04
Herbicide - Glyphosate (Journey)@ 1.0 pt/ac	1.00	ACRE	\$4.61	\$4.61
Total Mulch Materials Cost/Acre				\$850.37

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$73.00
Power mulcher (MEANS 32 91 13.16 0350)		\$141.57
Weed spray, truck, aquatic area, nox. [DMG]		\$62.72
Weed spray, truck, non-aquatic areas, ann. [DMG]		\$22.81
	Total Mulch Application Cost/Acre	\$300.10

NURSERY STOCK PLANTING

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

JOB TIME AND COST

*Selected Replanting Work Items: FERTILIZING,TILLING,SEEDING,MU

LCHING

Initial Job Cost: \$4,117.26

Reseeding Job Cost: \$1,235.18

Total Job Cost: \$5,352

Job Hours: 8.00

Task description:	Reveg-NW failure up	oland				
Railhead Gravel Pit	Permit A	Action: 2023			Permit/Job#	: M1995036
PROJECT IDENTIF Task #: 05C Date: 4/10/2023 User: ACY	State: Co County: Me	lorado esa				None M036-05c
	nnization name: <u>DRMS</u>					
<u>ERTILIZING</u>						
Iaterials		TT24 /				
Description		Units / Acre	Unit	Cost	t / Unit	Cost /Acre
10-34-0, 18-46-0, 5-1	0-5	100.00	pound	\$0.3	8	\$38.00
10 0 1 0, 10 10 0, 0 1		100.00	pound		al Fertilizer Materials Cost/Acre	\$38.00
		Total	Fertilizer App	licatio	n Cost/Acre	\$39.64
TILLING Description						Cost /Acre
Disc harrowing, 6" de	eep (MEANS 32 91 13.23	6100)				\$117.18
			Tota	l Tillin _i	g Cost/Acre	\$117.18
<u>EEDING</u>						
Seed Mix			PL	BS/	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Pa	loma			.50	40.46	\$139.06
Crested Wheatgrass -			6.0	00	27.55	\$25.95
Canby Bluegrass - Ca			3.0	00	63.77	\$30.75
Sand Dropseed			0.5	50	59.69	\$4.88
Galleta			12	.00	43.80	\$268.20
Saltbush, Four Wing			1.0	00	1.38	\$12.50

Application	n e e e e e e e e e e e e e e e e e e e	

Totals Seed Mix

\$481.34

236.65

35.00

Description		Cost /Acre
Drill Seeding (DRMS Survey Cost)		\$232.00
	Total Seed Application Cost/Acre	\$232.00

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Hay, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$421.36	\$842.72
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$3.04	\$3.04
Herbicide - Glyphosate (Journey)@ 1.0 pt/ac	1.00	ACRE	\$4.61	\$4.61
Total Mulch Materials Cost/Acre				\$850.37

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$73.00
Power mulcher (MEANS 32 91 13.16 0350)		\$141.57
Weed spray, truck, aquatic area, nox. [DMG]		\$62.72
Weed spray, truck, non-aquatic areas, ann. [DMG]		\$22.81
	Total Mulch Application Cost/Acre	\$300.10

NURSERY STOCK PLANTING

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

JOB TIME AND COST

No. of Acres: 9 Cost /Acre: \$2,058.63
Estimated Failure Rate: 0% Cost /Acre*: \$0.00

*Selected Replanting Work Items: NONE

Initial Job Cost:

Reseeding Job Cost:

Total Job Cost:

Job Hours:

