

Carter - DNR, Jocelyn <jocelyn.carter@state.co.us>

## Falk Pit #1 M-2010-043 Conversion Application CN-1 Adequacy Review w/ Reclamation Cost Estimate

1 message

Carter - DNR, Jocelyn <jocelyn.carter@state.co.us>

To: mason chamberlain <masonchamberlain@yahoo.com>

Thu, Dec 12, 2024 at 11:37 AM

Cc: Amy Eschberger - DNR <amy.eschberger@state.co.us>, Corie Flores <corieflores@gmail.com>, Ursula Armstrong - DNR <ursula.armstrong@state.co.us>, Environment-Inc <environment-inc@outdrs.net>

Hello Mason and Corie,

Please see the attached adequacy letter for the CN-1 application. The remaining matter is the reclamation cost estimate for the permit. I have included an updated reclamation cost estimate that I calculated. Please take a look at it and if you have any questions, please let me know.

Just as a reminder, the decision date for this application is December 15, 2024, if you feel that you need more time to review and provide comments on the estimate, please submit a request to extend the decision date in writing before the decision date.

Thanks, Jocelyn

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Jocelyn Carter Environmental Protection Specialist Division of Reclamation, Mining, and Safety 1313 Sherman St Suite 215 Denver, CO 80203 cell: (720) 666-1065





December 12, 2024

Mason Chamberlain Chamberlain Concrete 36415 U. S. Highway 385 P.O. Box 425 Wray, CO 80758

#### RE: Falk Pit #1 - File No. M-2010-043, Permit Conversion Application (CN-1) Adequacy Review #2

Dear Mason Chamberlain:

On August 20, 2024, the Division of Reclamation, Mining and Safety (Division/DRMS) considered the Construction Materials Reclamation Permit Conversion application (CN-1) for the Falk Pit #1, located in Phillips County, complete and filed. An adequacy review was sent by the Division on October 4, 2024, and with the responses provided on December 5, 2024, a reclamation cost estimate was calculated. Below is a summary of the updated reclamation cost estimate.

#### Rule 6.4.12 Exhibit L -Reclamation Costs

1. The updated calculated reclamation costs for the increased permit area to 13.19 acres and proposed operation are *\$57,575.00*. The current bond held by the Division is \$45,807.00, the estimate is an increase of \$11,678.00. Please see the attached complete cost estimate for the reclamation project for the CN-1 application. Review the calculated reclamation cost estimate and provide any comments in a letter to the Division by the decision date.

This concludes the Division's second adequacy review of the CN-1 application for the Falk Pit #1. The decision date for the CN-1 application is scheduled for **December 15, 2024.** Please respond in a timely manner to allow the Division about two weeks to review the responses to the issues outlined in this letter. If more time is required to address the items above, provide a written request for an extension of the decision date before **December 15, 2024.** 

If you have any questions, please contact me by telephone at (720) 666-1065, or by email at Jocelyn.carter@state.co.us.

Sincerely,

Jocelyn L. Carter Environmental Protection Specialist



December 12, 2024 Mason Chamberlain Page **2** of **2** 

Ec: Amy Eschberger, DRMS Ursula Armstrong, DRMS Corie Flores, Chamberlain Enterprises, LLC

