

#### **Reclamation Cost Estimate M2023031**

Elliott Russell (DNR-DRMS) <elliott.russell@state.co.us> To: gizzmike@yahoo.com Cc: ART BRAUN <braunenv@msn.com>

Mon, Apr 8, 2024 at 5:22 PM

Mike

As discussed, attached for your review is the Reclamation Cost Estimate for the State's liability regarding the "worse-case" scenario with the proposed mining plan to reclaim the site as outlined in the proposed reclamation plan. Please review this estimate and let me know if you have any questions or find any errors. The Division will proceed with approving your permit once you respond to this email. Once you submit the \$8,500 financial warranty and the Division accepts it, the permit will be issued.

As you requested, here is the Letter of Credit financial warranty form (https://drive.google.com/file/d/1ot7LtqxbF91qzrJ3WTZb5BPazI2xXTP7/view) as well as the Corporate Surety financial warranty form ( https://drive.google.com/file/d/1jO7vBOc37zgRVy-y35PJmJmxd\_7DDNj8/view ). In addition to the bonding instrument and the associated form, you will also need to submit a Performance Warranty (https://drive.google.com/file/d/1AÓVhjNxpJrTXrT1Uk18Reg8bZ9bOa Qsk/view ) and Affidavit of Authority ( https://drive.google.com/file/d/1sQ6O5L8MDSAeS fhqGqNodEj3LujkH5q/view ). For specific questions on financial warranties, please contact the Division's Financial Assurance Specialist, Sara Stevenson-Benn (303-866-3567x8148).

Please let me know if you have any questions.

Elliott Russell **Environmental Protection Specialist** Minerals Regulatory Program



COLORADO Division of Reclamation, Mining and Safety

Department of Natural Resources

I am working remotely and can be reached at 303.903.4456

\*\*\*Please note the Division's mailing address has changed\*\*\*

P 303.866.3567 x8132 | F 303.832.8106 | C 303.903.4456 Physical: 1313 Sherman Street, Room 215, Denver, CO 80203 Mailing: DRMS Room 215, 1001 E 62nd Ave, Denver, CO 80216 Elliott.Russell@state.co.us | https://drms.colorado.gov

Reclamation Cost Estimate M2023031.pdf 465K

# COST SUMMARY WORK

Task description:	Cost Summary of Reclamat	ion Tasks			
te: Wild Cat Claim	Permit Action:	New Application	on	Permit/Job	#: <u>M2023031</u>
PROJECT IDENTIFIC	CATION				
Task #: 000	State: Colorado			Abbreviation:	None
Date: 4/8/2024	County: Teller			Filename:	M031-000
User: ERR				_	141051 000
Agency or organ	nization name: DRMS				
TASK LIST (DIRECT	COSTS)				
		Form	Fleet	Task	
sk Description		Used	Size	Hours	Cost
Shape 3H:1V Sloped	d Areas	LOADER	1	5.12	\$665
Finish 3H:1V Sloped		GRADER	1	1.89	\$300
Replace Topsoil on 3		LOADER	1	5.33	\$692
Finish Leveled Pad		GRADER	1	4.77	\$759
Revegetate Sloped A	Areas	REVEGE	1	2.00	\$1,110
Mob/Demob Reclam	nation Equipment	MOBILIZE	1	3.80	\$2,770
		CAMPAG	NELT C	22.91	\$6,296
		SUBTO	<u> DTALS:</u>	22.91	\$0,290
INDIRECT COSTS  OVERHEAD AND PROF  Liability insura Performance b Job superintence Pr	once: 2.02 ond: 1.05 dent: 11.45 rofit: 10.00	RACT AMOUNT			6 45
LEGAL - ENGINEERING	G - PROJECT MANAGEMENT:	:			
Financial warranty p	rocessing (legal/related costs):	\$0		Total = \$0	
	nd/or contract/bid preparation:	0.00	_	Total = \$0	
Reclamation mana	gement and/or administration:	5.00	=	\$39	93
	CONTINGENCY:	3.00		Total =\$1	89
		TOTAL I	NDIRECT	$\Gamma \text{ COST} = \$2$	,150
		TOTAL (	(direct + i	ndirect) = \$8.	,446
	тот	'AL ROND AMO	MINT (	on — (bohuu	500

