

June 10, 2024

John Thompson W.W. Clyde & Co. 10303 East Dry Creek Road #300 Englewood, CO 80112

# **RE:** Collette Property, File No. M-2024-012, Construction Material Special (111) Operation Reclamation Permit Application Package- Adequacy Review 2

Dear Mr. Thompson:

The Division of Reclamation, Mining and Safety (Division) received your incompleteness responses for the Construction Material Special (111) Operation Reclamation Permit Application package for the Collette Property, File No. M-2024-012. The application was filed on June 10, 2024. The Division determined that the following issue(s) of concern shall be adequately addressed before the application can be considered for approval.

1. Based on the reclamation plan and reclamation cost provided the Division has calculated the estimated financial warranty for this site to be \$79,822. Please review the enclosed figures as soon as possible and contact our office if any calculation errors are noted. Submit an executable financial warranty in the amount of \$79,822

Please submit your response(s) to the above listed issue(s) by <u>Friday, June 21, 2024</u> in order to allow the Division sufficient time for review. The decision date for your application is scheduled for June 25, 2024.

If you require additional information, or have questions or concerns, please feel free to contact me at amy.yeldell@state.co.us or 970-210-1272.

Sincerely,

Amy Geldell

Amy Yeldell Environmental Protection Specialist

Cc: Travis Marshall Sara Stevenson-Benn



# COST SUMMARY WORK

Т	ask descrip	otion:	Replacement Pe	rmit			
Site: Collett Property		Per	mit Action:	Арр	Permit/Jol	o#: <u>M2024012</u>	
<u>P</u> ]	ROJECT Task #:	IDENTIFIC	CATION State:	Colorado		Abbreviation:	None
		5/20/2024	County:	Rio Blanco		Filename:	M012-ACY
		ACY					
	Age	ency or organiz	zation name: DF	RMS			

#### TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Regrade all slopes to 3.2H: 1V	DOZER	1	79.24	\$20,771
02a	Rip affected lands prior to topsoil application	RIPPER	1	12.14	\$3,184
03a	Apply topsoil to affected lands	DOZER	1	49.33	\$12,756
04a	Reveg Affected Lands	REVEGE	1	12.00	\$21,115
05a	Initial Mobilization	MOBILIZE	1	3.45	\$3,167
05b	Secondary Mobilization	MOBILIZE	1	3.45	\$1,698
		<u>SUBTC</u>	DTALS:	159.61	\$62,691

#### **INDIRECT COSTS**

#### OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$1,266
Performance bond:	1.05	Total =	\$658
Job superintendent:	0.00	Total =	\$0
Profit:	10.00	Total =	\$6,269
		TOTAL O & P =	\$8,194
		CONTRACT AMOUNT (direct + O & P) =	\$70,885

#### LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	\$500	Total =	\$500
Engineering work and/or contract/bid preparation:	4.25	Total =	\$3,013
Reclamation management and/or administration:	5.00		\$3,544
CONTINGENCY:	3.00	Total =	\$1,881
	TOTAL	INDIRECT COST =	\$17,131
TOTAL BO	ND AMOUNT	(direct + indirect) =	\$79,822