Enclosures: DRMS CIRCES Cost Estimate

# COST SUMMARY WORK

	sk description: 000						
Site:	Falk Pit #1Perm	nit Action:	2024 CN1		Permit	/Job#:	M2010043
<u>PR</u> (	OJECT IDENTIFICATION						
	Task #: 000 State:	Colorado		I	Abbreviatio	n: No	one
		Phillips			Filenam	e: M	043-000
	User: JLC						
	Agency or organization name:	AS					
<u>TA</u>	<u>SK LIST (DIRECT COSTS)</u>						
Task	Description		Form Used	Fleet Size	Task Hours	(	Cost
001	Backfill/Regrade Slopes to 3:1		DOZER	1	71.51		24,095
002	Replace Topsoil		DOZER	1	16.01	\$	5,414
003	Revegetate the Site		REVEGE	1	5.00	\$	512,426
004	Mob/Demob Reclamation Equipment		MOBILIZE	1	3.57	\$	2,586
			<u>SUBTC</u>	)TALS:	96	5.09 \$	44,521
INI	DIRECT COSTS						
OV	ERHEAD AND PROFIT:						
<u>OV</u> ]	ERHEAD AND PROFIT: Liability insurance: 2.02				Total =	\$899	
<u>OV</u> ]					Total = Total =	\$899 \$467	
<u>OV.</u>	Liability insurance:2.02Performance bond:1.05Job superintendent:24.00				Total = Total =	\$467 \$1,902	
<u>OV:</u>	Liability insurance: 2.02 Performance bond: 1.05				Total = Total = Total =	\$467 \$1,902 \$4,452	2
<u>OV.</u>	Liability insurance:2.02Performance bond:1.05Job superintendent:24.00				Total = Total = Total = O & P =	\$467 \$1,902 \$4,452 \$7,72	2
<u>OV</u> .	Liability insurance:2.02Performance bond:1.05Job superintendent:24.00	CONTR	ACT AMOUNT		Total = Total = Total = O & P =	\$467 \$1,902 \$4,452	2
	Liability insurance:2.02Performance bond:1.05Job superintendent:24.00		ACT AMOUNT		Total = Total = Total = O & P =	\$467 \$1,902 \$4,452 \$7,72	2
	Liability insurance: 2.02 Performance bond: 1.05 Job superintendent: 24.00 Profit: 10.00	GEMENT:	ACT AMOUNT \$500		Total = Total = Total = O & P =	\$467 \$1,902 \$4,452 \$7,72	2
	Liability insurance: 2.02 Performance bond: 1.05 Job superintendent: 24.00 Profit: 10.00 GAL - ENGINEERING - PROJECT MANAG	GEMENT: d costs): _			Total = Total = Total = . O & P = O & P) =	\$467 \$1,902 \$4,452 \$7,72 \$52,24	2 1 42
	Liability insurance: 2.02 Performance bond: 1.05 Job superintendent: 24.00 Profit: 10.00 GAL - ENGINEERING - PROJECT MANAG	GEMENT: d costs): _ paration: _	\$500		Total = $Total =$ $Total =$ $O & P =$ $O & P) =$ $Total =$	\$467 \$1,902 \$4,452 \$7,72 \$52,24 \$500	2 1 42 0
	Liability insurance: 2.02 Performance bond: 1.05 Job superintendent: 24.00 Profit: 10.00 GAL - ENGINEERING - PROJECT MANA Financial warranty processing (legal/relate Engineering work and/or contract/bid prep	GEMENT: d costs): _ paration: _ istration: _	\$500 4.25		Total = $Total =$ $Total =$ $O & P =$ $O & P) =$ $Total =$	\$467 \$1,902 \$4,452 \$7,72 \$52,24 \$500 \$2,220	2 1 42 0
	Liability insurance: 2.02 Performance bond: 1.05 Job superintendent: 24.00 Profit: 10.00 GAL - ENGINEERING - PROJECT MANAG Financial warranty processing (legal/relate Engineering work and/or contract/bid prep Reclamation management and/or admini	GEMENT: d costs): _ paration: _ istration: _	\$500 4.25 5.00	- - -	Total = Total = Total = O & P = O & P) = Total = Total =	\$467 \$1,902 \$4,452 \$7,722 \$52,24 \$500 \$2,220 \$2,612	2 1 42 0 2