## WHEEL LOADER – LOAD AND CARRY WORK

Task description:	Shape 31	H:1V Sloped Are	eas			
e: Wild Cat Claim		Permit Action	on: New App	lication	Permit/Job#	: <u>M2023031</u>
PROJECT IDEN	<u> </u>					
Task #: 001		State: Colora	ndo		Abbreviation:	None
Date: 4/5/202	24 (	County: Teller			Filename:	M031-001
User: ERR		•				
Agency or o	organization nam	ne: DRMS				
HOURLY EQUIP	PMENT COST	1				
Basic Machin	e: CAT 950H	_		Horsepo	wer.	197
Attachment			_	Shift B		per day
7 tttacimient	1. KOIB Cub		<u>-</u> ,	Data So		CRG)
Cost Breakdown:			1			
0 1: 0	. 77.7	<b>0.40.22</b>	Utilizatio	n %		
Ownership C		\$49.32	NA 100			
Operating C		\$39.80	100			
Operator C Total Unit C		\$40.71	NA			
Total Unit C	ost/Hour:	\$129.83				
Total Fleet (	Cost/Hour:	\$129.83				
MATERIAL QUA	ANTITIES					
Initial volume:	1,614	CCY	Swe	ell factor: 1.4	130	
Loose volume:	2,308					
Sou	rce of estimated	volume: DRM	IS: 6" avg on 1	9 acres		
	of estimated swe		Handbook	y deres		
HOURLY PROD		1D : C 1 T			0.500	. ,
Loader Cycle Time.	Unadjuste	ed Basic Cycle Ti	ime (load, dum	o, maneuver):	0.500	minutes
Cycle Time F					Factor (min.)	Source
		al 1/8" to 3/4" dia			-0.020	(Cat HB)
		ustment - factor r			0.000	(Cat HB)
Truck Own		ustment - factor r		0.00	0.000	(Cat HB)
		ant operation -0.0- nal target 0.00	4		-0.040	(Cat HB)
Dump 7	arger   Nomir	iai target u uu				
	arget. Nonin		Creala Tima A	livatmont	0.000	(Cat HB)
	arget. Tvomin	Net	Cycle Time A		-0.060	minutes
		Net Ad	Cycle Time Adjusted Basic Cy			
Rolling Resistance –		Net Ad	•		-0.060	minutes
-	Road Condition	Net Ad	justed Basic Cy	vcle Time:	-0.060 0.440	minutes
H	Road Condition	Net Ad	justed Basic Cy ance, no water,	vcle Time:	-0.060 0.440 ion 4.0	minutes
H	Road Condition  [aul: Rutted durn: Rutted d	Net Ad <u>.</u> S <u>s</u> irt, little maintena	justed Basic Cy ance, no water,	vcle Time:	-0.060 0.440 ion 4.0	minutes
H Ret	Road Condition  [aul: Rutted did  urn: Rutted did  ale	Net Ad <u>s</u> irt, little maintena irt, little maintena	justed Basic Cy ance, no water, ance, no water,	ocle Time:  1" tire penetrat 1" tire penetrat	-0.060 0.440 ion 4.0 ion 4.0	minutes minutes
H Ret	Road Condition:  [aul: Rutted did  urn: Rutted did  ee Length	Net Ad  S  irt, little maintena irt, little maintena  Grade Res.	ijusted Basic Cy ance, no water, ance, no water, Rolling	7°cle Time:	-0.060 0.440 ion 4.0 ion 4.0	minutes
H Ret	Road Condition  [aul: Rutted did  urn: Rutted did  ale	Net Ad <u>s</u> irt, little maintena irt, little maintena	justed Basic Cy ance, no water, ance, no water,	ocle Time:  1" tire penetrat 1" tire penetrat	-0.060 0.440 ion 4.0 ion 4.0	minutes minutes

			otal Travel Ti Total Cycle Ti		minutes minutes
Load Bucket Capacity					
Rated Capaci Bucket Fill Facto Adjusted Capaci	or: 1.100	LCY (heaped Other - rock/o	•	(100-120%) 1.100	
Job Condition Correction Site Altitude: 9960 feet	n Factors				
		Source			
Altitude Adj:	1.00	(CAT HB)	<u></u>		
Job Efficiency:	0.83	(1 shift/day)			
Net Correction:	0.83	multiplier			
Uı	nadjusted Hourly Unit I	Production:	543.02	LCY/Hour	
	Adjusted Hourly Unit I	Production:	450.71	LCY/Hour	
1	Adjusted Hourly Fleet I	Production:	450.71	LCY/Hour	
JOB TIME AND CO	<u>OST</u>				
Fleet size:	1 Loader(s)	То	tal job time:	5.12	Hours