# BULLDOZER WORK

			V		
Collett Property	Per	mit Action:	Арр	Permit/Job#:	M2024012
PROJECT IDENT	<b>TIFICATION</b>				
Task #: 01A	State:	Colorado		Abbreviation:	None
Date: $5/20/202$		Rio Blanco	)	Filename:	M012-01a
User: ACY	<u> </u>				
Agency or of	rganization name: DI	RMS			
HOURLY EQUIP	MENT COST				
	Cat D7R DS Series II L	.GP			
	240				
	Straight				
	3-shank ripper				
	1 per day				
Data Source:	(CRG)				
Cost Breakdown:					
			Utilization %		
Ownership Cost/Hou		\$114.76	NA		
Operating Cost/Hou		\$91.98	100		
Ripper own. Cost/Hou		\$9.06	NA		
Ripper op. Cost/Hou		\$5.02	100		
Operator Cost/Hou	ur:	\$41.30	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour	\$262.12 : <b>\$262.12</b>				
Total Piece Cost/Hour	. \$202.12				
MATERIAL QUA	NTITIES				
Initial Volume: 6	NTITIES 5,111 .250				
Initial Volume: <u>6</u> Swell factor: <u>1</u>	5,111				
Initial Volume:6Swell factor:1Loose volume:7	5,111 .250 <b>7,639</b> LCY			1 1 611	
Initial Volume:6 Swell factor:1 Loose volume:7 Source of estimated vo	5,111 .250 7,639 LCY olume: _3 benche		f 10'H 1:1 going to 3.2:1	backfill	
Initial Volume: 6 Swell factor: 1 Loose volume: 7	5,111 .250 7,639 LCY olume: _3 benche		f 10'H 1:1 going to 3.2:1	backfill	
Initial Volume: 6 Swell factor: 1 Loose volume: 7 Source of estimated vo Source of estimated sy	5,111 .250 7 <b>,639</b> LCY olume: <u>3 benche</u> well factor: <u>Cat Hanc</u>		f 10'H 1:1 going to 3.2:1	backfill	
Initial Volume:6 Swell factor:1 Loose volume:7 Source of estimated vo	5,111 .250 7 <b>,639</b> LCY olume: <u>3 benche</u> well factor: <u>Cat Hanc</u>		f 10'H 1:1 going to 3.2:1	backfill	
Initial Volume: 6 Swell factor: 1 Loose volume: 7 Source of estimated vo Source of estimated sy	5,111 .250 7 <b>,639</b> LCY olume: <u>3 benche</u> well factor: <u>Cat Hanc</u> J <u>CTION</u>		f 10'H 1:1 going to 3.2:1	backfill	
Initial Volume: <u>6</u> Swell factor: <u>1</u> Loose volume: <u>7</u> Source of estimated vo Source of estimated sw <u>HOURLY PRODU</u>	5,111 .250 7 <b>,639</b> LCY olume: <u>3 benche</u> well factor: <u>Cat Hanc</u> J <u>CTION</u> e: <u>50 feet</u>	lbook	<u>f 10'H 1:1 going to 3.2:1</u> 	backfill	
Initial Volume: <u>6</u> Swell factor: <u>1</u> Loose volume: <u>7</u> Source of estimated vo Source of estimated sw HOURLY PRODU	5,111 .250 7,639 LCY olume: <u>3 benche</u> well factor: <u>Cat Hanc</u> <u>JCTION</u> e: <u>50 feet</u> oduction: <u>800.0 LCY</u>	lbook /hr	f 10'H 1:1 going to 3.2:1 	<u>backfill</u>	
Initial Volume: <u>6</u> Swell factor: <u>1</u> Loose volume: <u>7</u> Source of estimated vo Source of estimated sw <u>HOURLY PRODU</u> Average push distance Unadjusted hourly pro	5,111 .250 7,639 LCY olume: <u>3 benche</u> well factor: <u>Cat Hanc</u> <u>JCTION</u> e: <u>50 feet</u> oduction: <u>800.0 LCY</u>	lbook /hr		backfill	
Initial Volume: <u>6</u> Swell factor: <u>1</u> Loose volume: <u>7</u> Source of estimated vo Source of estimated sw <u>HOURLY PRODU</u> Average push distance Unadjusted hourly pro Materials consistency Average push gradien	5,111 .250 2,639 LCY olume: <u>3 benche</u> well factor: <u>Cat Hanc</u> JCTION e: <u>50 feet</u> oduction: <u>800.0 LCY</u> description: <u>Compa</u>	lbook /hr		backfill	
Initial Volume: <u>6</u> Swell factor: <u>1</u> Loose volume: <u>7</u> Source of estimated vo Source of estimated sw <u>HOURLY PRODU</u> Average push distance Unadjusted hourly pro Materials consistency	5,111 .250 2,639 LCY olume: <u>3 benche</u> well factor: <u>Cat Hanc</u> JCTION e: <u>50 feet</u> oduction: <u>800.0 LCY</u> description: <u>Compa</u>	lbook /hr		backfill	