\$18,527.67

\$0.00

\$18,528

16.00

Date: 4/10/2023 County: Mesa Filename: Muser: ACY	Units / Acre
Task #: 05D	Units / Acre
Date: 4/10/2023 County: Mesa Filename: Mesa Mesa Filename: Mesa Filen	Units / Acre
User: ACY	Units / Acre
Description 10-34-0, 18-46-0, 5-10-5 100.00 Description Tractor towed spreader (MEANS 32 01 90.13 0120) Units / Acre Unit Cost / Unit 0.00	Acre Unit Cost / Unit Cost / Acre 100.00 pound \$0.38 \$38.00 Total Fertilizer Materials Cost/Acre \$38.00 Cost / Acre 20) \$39.64 Total Fertilizer Application Cost/Acre \$39.64
Description	Acre Unit Cost / Unit Cost / Acre 100.00 pound \$0.38 \$38.00 Total Fertilizer Materials Cost/Acre \$38.00 Cost / Acre 20) \$39.64 Total Fertilizer Application Cost/Acre \$39.64
Description Units / Acre	Acre Unit Cost / Unit Cost / Acre 100.00 pound \$0.38 \$38.00 Total Fertilizer Materials Cost/Acre \$38.00 Cost / Acre 20) \$39.64 Total Fertilizer Application Cost/Acre \$39.64
Description Acre Unit Cost / Unit 10-34-0, 18-46-0, 5-10-5 100.00 pound \$0.38 Total Fertilizer Materials Cost/Acre Plication Total Fertilizer Materials Cost/Acre Total Fertilizer Materials Cost/Acre Total Fertilizer Materials Cost/Acre Total Fertilizer Application Cost/Acre	Acre Unit Cost / Unit Cost / Acre 100.00 pound \$0.38 \$38.00 Total Fertilizer Materials Cost/Acre \$38.00 Cost / Acre 20) \$39.64 Total Fertilizer Application Cost/Acre \$39.64
10-34-0, 18-46-0, 5-10-5 100.00 pound \$0.38 Total Fertilizer Materials Cost/Acre plication Description Tractor towed spreader (MEANS 32 01 90.13 0120) Total Fertilizer Application Cost/Acre	Total Fertilizer Materials Cost/Acre Cost /Acre S38.00 Cost /Acre S39.64 Cost /Acre Cost /Acre
plication Description Tractor towed spreader (MEANS 32 01 90.13 0120) Total Fertilizer Materials Cost/Acre Total Fertilizer Application Cost/Acre	Total Fertilizer Materials Cost/Acre S38.00 Cost /Acre \$39.64 Total Fertilizer Application Cost/Acre \$39.64 Cost /Acre
Description Tractor towed spreader (MEANS 32 01 90.13 0120) Total Fertilizer Application Cost/Acre	Total Fertilizer Application Cost/Acre \$39.64 Cost /Acre
	Cost /Acre
<u>LLING</u>	
Description	
- *** F *-*	
Total Tilling Cost/Acre	Total Tilling Cost/Acre \$117.18
<u>CEDING</u>	
Seed Mix Rate - PLS Seeds	
LBS / per SQ.	PLS Seeds Cost /Acre per SQ.
LBS / per SQ. Acre FT	PLS Seeds per SQ. Acre Acre FT Cost /Acre
LBS / per SQ. FT Acre	PLS Seeds PR

Totals Seed Mix

Application

CIRCES Cost Estimating Software

\$201.27

311.78

21.50

Description		Cost /Acre
Drill Seeding (DRMS Survey Cost)		\$232.00
	Total Seed Application Cost/Acre	\$232.00

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Hay, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$421.36	\$842.72
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$3.04	\$3.04
Herbicide - Glyphosate (Journey)@ 1.0 pt/ac	1.00	ACRE	\$4.61	\$4.61
Total Mulch Materials Cost/Acre				\$850.37

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$73.00
Power mulcher (MEANS 32 91 13.16 0350)		\$141.57
Weed spray, truck, aquatic area, nox. [DMG]		\$62.72
Weed spray, truck, non-aquatic areas, ann. [DMG]		\$22.81
	Total Mulch Application Cost/Acre	\$300.10

NURSERY STOCK PLANTING

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

JOB TIME AND COST

No. of Acres: 1.5 Cost /Acre: \$1,778.56
Estimated Failure Rate: 0% Cost /Acre*: \$0.00

*Selected Replanting Work Items: NONE

Initial Job Cost: \$2,667.84

Reseeding Job Cost: \$0.00

Total Job Cost: \$2,668

Job Hours: \$8.00

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: <u>Ini</u>	tial Mobilization	!		
te: Railhead Gravel Pit	Permi	t Action: 2023	Permit/Jo	b#: <u>M1995036</u>
PROJECT IDENTIFICATI	<u>ION</u>			
Task #: 06A	State: C	colorado	Abbreviation:	None
Date: 4/10/2023 User: ACY	County: N	lesa	Filename:	M036-06a
Agency or organization	n name: DRMS	S		
EQUIPMENT TRANSPOR	T RIG COST			
			Shift basis:	1 per day
				CRG Data
Truck Tractor Desc	eription: GENI		AY TRUCK TRACTOR, 6X4, 400 HP (2ND HALF, 2006)	DIESEL POWERED,
Truck Trailer Desc	eription:		IG GOOSENECK, DROP DEC	CK EQUIPMENT
			AILER (25T, 50T, AND 100T	=
Cost Breakdown:				
Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons	
Ownership Cost/Hour:	\$15.25	\$23.06	\$37.58	
Operating Cost/Hour:	\$25.26	\$30.83	\$51.41	
Operator Cost/Hour:	\$27.71	\$27.71	\$27.71	
Helper Cost/Hour:	\$0.00	\$20.22	\$20.22	