## BULLDOZER WORK

Task description:	Backfill/Regrade	e Stopes to 5	.1		
FalkPit #1	Per	mit Action:	2024 CN1	Permit/Job#:	M2010043
PROJECT IDENTI	<b>FICATION</b>				
Task #: 001	State:	Colorado		Abbreviation:	None
Date: $12/11/202$		Phillips		Filename:	001
User: JLC	<u> </u>	ps			
Agency or orga	anization name: DF	RMS			
HOURLY EQUIPM					
	at D8T - 8SU				
Horsepower: 31					
	emi-Universal				
	shank ripper				
	per day				
	RG)				
<u></u>					
Cost Breakdown:		1			
o o		<b>4 - - -</b>	<u>Utilization %</u>		
Ownership Cost/Hour:		\$173.32	NA		
Operating Cost/Hour:		\$109.71	100		
<b>D</b> : ~		\$14.53	NA		
Ripper own. Cost/Hour:					
Ripper op. Cost/Hour:		\$0.80	10		
	\$336.94 <b>\$336.94</b>	\$0.80	NA		
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume:17,	\$336.94 <b>\$336.94</b> <b>TITIES</b> 913				
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN' Initial Volume: <u>17,9</u> Swell factor: <u>1.00</u>	\$336.94 <b>\$336.94</b> <b>TITIES</b> 913				
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN' Initial Volume: <u>17,9</u> Swell factor: <u>1.00</u>	\$336.94 <b>\$336.94</b> <b>TITIES</b> 913 00 <b>913</b> LCY Ime:Operator	\$38.59			
Ripper op. Cost/Hour:         Operator Cost/Hour:         Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUAN'         Initial Volume:       17,9         Swell factor:       1.00         Loose volume:       17,9         Source of estimated volume:       100	<u>\$336.94</u> <b>\$336.94</b> <b>FITIES</b> 913 00 <b>913</b> LCY Ime: Operator Il factor: Cat Hand	\$38.59			
Ripper op. Cost/Hour:         Operator Cost/Hour:         Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUAN'         Initial Volume:       17,9         Swell factor:       1.00         Loose volume:       17,9         Source of estimated volu         Source of estimated swe         HOURLY PRODUC         Average push distance:	<u>\$336.94</u> <b>\$336.94</b> <b>TITIES</b> 913 00 <b>913</b> LCY Ime: <u>Operator</u> Il factor: <u>Cat Hand</u> <b>TION</b> <u>150 feet</u>	\$38.59  Estimate lbook			
Ripper op. Cost/Hour:         Operator Cost/Hour:         Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUAN'         Initial Volume:       17,9         Swell factor:       1.00         Loose volume:       17,9         Source of estimated volu       Source of estimated swe         HOURLY PRODUC       100	<u>\$336.94</u> <b>\$336.94</b> <b>TITIES</b> 913 00 <b>913</b> LCY Ime: <u>Operator</u> Il factor: <u>Cat Hand</u> <b>TION</b> <u>150 feet</u>	\$38.59			
Ripper op. Cost/Hour:         Operator Cost/Hour:         Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUAN'         Initial Volume:       17,9         Swell factor:       1.00         Loose volume:       17,9         Source of estimated volu         Source of estimated swe         HOURLY PRODUC         Average push distance:	\$336.94 <b>\$336.94</b> <b>TITIES</b> 913 00 <b>913</b> LCY ume: Operator 11 factor: Cat Hand <b>TION</b> action: 150 feet 634.3 LCY	\$38.59	NA		
Ripper op. Cost/Hour:         Operator Cost/Hour:         Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUAN'         Initial Volume:       17,9         Swell factor:       1.00         Loose volume:       17,9         Source of estimated volu         Source of estimated swe         HOURLY PRODUC         Average push distance:         Unadjusted hourly produ	\$336.94 <b>\$336.94</b> <b>TITIES</b> 913 00 <b>913</b> LCY ume: Operator 11 factor: Cat Hand <b>TION</b> action: 150 feet 634.3 LCY	\$38.59  Estimate lbook	NA		