Initial Volume: <u>6</u> Swell factor: <u>1</u> Loose volume: <u>7</u> Source of estimated vo Source of estimated sw <u>HOURLY PRODU</u> Average push distance Unadjusted hourly pro Materials consistency Average push gradiem Average site altitude:	5,111         .250         7,639 LCY         olume:       3 benche         well factor:       Cat Hand         JCTION         e:       50 feet         oduction:       800.0 LCY         description:       Compa         t:       30 %         7,400 feet	lbook /hr		<u>backfill</u>	
Initial Volume: <u>6</u> Swell factor: <u>1</u> Loose volume: <u>7</u> Source of estimated vo Source of estimated sw <u>HOURLY PRODU</u> Average push distance Unadjusted hourly pro Materials consistency Average push gradien	5,111         .250         2,639 LCY         olume:       3 benche         well factor:       Cat Hand         JCTION         e:       50 feet         oduction:       800.0 LCY         description:       Compa         t:       30 %	lbook /hr		backfill	
Initial Volume: <u>6</u> Swell factor: <u>1</u> Loose volume: <u>7</u> Source of estimated vo Source of estimated sw <u>HOURLY PRODU</u> Average push distance Unadjusted hourly pro Materials consistency Average push gradiem Average site altitude:	5,111         .250         7,639 LCY         olume:       3 benche         well factor:       Cat Hand         JCTION         e:       50 feet         oduction:       800.0 LCY         description:       Compa         t:       30 %         7,400 feet	lbook /hr acted fill or er		backfill	
Initial Volume: <u>6</u> Swell factor: <u>1</u> Loose volume: <u>7</u> Source of estimated vo Source of estimated sw <u>HOURLY PRODU</u> Average push distance Unadjusted hourly pro Materials consistency Average push gradient Average site altitude: Material weight: Weight description:	5,111         .250         7,639 LCY         olume:       3 benche         well factor:       Cat Hand         JCTION         e:       50 feet         oduction:       800.0 LCY         description:       Compa         t:       30 %         7,400 feet       2,550 lbs/LCY         Earth - Dry packe	lbook /hr acted fill or er	mbankment 0.9	backfill	
Initial Volume: 6 Swell factor: 1 Loose volume: 7 Source of estimated vo Source of estimated sw HOURLY PRODU Average push distance Unadjusted hourly pro Materials consistency Average push gradient Average site altitude: Material weight: Weight description: Job Condition Correct	5,111 .250 <b>7,639</b> LCY olume: <u>3 benche</u> well factor: <u>Cat Hanc</u> <u>JCTION</u> e: <u>50 feet</u> oduction: <u>800.0 LCY</u> description: <u>Compa</u> t: <u>30 %</u> <u>7,400 feet</u> <u>2,550 lbs/LCY</u> <u>Earth - Dry packe</u> tion Factor	lbook /hr acted fill or er	mbankment 0.9	backfill	
Initial Volume: 6 Swell factor: 1 Loose volume: 7 Source of estimated vo Source of estimated sw HOURLY PRODU Average push distance Unadjusted hourly pro Materials consistency Average push gradient Average site altitude: Material weight: Weight description: Job Condition Correct Operat	5,111         .250         7,639 LCY         olume:       3 benche         well factor:       Cat Hance         JCTION         e:       50 feet         oduction:       800.0 LCY         description:       Compa         t:       30 %	lbook /hr acted fill or er  d .750	mbankment 0.9	<u>backfill</u>	
Initial Volume: 6 Swell factor: 1 Loose volume: 7 Source of estimated vo Source of estimated sw HOURLY PRODU Average push distance Unadjusted hourly pro Materials consistency Average push gradien Average site altitude: Material weight: Weight description: Job Condition Correct Operat Material cons	5,111         .250 $7,639$ LCY         olume:       3 benche         well factor:       Cat Hance         JCTION         e:       50 feet         oduction:       800.0 LCY         description:       Compations         t:       30 %         7,400 feet         2,550 lbs/LCY         Earth - Dry packe         tion Factor         tor Skill:       0         sistency:       0	lbook /hr acted fill or er	mbankment 0.9	<u>backfill</u>	