NON ROADABLE EQUIPMENT:

Total Unit Cost/Hour:

\$68.22

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	53.08	\$137.95	\$136.92	1	\$274.87	\$136.92	\$250.00
Drill/Broadcast Seeder with	25.00	\$6.25	\$68.22	1	\$74.47	\$68.22	\$250.00
Tractor							
Power Mulcher	6.00	\$14.79	\$68.22	1	\$83.01	\$68.22	\$250.00
(Bowie LD-90)							

\$101.82

\$136.92

Subtotals: \$432.35 \$273.36 \$750.00

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	\$80.76	1	\$80.76	\$80.76

Subtotals	\$80.76	\$80.76

EQUIPMENT HAUL DISTANCE and Time

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

Total one-way travel distance: 5.00 miles
Average Travel Speed: 45.00 mph

Total Non-Roadable Mob/Demob Cost *

'* two round trips with haul rig:

Total Roadable Mob/Demob Cost **

** one round trip, no haul rig:

\$2,521.52 \$17.95

Transportation Cycle Time:

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	0.11	0.11
Return Time (Hours):	0.11	0.11
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.22	0.22

JOB TIME AND COST

Total job time: 2.44 Hours

Total job cost: \$2,539

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: Se	econdary Mobiliz	ation		
ite: Railhead Gravel Pit	Permi	it Action: 2023	Permit/Jol	o#: M1995036
PROJECT IDENTIFICAT	<u>'ION</u>			
Task #: 06B	State: 0	Colorado	Abbreviation:	None
Date: 4/10/2023	County: N	Mesa	Filename:	M036-06b
User: ACY	_			
Agency or organization	on name: DRM	S		
EQUIPMENT TRANSPO	RT RIG COST			
			Shift basis:	1 nordov
				1 per day CRG Data
			Cost Data Source.	CKO Data
Truck Tractor Des	scription: GEN		AY TRUCK TRACTOR, 6X4,	DIESEL POWERED,
			400 HP (2ND HALF, 2006)	
Truck Trailer Des	scription:		G GOOSENECK, DROP DEC	-
	-	TR	AILER (25T, 50T, AND 100T)	
Cost Breakdown:				
Cost Breakdown.				
Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons	
Ownership Cost/Hour:	\$15.25	\$23.06	\$37.58	
Operating Cost/Hour:	\$25.26	\$30.83	\$51.41	
Operator Cost/Hour:	\$27.71	\$27.71	\$27.71	
Helner Cost/Hour	\$0.00	\$20.22	\$20.22	

NON ROADABLE EQUIPMENT:

Total Unit Cost/Hour:

\$68.22

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		
Drill/Broadcast	25.00	\$6.25	\$68.22	1	\$74.47	\$68.22	\$250.00
Seeder with							
Tractor							
Power Mulcher	6.00	\$14.79	\$68.22	1	\$83.01	\$68.22	\$250.00
(Bowie LD-90)							

\$101.82

\$136.92

Subtotals: \$157.48 \$136.44 \$500.00

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.	\$80.76	1	\$80.76	\$80.76
Crew				

Cubtotala	¢00.76	¢00.76	
Subtotals:	\$80.76	\$80.76	

EQUIPMENT HAUL DISTANCE and Time

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

Total one-way travel distance: 5.00 miles
Average Travel Speed: 45.00 mph

Total Non-Roadable Mob/Demob Cost *

'* two round trips with haul rig:

Total Roadable Mob/Demob Cost **

\$1,380.28

** one round trip, no haul rig:

Transportation Cycle Time:

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	0.11	0.11
Return Time (Hours):	0.11	0.11
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.22	0.22

JOB TIME AND COST

Total job time:	2.44	Hours

Total job cost: **\$1,398**