Unit cost: \$0.288 /LCY Total job cost: \$665

## **MOTOR GRADER WORK**

Task description:	Finish 3H:1V Slo	ped Areas			
: Wild Cat Claim	Perr	mit Action:	New Application	on Per	mit/Job#: <u>M2023031</u>
PROJECT IDENT	<u>IFICATION</u>				
Task #: 002	State:	Colorado		Abbre	eviation: None
Date: 4/5/2024		Teller			lename: M031-002
User: ERR	<u> </u>			<del></del>	
A gancy or or	ganization name: DR	RMS			
Agency of of	gamzation nameDN	avis			
<b>HOURLY EQUIP</b>	MENT COST				
Basic Mach	ine: CAT 12M			Horsepower:	158
Ripper Attachm	<del></del>			Shift Basis:	1 per day
11				Data Source:	(CRG)
Cost Breakdown:					
Sost Broakdown:				Utilization %	
	vnership Cost/Hour:		\$74.98	NA	
	perating Cost/Hour:		\$55.26	100	
	vnership Cost/Hour:		\$0.00 \$0.00	NA	
	perating Cost/Hour: Operator Cost/Hour:		\$0.00	NA	
	otal Unit Cost/Hour:		\$158.80	11/1	
То	tal Fleet Cost/Hour:	\$158	8.80		
MATERIAL QUA	NTITIES				
Total A	ea to be graded or rippe	d: 1.90			acres
		·			
So	urce of estimated acreag	ge: Applic	ation		
<b>HOURLY PRODU</b>	CTION				
	Average Grader Sp	eed:	1.50	mph	
	Selected Application			grading (0-2.5 mpl	n) - 1.5
	Selected Blade Ar		45	degrees	
***	Effective Blade Ler		8.50	feet	
	th of blade overlap per p ng or ripping width per p		2.00 6.50	feet	
	ng or ripping widtn per patted Hourly Unit Product		1.1818	feet acres/hou	r
_	-			<del></del>	
Job Condition Correct	ion Factors		Sit	e Altitude: <u>9960</u> f	eet
, a.e. a	1.00	Source			
Altitude Adj		(CAT HE			
Job Efficiency Net Correction		(1sh/d, mo			
ret Confection	<del></del> -	•			
	Adjusted Hourly Unit		1.0045	acres/Hour	
	Adjusted Hourly Fleet	Production:	1.0045	acres/Hour	
JOB TIME AND C	<u>COST</u>				
Fleet size:	1 Grader(s)		Total job time:	1.89	Hours
Unit cost: \$	158.08 per acre		Total job cost:	\$300	
omi cost. 5	158.08 per acre		TOTAL JOD COST:	. <b>Þ</b> 300	