Task # 01A

Job efficience	cy:	0.830	(1 SHIFT/DAY)
Spoil pi	le:	0.800	(FND-RF)
Push gradie	nt:	0.298	(CAT HB)
Altitud	le:	1.000	(CAT HB)
Material Weig	ht:	0.902	(CAT HB)
Blade typ	be:	1.000	(PAT)
Net correction	on: 0.1205		
Adjusted unit production:	96.40 LCY/h	r	
Adjusted fleet production:	96.4 LCY/hr		

# JOB TIME AND COST

Fleet size:	1 Dozer(s)
Unit cost:	\$2.719/LCY

Total job time:	<b>79.24</b> Hours
Total job cost:	\$20,771

# BULLDOZER RIPPING WORK

	Task description:	Rip at	ffected lands prior to to	psoil applicatio	n		
Site	Collett Prope	rty	Permit Action:	Арр	Permit/Jo	ob#: <u>M2</u>	024012
	PROJECT ID	ENTIFICATIC	<u>N</u>				
	Task #: 024	A	State: Colorado		Abbreviatio	n: Non	e
		0/2024	County: Rio Blanco		Filenam		2-02a
	User: AC	CY					
	Agency	or organization r	ame: DRMS				
	HOURLY EQ	UIPMENT CO	<u>ST</u>				
	Basic	Machine: Cat l	D7R DS Series II LGP		Horsepower:	240	
	Ripper Att		ank Ripper		Shift Basis:	1 per day	
					Data Source:	(CRG)	
	Cost Breakdown:	:					
		-			Utilization %		
		Ownership Cos		\$114.76	NA		
		Operating Cos		\$91.98	100		
		er Ownership Cos		\$9.06	NA		
	Rıpı	per Operating Cos		\$5.02	100		
		Operator Cos Total Unit Cos		\$41.30 \$262.12	NA		
			St/ HOUL.	\$202.12			
		Total Fleet Cos	st/Hour: \$262	.12			
	MATERIAL (	<u>UANTITIES</u>	Selec	cted estimating	method: Area		
	Alternate Method	ls:		6			
<b>C</b>		<u></u>	D. 1 V.1	NT A	DCV	NT A	
Seismic: Area:	NA 7.30	acres		NA 2.00	BCY Volume: 23,555	NA	BCY or CCY
Alca.	1.50						
		Source of estim	ated quantity: <u>Reclam</u>	ation Plan			
	HOURLY PR	ODUCTION					
	Seismic:						
	<u></u>	S	eismic Velocity:	NA	feet/second		
	Aroos						
	<u>Area:</u>	Average	Ripping Depth:	2.45	feet/pass		
			Ripping Width:	6.50	feet/pass		
			Ripping Length:	250.00	feet/pass		
			ge Dozer Speed:	88.00	feet/minute		
			Maneuver Time:	0.25	minutes/pass		
		Producti	on per unit area:	0.724	acres/hour		
	Job Condition Co	orrection Factors					
	Un	adjusted Hourly	Unit Production:	0.724	Acres/hr		
			Site Altitude:	7,400	feet		
			Altitude Adj:	1.00	(CAT HB)		
			Job Efficiency:	0.83	(1 shift/day)		
			Net Correction:	0.83	multiplier		
		Adjusted F	Hourly Unit Production:	0.60	Acres/hr		
			lourly Fleet Production:	0.60	Acres/hr		
	JOB TIME AN	•					
	Fleet size:	1	Grader(s)	Total job time	e: 12.15		Hours
		1		-			110415
	Unit cost:	\$436.105	Per acre	Total job cos	t: \$3,184		