Ripper op. Cost/Hour:         Operator Cost/Hour:         Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUAN'         Initial Volume:       17,9         Swell factor:       1.00         Loose volume:       17,9         Source of estimated volu         Source of estimated swe         HOURLY PRODUC         Average push distance:         Unadjusted hourly produ         Materials consistency de         Average push gradient:	\$336.94 \$336.94 <b>TITIES</b> 913 00 <b>913</b> LCY Ime: Operator 11 factor: Cat Hand <b>TION</b> action: 150 feet 634.3 LCY escription: Consol 0 %	\$38.59  Estimate lbook	NA		
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Ripper op. Cost/Hour:         Operator Cost/Hour:         Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       17,9         Swell factor:       1.00         Loose volume:       17,9         Source of estimated volu         Source of estimated swe         HOURLY PRODUC         Average push distance:         Unadjusted hourly produ         Materials consistency de         Average site altitude:         Material weight:         Weight description:         Job Condition Correctio	\$336.94 \$336.94 <b>FITIES</b> 913 00 <b>913</b> LCY Ime: Operator 11 factor: Cat Hand <b>TION</b> action: 150 feet 634.3 LCY/ escription: Consol 0 % 3,980 feet 2,900 lbs/LCY Sand and gravel - 1 n Factor	\$38.59  Stimate Stimat			
Ripper op. Cost/Hour:         Operator Cost/Hour:         Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUAN         Initial Volume:       17,9         Swell factor:       1.00         Loose volume:       17,9         Source of estimated volu       5000000000000000000000000000000000000	\$336.94         \$336.94 <b>FITIES</b> 913         00 <b>913</b> LCY         ume:       Operator         11 factor:       Cat Hand <b>TION</b> uction:       150 feet         iotion:       634.3 LCY/         escription:       Consol         0 %       3,980 feet         2,900 lbs/LCY       Sand and gravel -         n Factor       0.	\$38.59  Estimate book /hr idated stockp Dry .750	NA		
Ripper op. Cost/Hour:         Operator Cost/Hour:         Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUAN'         Initial Volume:       17,9         Swell factor:       1.00         Loose volume:       17,9         Source of estimated volu         Source of estimated sweet         HOURLY PRODUC         Average push distance:         Unadjusted hourly produt         Materials consistency det         Average site altitude:         Material weight:         Weight description:         Job Condition Correction         Operator         Material consist	\$336.94         \$336.94 <b>FITIES</b> 913         00 <b>913</b> LCY         ume:       Operator         Il factor:       Cat Hand <b>TION</b> uction:       150 feet         634.3 LCY         escription:       Consol         0 %         3,980 feet         2,900 lbs/LCY         Sand and gravel -         • Skill:       0.         .tency:       1.	\$38.59  Estimate book /hr idated stockp Dry .750 .000	NA		
Ripper op. Cost/Hour:         Operator Cost/Hour:         Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUAN'         Initial Volume:       17,9         Swell factor:       1.00         Loose volume:       17,9         Source of estimated volu         Source of estimated swee         HOURLY PRODUC         Average push distance:         Unadjusted hourly produ         Materials consistency de         Average site altitude:         Material weight:         Weight description:         Job Condition Correctio         Operator         Material consis         Dozing m	\$336.94         \$336.94 <b>\$336.94 TITIES</b> 913         00 <b>913</b> LCY         ume:       Operator         Il factor:       Cat Hand <b>TION</b> action: $150$ feet         action: $634.3$ LCY         escription:       Consol $0$ % $3,980$ feet $2,900$ lbs/LCY       Sand and gravel -         n Factor       Skill:       0.         tency:       1.         ethod:       1.	\$38.59  Estimate book /hr idated stockp Dry .750	NA		