## WHEEL LOADER – LOAD AND CARRY WORK

		Topsoil on 3H:1	V Blopea mie			
: Wild Cat Clair	m	Permit Action	on: New App	lication	Permit/Job#	#: <u>M2023031</u>
PROJECT IDE	NTIFICATION	<u>1</u>				
Task #: 003		State: Colora	ado		Abbreviation:	None
	2024	County: Teller			Filename:	M031-003
User: ERI		, <u> </u>				
Agency	or organization na	me: DRMS				
HOURLY EQU	IPMENT COS	<u>T</u>				
Basic Macl	nine: CAT 950I	·		Horsep	oower:	197
Attachme			=			per day
1 20000	1012 000		=	Data S		(CRG)
Cost Breakdown:			Utilizatio	an %		
Ownershi	Cost/Hour:	\$49.32	NA			
	g Cost/Hour:	\$39.80	100			
	r Cost/Hour:	\$40.71	NA NA			
	t Cost/Hour:	\$129.83	1,12			
Total Flee	et Cost/Hour:	\$129.83				
MATERIAL Q	<u>UANTITIES</u>					
Initial volum		CCY		ell factor: 1	.250	
Initial volum Loose volum				ell factor: 1	.250	
Loose volum		8 LCY			.250	
Loose volum	e: <b>2,01</b>	8 LCY l volume: Appl			.250	
Loose volum	see: 2,01 Source of estimated sw	8 LCY l volume: Appl	ication: 6" on 2		.250	
Loose volum S Source	see: 2,01 Source of estimated sw DDUCTION	8 LCY l volume: Appl	ication: 6" on 2 Handbook	2 acres		minutes
Loose volum Source  HOURLY PRO Loader Cycle Time	be: 2,01 Source of estimated sween of estimated sween on the sween of estimated sween of est	8 LCY d volume: Appl ell factor: Cat I	ication: 6" on 2 Handbook	2 acres	0.500	minutes Source
Loose volum Source HOURLY PRO Loader Cycle Tim Cycle Tim	be: 2,01 Source of estimated sw DDUCTION  E: Unadjuster Factors	8 LCY d volume: Appl ell factor: Cat I	ication: 6" on 2 Handbook ime (load, dum	2 acres		Source
Loose volum S Source HOURLY PRO Loader Cycle Tim Cycle Tim	ce: 2,01 Source of estimated sw DDUCTION  e: Unadjusted Factors Material: Mate	8 LCY d volume: Appl ell factor: Cat I  ted Basic Cycle T	ication: 6" on 2 Handbook ime (load, dum ameter -0.02	p, maneuver):	0.500 Factor (min.)	Source (Cat HB)
Loose volum S Source HOURLY PRO Loader Cycle Tim Cycle Tim	cource of estimated swell bound of estimated s	8 LCY I volume: Appl ell factor: Cat I  ted Basic Cycle T	ication: 6" on 2 Handbook  ime (load, dum  ameter -0.02 not applicable 6	p, maneuver):	0.500 Factor (min.) -0.020	Source
Loose volum S Source HOURLY PRO Loader Cycle Tim Cycle Tim S Truck Ov	be: 2,01 Source of estimated sw  DUCTION  E: Unadjusted Factors  Material: Matestockpile: No active with the stockpile: No active with the stockpile: No active with the stockpile: No active with the stockpile with the stoc	8 LCY I volume: Appled Cat I  ted Basic Cycle T  rial 1/8" to 3/4" di ljustment - factor	ication: 6" on 2 Handbook  ime (load, dum  ameter -0.02 not applicable (not applicable)	p, maneuver):	0.500 Factor (min.) -0.020 0.000	Source (Cat HB) (Cat HB)
Loose volum S Source  HOURLY PRO Loader Cycle Tim Cycle Tim S Truck Ov	be: 2,01 Source of estimated sw  DDUCTION  E: Unadjust  Factors  Material: Material: No act  Wordership: No act  Department of the properation: Consider of the street of	LCY d volume: Applel factor: Cat I  ted Basic Cycle T  rial 1/8" to 3/4" di ljustment - factor ljustment - factor	ication: 6" on 2 Handbook  ime (load, dum  ameter -0.02 not applicable (not applicable)	p, maneuver):	0.500 Factor (min.) -0.020 0.000 0.000	Source (Cat HB) (Cat HB) (Cat HB)