# BULLDOZER WORK

Task description:	Apply topsoil to a				
Collett Property	Perr	nit Action: _A	Арр	Permit/Job#:	M2024012
PROJECT IDENTIE	FICATION				
Task #: 03A	State:	Colorado		Abbreviation:	None
Date: $5/20/2024$		Rio Blanco		Filename:	M012-03a
User: ACY				-	
Agency or orga	anization name: <u>DR</u>	MS			
HOURLY EQUIPM	ENT COST				
	at D7R DS Series II LO	GP	-		
Horsepower: 24			-		
	raight		-		
	shank ripper per day		-		
	(RG)		-		
Cost Breakdown:			-		
			Utilization %		
Ownership Cost/Hour:		\$114.76	NA		
Operating Cost/Hour: Ripper own. Cost/Hour:		\$91.98 \$9.06	100 NA		
Ripper own. Cost/Hour: Ripper op. Cost/Hour:		\$9.06	<u>NA</u> 30		
Ripper op. Cost/Hour.					
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour:	\$258.61 <b>\$258.61</b>	\$41.30	NA		
Total unit Cost/Hour:	\$258.61 \$258.61 TITIES 07	\$41.30	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUAN</u> Initial Volume: <u>4,90</u> Swell factor: <u>1.2</u>	\$258.61 \$258.61 TITIES 07	\$41.30	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUAN</u> Initial Volume: <u>4,90</u> Swell factor: <u>1.2</u>	\$258.61 \$258.61 TITIES 07 15 62 LCY	\$41.30  5" of topsoil	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 4,9 Swell factor: 1.2 Loose volume: 5,9	\$258.61 \$258.61 TITIES 07 15 62 LCY Ime: 7.3 ac @ 1	5" of topsoil	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 4,90 Swell factor: 1.2 Loose volume: 5,90 Source of estimated volu Source of estimated swe	\$258.61 \$258.61 TITIES 07 15 62 LCY ume: 7.3 ac @ : Cat Handl	5" of topsoil	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 4,90 Swell factor: 1.2 Loose volume: 5,90 Source of estimated volu Source of estimated swe HOURLY PRODUC	\$258.61 \$258.61 TITIES 07 15 62 LCY ume: 7.3 ac @ : 11 factor: Cat Handl TION	5" of topsoil	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 4,90 Swell factor: 1.2 Loose volume: 5,90 Source of estimated volu Source of estimated swe HOURLY PRODUC Average push distance:	\$258.61 \$258.61 TITIES 07 15 62 LCY 1me: 7.3 ac @ : Cat Handl TION 250 feet	5" of topsoil	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 4,90 Swell factor: 1.2 Loose volume: 5,90 Source of estimated volu Source of estimated swe HOURLY PRODUC	\$258.61 \$258.61 TITIES 07 15 62 LCY 1me: 7.3 ac @ : Cat Handl TION 250 feet	5" of topsoil	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 4,90 Swell factor: 1.2 Loose volume: 5,90 Source of estimated volu Source of estimated swe HOURLY PRODUC Average push distance:	\$258.61 \$258.61 TITIES 07 15 62 LCY Ime: 7.3 ac @ : Cat Handle TION 250 feet 1 230.4 LCY/	5" of topsoil			
Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       4,90         Swell factor:       1.2         Loose volume:       5,90         Source of estimated volu       Source of estimated swe         HOURLY PRODUC         Average push distance:         Unadjusted hourly produce         Materials consistency de         Average push gradient:	\$258.61         \$258.61         TITIES         07         15         62 LCY         Ime:       7.3 ac @ :         Ill factor:       Cat Handle         TION         action:       250 feet         action:       230.4 LCY/         escription:       Partly c         15 %	5" of topsoil book			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 4,90 Swell factor: 1.2 Loose volume: 5,90 Source of estimated volu Source of estimated volu Source of estimated swe HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude:	$ \begin{array}{r} & \$258.61 \\ & \$258.61 \\ \hline \\ \hline \$258.61 \\ \hline \\ \hline \\ 15 \\ \hline \\ 62 LCY \\ \hline \\ 15 \\ \hline \\ 62 LCY \\ \hline \\ 15 \\ \hline \\ 62 LCY \\ \hline \\ \hline \\ 15 \\ \hline \\ 15 \\ \hline \\ \hline \\ 250 feet \\ \hline \\ \hline \\ 230.4 LCY/ \\ \hline \\ $	5" of topsoil book			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 4,90 Swell factor: 1.2 Loose volume: 5,90 Source of estimated volu Source of estimated volu Source of estimated swe HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude:	\$258.61         \$258.61         TITIES         07         15         62 LCY         Ime:       7.3 ac @ :         Ill factor:       Cat Handle         TION         action:       250 feet         action:       230.4 LCY/         escription:       Partly c         15 %	5" of topsoil book			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 4,90 Swell factor: 1.2 Loose volume: 5,90 Source of estimated volu Source of estimated volu Source of estimated swe HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude:	$ \begin{array}{r} & \$258.61 \\ & \$258.61 \\ \hline \\ \hline \$258.61 \\ \hline \\ \hline \\ 15 \\ \hline \\ 62 LCY \\ \hline \\ 15 \\ \hline \\ 62 LCY \\ \hline \\ 15 \\ \hline \\ 62 LCY \\ \hline \\ \hline \\ 15 \\ \hline \\ 15 \\ \hline \\ \hline \\ 250 feet \\ \hline \\ \hline \\ 230.4 LCY/ \\ \hline \\ $	5" of topsoil book			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 4,90 Swell factor: 1.2 Loose volume: 5,90 Source of estimated volu Source of estimated volu Source of estimated swee HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correctio	\$258.61         \$258.61         \$258.61         07         15         62 LCY         ime:       7.3 ac @ :         11 factor:       Cat Handle         TION         action:       250 feet         230.4 LCY//         escription:       Partly c         15 %         7,400 feet         1,600 lbs/LCY         Top Soil         n Factor	5" of topsoil book			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 4,94 Swell factor: 1.2 Loose volume: 5,94 Source of estimated volu Source of estimated volu Source of estimated swe HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operator	\$258.61         \$258.61         \$258.61 $3258.61$ 07         15         62 LCY         Ime:       7.3 ac @ :         115         62 LCY         Ime:       7.3 ac @ :         11 factor:       Cat Handle         250 feet         action:       250 feet         230.4 LCY/         escription:       Partly c         15 %       7,400 feet         1,600 lbs/LCY       Top Soil         n Factor       0.'	book hr onsolidated ste 			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 4,90 Swell factor: 1.2 Loose volume: 5,90 Source of estimated volu Source of estimated volu Source of estimated swe HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correctio	\$258.61         \$258.61         \$258.61 $3258.61$ 07         15         62 LCY         Ime:       7.3 ac @ :         11 factor:       Cat Handle         TION         action:       250 feet         230.4 LCY/rescription:       Partly c         15 %       7,400 feet         1,600 lbs/LCY       Top Soil         n Factor       0.7         Skill:       0.7	5" of topsoil book			

Job efficience	cy: 0.830	(1 SHIFT/DAY)
Spoil pi	le: 0.800	(FND-RF)
Push gradie	nt: 0.666	(CAT HB)
Altitud	le: 1.000	(CAT HB)
Material Weig	ht: 1.438	(CAT HB)
Blade typ	pe: 1.000	(PAT)
Net correction	on: 0.5246	
Adjusted unit production:	120.87 LCY/hr	
Adjusted fleet production:	120.87 LCY/hr	