Job efficience	y: 0.830	(1 SHIFT/DAY)
Spoil pi	e: 0.800	(FND-RF)
Push gradier	nt: 1.000	(CAT HB)
Altitud	e: 1.000	(CAT HB)
Material Weigl	nt: 0.793	(CAT HB)
Blade typ	e: 1.000	(PAT)
Net correctio	n: 0.3949	
Adjusted unit production:	250.49 LCY/hr	
Adjusted fleet production:	250.49 LCY/hr	

# JOB TIME AND COST

Fleet size:	1 Dozer(s)
Unit cost:	\$1.345/LCY

Total job time:	71.51 Hours
Total job cost:	\$24,095

## BULLDOZER WORK

Task description:	Replac	c ropson				
: FalkPit #1		Perm	mit Action:	2024 CN1	Permit/Job#:	M2010043
PROJECT IDEN	TIFICATIO	N				
Task #: 002		State:	Colorado		Abbreviation:	None
Date: $12/11/2$	2024	County:	Phillips		Filename:	002
User: JLC						
Agency or	organization n	ame: DR	MS			
HOURLY EQUIE	PMENT COS	<u>ST</u>				
Basic Machine:	Cat D8T - 8S	U				
Horsepower:	310					
Blade Type:	Semi-Univer					
Attachment:	3-shank rippe	er				
Shift Basis: Data Source:	1 per day					
=	(CRG)					
Cost Breakdown:						
			¢172.22	<u>Utilization %</u>		
Ownership Cost/Ho Operating Cost/Ho			\$173.32 \$109.71	NA 100		
Ripper own. Cost/Ho			\$14.53	NA		
Ripper op. Cost/Ho			\$1.99	25		
Operator Cost/Ho			\$38.59	NA		
1						
Total Fleet Cost/Hou	ır: <b>\$338.1</b> .	,				
MATERIAL QUA		<u>,                                     </u>				
MATERIAL QUA	<b>ANTITIES</b> 5,640	<u>,                                     </u>				
MATERIAL QUA Initial Volume: Swell factor:	ANTITIES 5,640 1.000					
MATERIAL QUA Initial Volume: Swell factor:	<b>ANTITIES</b> 5,640		_			
MATERIAL QUA Initial Volume: Swell factor:	ANTITIES 5,640 1.000 5,640 LCY	Operator 1	 Estimate			
MATERIAL QUA Initial Volume: Swell factor: Loose volume:	ANTITIES 5,640 1.000 5,640 LCY volume:					
MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated a Source of estimated a	ANTITIES 5,640 1.000 5,640 LCY volume: swell factor:	Operator 1				
MATERIAL QUA Initial Volume:	ANTITIES 5,640 1.000 5,640 LCY volume: swell factor: UCTION	Operator I Cat Handl				
MATERIAL QUA Initial Volume:	ANTITIES 5,640 1.000 5,640 LCY volume: swell factor: UCTION ce:	Operator 1 Cat Handl	book			
MATERIAL QUA Initial Volume:	ANTITIES 5,640 1.000 5,640 LCY volume: swell factor: UCTION ce:	Operator I Cat Handl	book			
MATERIAL QUA Initial Volume:	ANTITIES           5,640           1.000           5,640 LCY           volume:           swell factor:           UCTION           ce:         2           roduction:         2	Operator 1 Cat Handl 200 feet 191.9 LCY/	book	  bile 1.0		
MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated a Source of estimated a HOURLY PROD Average push distand Unadjusted hourly prod	ANTITIES           5,640           1.000           5,640 LCY           volume:           swell factor:           UCTION           ce:         2           roduction:         2           y description:           ent:         0 %	Operator 1 Cat Handl 200 feet 191.9 LCY/1 Consoli	book hr	  pile 1.0		
MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated of Source of estimated of HOURLY PROD Average push distance Unadjusted hourly pro- Materials consistence Average push gradie	ANTITIES           5,640           1.000           5,640 LCY           volume:           swell factor:           UCTION           ce:         2           roduction:         2           y description:           ent:         0 %           ::         3,980 fer	Operator 1 Cat Handl 200 feet 191.9 LCY/1 Consoli	book hr	  bile 1.0		
MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated of Source of estimated of MOURLY PROD Average push distand Unadjusted hourly pu Materials consistency Average push gradie Average site altitude	ANTITIES           5,640           1.000           5,640 LCY           volume:           swell factor:           UCTION           ce:         2           roduction:         2           y description:           ent:         0 %           ::         3,980 fer	Operator 1 Cat Handl 200 feet 91.9 LCY/ Consoli eet ps/LCY	book hr	  bile 1.0		
MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated Materials consistency Average push distand Unadjusted hourly pu Materials consistency Average push gradie Average site altitude Material weight: Weight description:	ANTITIES         5,640         1.000         5,640 LCY         volume:         swell factor:         UCTION         ce:          roduction:          y description:         ent:       0 %         ::	Operator 1 Cat Handl 200 feet 91.9 LCY/ Consoli eet ps/LCY	book hr			
MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated is Source of estimated is MOURLY PROD Average push distand Unadjusted hourly pr Materials consistency Average push gradie Average site altitude Material weight: Weight description: Job Condition Correct	ANTITIES         5,640         1.000         5,640 LCY         volume:         swell factor:         UCTION         ce:          roduction:          y description:         ent:       0 %         ::	Operator 1 Cat Handl 200 feet 191.9 LCY/ Consoli eet os/LCY	book hr			
MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated of Source of estimated of Auterials consistency Average push distand Unadjusted hourly pu Materials consistency Average push gradie Average site altitude Material weight: Weight description: Job Condition Correct Oper Material con	ANTITIES         5,640         1.000         5,640 LCY         volume:         swell factor:         UCTION         ce:       2         roduction:       4         y description:         ent:       0 %          3,980 fe	Operator I Cat Handl 200 feet 191.9 LCY/I Consoli eet os/LCY il	book hr idated stocky	Source		
MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated of Source of estimated of Average push distand Unadjusted hourly pro- Materials consistency Average push gradie Average site altitude Material weight: Weight description: Job Condition Correa Oper Material co Dozing	ANTITIES         5,640         1.000         5,640 LCY         volume:         swell factor:         UCTION         ce:       _2         roduction:       _2         y description:         ent:       _0 %	Operator I Cat Handl 200 feet 91.9 LCY/I Consoli eet bs/LCY il 0.7 1.0	book hr idated stocky	Source (AVG.)		

Job efficient	cy:	0.830	(1 SHIFT/DAY)
Spoil pi	ile:	0.800	(FND-RF)
Push gradie	Push gradient:		(CAT HB)
Altitud	de:	1.000	(CAT HB)
Material Weig	ht:	1.438	(CAT HB)
Blade typ	pe:	1.000	(PAT)
Net correction	on:	0.7161	
Adjusted unit production:	35	2.25 LCY/hr	
Adjusted fleet production:	35	2.25 LCY/hr	