Loose volum S Source  HOURLY PRO Loader Cycle Tim Cycle Tim S Truck Ov	be: 2,01 Source of estimated sw  DDUCTION  E: Unadjust  Factors  Material: Material: Material: No act  Wordership: No act  Operation: Cons	ted Basic Cycle T  rial 1/8" to 3/4" di ljustment - factor ljustment - factor tant operation -0.0 nal target 0.00	ication: 6" on 2 Handbook  ime (load, dum  ameter -0.02 not applicable ( not applicable ( 4	p, maneuver):  0.00 0.00 djustment:	0.500 Factor (min.) -0.020 0.000 0.000 -0.040 0.000 -0.060	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Loose volum S Source  HOURLY PRO Loader Cycle Tim Cycle Tim S Truck Ov	be: 2,01 Source of estimated sw  DDUCTION  E: Unadjust  Factors  Material: Material: Material: No act  Wordership: No act  Operation: Cons	ted Basic Cycle T  rial 1/8" to 3/4" di ljustment - factor ljustment - factor tant operation -0.0 nal target 0.00	ication: 6" on 2 Handbook  ime (load, dum  ameter -0.02 not applicable (	p, maneuver):  0.00 0.00 djustment:	0.500 Factor (min.) -0.020 0.000 0.000 -0.040 0.000	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)
Loose volum S Source  HOURLY PRO Loader Cycle Tim Cycle Tim S Truck Ov	be: 2,01 Source of estimated sw  DDUCTION  E: Unadjust  Factors  Material: Mate  Stockpile: No act  wnership: No act  peration: Const  p Target: Nomi	R LCY I volume: Appled factor: Cat I  ted Basic Cycle T  rial 1/8" to 3/4" di ljustment - factor ljustment - factor tant operation -0.0 nal target 0.00  Net Act	ication: 6" on 2 Handbook  ime (load, dum  ameter -0.02 not applicable ( not applicable ( 4	p, maneuver):  0.00 0.00 djustment:	0.500 Factor (min.) -0.020 0.000 0.000 -0.040 0.000 -0.060	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Loose volum S Source  HOURLY PRO Loader Cycle Tim Cycle Tim S Truck Ov Dum	be: 2,01  Source of estimated sw  DUCTION  E: Unadjust  Factors  Material: Mate  Stockpile: No act  wnership: No act  peration: Const  p Target: Nomi	R LCY I volume: Appled factor: Cat I  ted Basic Cycle T  rial 1/8" to 3/4" di ljustment - factor ljustment - factor tant operation -0.0 nal target 0.00  Net Act	ication: 6" on 2 Handbook  ime (load, dum ameter -0.02 not applicable ( not applicable ( 4 Cycle Time A ljusted Basic C	p, maneuver): 0.00 0.00 djustment: ycle Time:	0.500 Factor (min.) -0.020 0.000 0.000 -0.040 0.000 -0.060 0.440	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Loose volum S Source  HOURLY PRO Loader Cycle Tim Cycle Tim S Truck Ov Dum Rolling Resistance	be: 2,01  Source of estimated sw  DUCTION  E: Unadjust  Factors Material: Mate  Stockpile: No act  Watership: No act  Operation: Const  p Target: Nomi	ted Basic Cycle T  rial 1/8" to 3/4" di flustment - factor ligustment - factor tant operation -0.0 nal target 0.00  Net Acoustic	ication: 6" on 2 Handbook  ime (load, dum ameter -0.02 not applicable (not applicable (dum))  t Cycle Time A ljusted Basic C	p, maneuver): 0.00 0.00 djustment: ycle Time:	0.500 Factor (min.) -0.020 0.000 0.000 -0.040 0.000 -0.060 0.440	