## JOB TIME AND COST

Fleet size:	1 Dozer(s)
Unit cost:	\$2.140/LCY

Total job time:	<b>49.33</b> Hours
Total job cost:	\$12,756

# **REVEGETATION WORK**

tion:	Reveg Affected Lands		
operty	Permit Action: <u>App</u> Permit		#: <u>M2024012</u>
IDENTIFI(	CATION		
04A	State: Colorado	Abbreviation:	None
5/20/2024 ACY	County: Rio Blanco	Filename:	M012-04a
	<b>IDENTIFIC</b> 04A 5/20/2024	DENTIFICATION         04A       State:       Colorado         5/20/2024       County:       Rio Blanco	DENTIFICATION04AState:ColoradoAbbreviation:5/20/2024County:Rio BlancoFilename:

## **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)		\$112.82
To	otal Tilling Cost/Acre	\$112.82

#### **SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	3.70	11.98	\$24.05
Galleta	4.38	15.99	\$97.89
Needle and Thread	6.06	16.00	\$253.61
Western Wheatgrass - Native	5.52	13.94	\$33.12
Globemallow, Scarlet (or copper)	0.50	5.66	\$67.75
Basin Wildrye - Trailhead	6.06	24.62	\$93.38
Totals Seed Mix	26.22	88.19	\$569.81

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
Hay, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$429.79	\$859.57
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$4.01	\$4.01
Total Mulch Materials Cost/Acre				\$863.58

#### Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$74.46
Power mulcher (MEANS 32 91 13.16 0350)		\$147.67
Weed spray, truck, non-aquatic area, nox. [DMG]		\$62.72
	Total Mulch Application Cost/Acre	\$284.85

#### **NURSERY STOCK PLANTING**

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

# JOB TIME AND COST

	No. of Acres:	7.3		Cost /Acre:	\$2,098.28
Estimate	ed Failure Rate:	40%		Cost /Acre*:	\$1,985.46
*Selected Replanti	ng Work Items:	SEEDING,MUL	CHING		
Initial Job Cost:	\$15,317.44				
Reseeding Job Cost:					
Total Job Cost:	\$21,115				
Job Hours:	12.00				

# EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description	: Ini	tial Mobilization					
Collett Prope	rty	Permit	Action: App		I	Permit/Job#: <u>M</u>	2024012
PROJECT IDE	NTIFICATI	ON					
Task #:       05.         Date:       5/2         User:       AC	20/2024		o Blanco			eviation: <u>None</u> lename: <u>M012</u>	2-05a
Agency	or organization	n name: DRMS					
EQUIPMENT 7	<b>FRANSPOR</b>	<u>T RIG COST</u>					
Truc	k Tractor Desc	ription: GENE	RIC ON-HIGH		Shift ba Cost Data Sour CK TRACTO		ta
Truc	ek Trailer Desc	ription: G		DING GOO	(2ND HALF, SENECK, DF (25T, 50T, AN	ROP DECK EQU	IPMENT
Cost Breakdown: Available Rig C	anasitios	0-25 Tons	26-50 Tons	51	Tons		
	o Cost/Hour:	\$20.26	\$36.04		7.05		
	g Cost/Hour:	\$39.51	\$76.08		2.85		
	r Cost/Hour:	\$22.52	\$22.52		2.52		
	r Cost/Hour:	\$0.00	\$23.53		3.53		
	t Cost/Hour:	\$82.29	\$158.17		75.95		
NON ROADAB	LE EQUIP	MENT:					
Machine Description	Weight/ Unit (TONS)	Owner ship Cost/hr/ unit	Haul Rig Cost/hr/uni t	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Cat D7R DS Series II LGP	38.49	\$123.82	\$158.17	1	\$281.99	\$158.17	\$250.00
Drill/Broadcast Seeder with Tractor	25.00	\$6.73	\$82.29	1	\$89.02	\$82.29	\$250.00
Power Mulcher (Bowie LD-90)	6.00	\$25.94	\$82.29	1	\$108.23	\$82.29	\$250.00
				Subtotals:	\$479.24	\$322.75	\$750.00