## JOB TIME AND COST

Fleet size:	1 Dozer(s)
Unit cost:	\$0.960/LCY

Total job time:	<b>16.01</b> Hours
Total job cost:	\$5,414

## **REVEGETATION WORK**

Task description:		Revegetate the Si	te					
Site: I	Falk Pit #1		Perr	nit Action:	2024 CN1	 Permit/Job	#: <u>M2010043</u>	
<u>PR(</u>	DJECT II	DENTIFIC	ATION					
	Date:	003 12/11/2024 JLC		Colorado Phillips		 Abbreviation: Filename:	None 003	
	Agen	cy or organiz	zation name:	MS		 		

## **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
	\$
Total Tilling Cost/Acre	\$0.00

### **SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Big Bluestem - Kaw	2.20	6.57	\$34.52
Indiangrass - Cheyenne	1.00	3.05	\$12.30
Switchgrass - Blackwell	2.00	17.86	\$26.44
Alfalfa - Ladak (inoculated)	0.80	3.86	\$3.18
Western Wheatgrass - Barton	1.60	4.04	\$15.03
Totals Seed Mix	7.60	35.37	\$91.48

Application

Description		Cost /Acre
Drill Seeding (DRMS Survey Cost)		\$236.64
	<b>Total Seed Application Cost/Acre</b>	\$236.64

#### **MULCHING and MISCELLANEOUS**

#### Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$492.78	\$985.56
Total Mulch Materials Cost/Acre				\$985.56

#### Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$85.37
	<b>Total Mulch Application Cost/Acre</b>	\$85.37

#### NURSERY STOCK PLANTING

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

#### JOB TIME AND COST

	No. of Acres: ed Failure Rate:	25%	Cost /Acre: Cost /Acre*:	
*Selected Replanti	ng Work Items:	SEEDING		
Initial Job Cost:	\$11,738.03			
Reseeding Job Cost:	\$688.23			
Total Job Cost:	\$12,426			
Job Hours:	5.00			

### EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description:	Mo	b/Demob Reclam	ation Equipme	ent			
e: Falk Pit #1		Permit	Action: <u>2024</u>	CN1	]	Permit/Job#: <u>N</u>	12010043
PROJECT IDE	NTIFICATI	<u>ION</u>					
Task #: 004	Ļ	State: Co	olorado		Abbre	eviation: None	2
	11/2024	County: Ph	illips		Fi	ilename: 004	
User: JLC	2						
Agency of	or organization	n name: DRMS					
EQUIPMENT 1	<b>TRANSPOR</b>	T RIG COST					
		<u>1 KIO COST</u>			<b>Ch</b> : <b>C</b> t h a		
				(	Shift ba Cost Data Sour		
Truck	c Tractor Desc	cription: GENE	RIC ON-HIGH			DR, 6X4, DIESE	L POWERED,
Tures	I. T		ENEDIC FOLD		(2ND HALF,		
Iruc	k Trailer Desc	cription: G			(25T, 50T, A)	ROP DECK EQU	IPMENI
				INAILEN	(231, 301, Al	ND 1001)	
Cost Breakdown:							
Available Rig C	apacities	0-25 Tons	26-50 Tons	51-	- Tons		
	Cost/Hour:	\$10.44	\$22.18		23.94		
	g Cost/Hour:	\$26.48	\$54.55		55.65		
Operator	Cost/Hour:	\$22.52	\$22.52	\$2	22.52		
Helper	Cost/Hour:	\$0.00	\$23.53	\$2	23.53		
Total Unit	t Cost/Hour:	\$59.44	\$122.78	\$1	25.64		
NON ROADAB	LE EQUIPN	<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
L	(TONS)		t		fleet		
Cat D8T - 8SU	53.08	\$187.85	\$125.64	1	\$313.49	\$125.64	\$250.00
Drill/Broadcast	25.00	\$41.02	\$59.44	2	\$200.92	\$118.88	\$250.00
Seeder with Tractor							
	<u> </u>		1	1	·		1
				Subtotals:	\$514.41	\$244.52	\$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, 3/4 T.	\$97.64	1	\$97.64	\$97.64
		Subtotals:	\$97.64	\$97.64

## **EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region:	YUMA	
Total one-way travel distance:	33.00	miles
Average Travel Speed:	45.00	mph
Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig:	\$2,442.32	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$143.21	

Transportation Cycle Time:

	Non-	D 1.11.
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	0.73	0.73
Return Time (Hours):	0.73	0.73
Loading Time (Hours):	0.16	NA
Unloading Time (Hours):	0.16	NA
Subtotals:	1.79	1.47

#### JOB TIME AND COST

Total job time: 3.57 Hours

Total job cost: **\$2,586**