#### **ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Flatbed Truck, 6x4, 45K GVW	\$116.51	1	\$116.51	\$116.51
Light Duty Pickup, 4x4, 1 T.	\$55.12	1	\$55.12	\$55.12
Crew				
		Subtotals:	\$171.63	\$171.63

# **EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region:	RIFLE, CO	
Total one-way travel distance:	20.00	miles
Average Travel Speed:	55.00	mph
Total Non-Roadable Mob/Demob Cost *	\$3,041.75	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$124.82	

Transportation Cycle Time:

	Non- Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	0.36	0.36
Return Time (Hours):	0.36	0.36
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.73	0.73

#### JOB TIME AND COST

Total job time: \_\_\_\_\_ **3.45** Hours

Total job cost: \$3,167

# EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description:	Sec	ondary Mobilizat	tion				
e: Collett Proper	·ty	Permit	Action: <u>App</u>		1	Permit/Job#: <u>N</u>	12024012
PROJECT IDE	NTIFICATI	<u>ON</u>					
Task #: 05H	3	State: Co	olorado		Abbre	eviation: None	e
	0/2024		o Blanco				2-05b
User: AC	Y	•					
Agency	or organization	n name: DRMS					
EQUIPMENT 1	RANSPOR	<u>T RIG COST</u>					
					Shift ba	sis: 1 per d	av
				(	Cost Data Sour		
Truck	Tractor Desc	ription: GENE	RIC ON-HIGH	ωδν τρι		OR, 6X4, DIESE	I POWERED
THUCK	The for Dese	inpuoli. OENE			(2ND HALF,		LIOWERED,
Truc	k Trailer Desc	ription: G	ENERIC FOLD			ROP DECK EQU	JIPMENT
11de	k Huner Dese				(25T, 50T, AN	-	
					(,,,,		
Cost Breakdown:							
Available Rig C	apacities	0-25 Tons	26-50 Tons	51+	Tons		
1	Cost/Hour:	\$20.26	\$36.04		7.05		
	Cost/Hour:	\$39.51	\$76.08		32.85		
	Cost/Hour:	\$22.52	\$22.52		22.52		
	Cost/Hour:	\$0.00	\$23.53		23.53		
Total Unit	Cost/Hour:	\$82.29	\$158.17	\$1	75.95		
NON ROADAB	<u>LE EQUIPN</u>	<u>MENT:</u>					
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	2.22	fleet		
Drill/Broadcast	25.00	\$6.73	\$82.29	1	\$89.02	\$82.29	\$250.00
Seeder with Tractor							
Power Mulcher	6.00	\$25.94	\$82.29	1	\$108.23	\$82.29	\$250.00
(Bowie LD-90)	0.00	φ <i>ΔJ</i> .7 <del>4</del>	ψ02.27	1	φ100.23	ψ02.27	φ230.00
				Subtotals:	\$197.25	\$164.58	\$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. Crew	\$55.12	1	\$55.12	\$55.12
		Subtotals:	\$55.12	\$55.12

# **EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region: Total one-way travel distance:	RIFLE, CO 20.00	miles
Average Travel Speed:	55.00	mph
Total Non-Roadable Mob/Demob Cost *	\$1,657.65	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$40.09	

Transportation Cycle Time:

Haul Time (Hours):	Non- Roadable Equipment 0.36	Roadable Equipment 0.36
Return Time (Hours): Loading Time (Hours):	0.36 0.50	0.36 NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.73	0.73

#### JOB TIME AND COST

Total job time: 3.45 Hours

Total job cost: \$1,698