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Loose volum S Source  HOURLY PRO Loader Cycle Tim Cycle Tim S Truck Ov Dum Rolling Resistance	be: 2,01  Source of estimated sw  DUCTION  DUCTION  DUCTION  Hate: Unadjusted Factors   Material: Matestockpile: No action with the peraction: Constitution of the peraction of	R LCY I volume: Appled factor: Cat I  ted Basic Cycle T  rial 1/8" to 3/4" di ljustment - factor ljustment - factor tant operation -0.0  Net Act  as  dirt, little maintent	ication: 6" on 2 Handbook  ime (load, dum ameter -0.02 not applicable (not applicable (dum))  t Cycle Time A ljusted Basic C	p, maneuver): 0.00 0.00 djustment: ycle Time:	0.500 Factor (min.) -0.020 0.000 0.000 -0.040 0.000 -0.060 0.440	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Loose volum S Source  HOURLY PRO Loader Cycle Tim Cycle Tim S Truck Ov Dum  Rolling Resistance	cource of estimated swell bource of estimate	ted Basic Cycle T  rial 1/8" to 3/4" di ljustment - factor ljustment - factor ant operation -0.0 nal target 0.00  Net Ac  ns  dirt, little maintendirt, little maintend	ication: 6" on 2 Handbook  ime (load, dum ameter -0.02 not applicable ( not applicable ( 4  t Cycle Time A ljusted Basic C ance, no water, ance, no water,	p, maneuver):  0.00 0.00 djustment: ycle Time:  1" tire penetra 1" tire penetra	0.500 Factor (min.) -0.020 0.000 0.000 -0.040 0.000 -0.060 0.440 ation 4.0	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes
Loose volum S Source  HOURLY PRO Loader Cycle Tim Cycle Tim S Truck Ov Dum  Rolling Resistance	be: 2,01  Source of estimated sw  DUCTION  E: Unadjust  Factors  Material: Mate  Stockpile: No act  wnership: No act  peration: Const  p Target: Nomi  E - Road Condition  Haul: Rutted of  Return: Rutted of  Length	ted Basic Cycle T  rial 1/8" to 3/4" di ljustment - factor ljustment - factor lant operation -0.0  Net Ac  dirt, little maintendirt, little mainte	ication: 6" on 2 Handbook  ime (load, dum  ameter -0.02 not applicable ( not applicable ( the Cycle Time A ljusted Basic C ance, no water, ance, no water, Rolling	p, maneuver):  0.00 0.00 djustment: ycle Time:  1" tire penetra 1" tire penetra	0.500 Factor (min.) -0.020 0.000 0.000 -0.040 0.000 -0.060 0.440  ation 4.0 ation 4.0  Travel Time	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Loose volum S Source  HOURLY PRO Loader Cycle Tim Cycle Tim S Truck Ov Dum  Rolling Resistance	be: 2,01  Source of estimated sw  DUCTION  E: Unadjuste Factors  Material: Matestockpile: No active Nomership: No active Paraget: Nomership: No active Paraget: Nomership: Nomer	ted Basic Cycle T  rial 1/8" to 3/4" di ljustment - factor ljustment - factor ant operation -0.0 nal target 0.00  Net Ac  ns  dirt, little maintendirt, little maintend	ication: 6" on 2 Handbook  ime (load, dum ameter -0.02 not applicable ( not applicable ( 4  t Cycle Time A ljusted Basic C ance, no water, ance, no water,	p, maneuver):  0.00 0.00 djustment: ycle Time:  1" tire penetra 1" tire penetra	0.500 Factor (min.) -0.020 0.000 0.000 -0.040 0.000 -0.060 0.440 ation 4.0	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes

Total Travel Time: 0.1823 minutes Total Cycle Time: 0.6223 minutes **Load Bucket Capacity** Rated Capacity: 4.30 LCY (heaped) Other - rock/dirt mixtures (100-120%) 1.100 Bucket Fill Factor: 1.100 Adjusted Capacity: 4.73 LCY Job Condition Correction Factors Site Altitude: 9960 feet Source Altitude Adj: (CAT HB) Job Efficiency: 0.83 (1 shift/day) Net Correction: 0.83 multiplier Unadjusted Hourly Unit Production: 456.02 LCY/Hour Adjusted Hourly Unit Production: 378.50 LCY/Hour Adjusted Hourly Fleet Production: 378.50 LCY/Hour **JOB TIME AND COST** 

Total job time: 5.33 Hours

Total job cost:

\$692

Fleet size: \_\_\_\_\_ Loader(s)

Unit cost: \_\_\_\_ \$0.343 /LCY

## **MOTOR GRADER WORK**

Task description:	Finish Leveled Pad A	rea		
Wild Cat Claim	Permit A	ction: New Applicat	tion Peri	mit/Job#: M2023031
PROJECT IDENT	IFICATION			
Task #:004	State: Co	lorado	Abbre	viation: None
Date: 4/5/2024	County: Tel	ler	Fil	ename: M031-004
User: ERR				
Agency or or	ganization name: <u>DRMS</u>			
HOURLY EQUIPM	MENT COST			
Basic Mach	ine: CAT 12M		Horsepower:	158
Ripper Attachm			Shift Basis:	1 per day
			Data Source:	(CRG)
Cost Breakdown:				
Cost Dicardown.			Utilization %	
Ow	nership Cost/Hour:	\$74.98	NA	
	perating Cost/Hour:	¢55.26	100	
Ripper Ov	nership Cost/Hour:	\$0.00	NA	
	perating Cost/Hour:	\$0.00		
	Operator Cost/Hour:	\$28.56	NA	
To	tal Unit Cost/Hour:	\$158.80		
То	tal Fleet Cost/Hour:	\$158.80		
Total Ar	ea to be graded or ripped: _	4.80		acres
Son	irce of estimated acreage: _	Application		
HOURLY PRODU	<u>CTION</u>			
	Average Grader Speed:	1.50	mph	
	Selected Application:		grading (0-2.5 mph	) - 1.5
	Selected Blade Angle:	45	degrees	
XX7: .1	Effective Blade Length:	8.50	feet	
	th of blade overlap per pass: ng or ripping width per pass:	2.00 6.50	feet feet	
	ted Hourly Unit Production:	1.1818	acres/hou	r
Job Condition Correct	•			
Job Collation Correct	ion ractors	Source	ite Altitude: <u>9960</u> fe	ect
Altitude Adj	1.00	CAT HB)		
Job Efficiency:		h/d, mod.)		
Net Correction:	0.8500 mi	ıltiplier		
	Adjusted Hourly Unit Prod	uction: 1.0045	acres/Hour	
	Adjusted Hourly Fleet Prod		acres/Hour	
	J	- · · <u></u>		
JOB TIME AND C	<u>OST</u>			
Fleet size:	1 Grader(s)	Total job time	e: <b>4.78</b>	Hours
Unit cost: \$	158.08 per acre	Total job cos	st: <b>\$759</b>	

## **REVEGETATION WORK**

Wild Cat Cl	aim	Permit A	action: New	Application		Permit/Job#	: <u>M2023031</u>
DATECT ID	ENTIFICATIO	ANT					
Task #:0 Date:4 User:E	ENTIFICATIO 05 05/5/2024 CRR y or organization	State: Col. County: Tell	orado ler		_		None M031-005
ERTILIZIN		hame. DRWIS					
Iaterials	<u>u</u>						
Description			Units / Acre	Unit	Cost	t / Unit	Cost /Acre
					\$		\$
					Tota	al Fertilizer Materials Cost/Acre	\$0.00
pplication							
Description							Cost /Acre
							\$
			Total	Fertilizer A	Application	n Cost/Acre	\$0.00
<u>ILLING</u>							
Description							Cost /Acre
	ng, 6" deep (MEA	NS 32 91 13.23 6	5100)				\$112.82
				Т	otal Tilling	g Cost/Acre	\$112.82
EEDING							
Seed Mix					Rate – PLS LBS /	Seeds per SQ. FT	Cost /Acre

Orchardgrass - Elsie

Siberian Wheatgrass

Rye, Perennial Tetraploid - Tetra-Plus

Intermediate Wheatgrass - Tegmar

Streambank Wheatgrass - Sodar

Ryegrass, Perennial, - BG-34

Smooth Brome - Lincoln

\$9.30

\$5.40

\$7.20

\$13.30

\$6.00

\$5.70

\$17.18

\$64.08

Acre

3.00

3.00

4.00

4.00

2.00

1.00

3.00

20.00

**Totals Seed Mix** 

37.19

17.01

22.68

13.31

4.27

3.26

7.58

105.30

Application

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

## **MULCHING and MISCELLANEOUS**

#### Materials

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

**Application** 

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

## **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:	2	Cost /Acre:	\$444.12
Estimated Failure Rate:	25%	Cost /Acre*:	\$444.12
	THE LANG SEEDING	·	

\*Selected Replanting Work Items: TILLING,SEEDING
Initial Job Cost: \$888.24

 Reseeding Job Cost:
 \$222.06

 Total Job Cost:
 \$1,110

 Job Hours:
 2.00

# EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: Mo	ob/Demob Reclar	nation Equipment		
te: Wild Cat Claim	Permit	Action: New Ap	pplication Permit/Jo	bb#: <u>M2023031</u>
PROJECT IDENTIFICAT	<u>ION</u>			
Task #: 006	State: C	olorado	Abbreviation:	None
Date: 4/5/2024	County: T	eller	Filename:	M031-006
User: ERR	-			
Agency or organizatio	n name: DRMS	S		
rigone, or organization		<del>-</del>		
EQUIPMENT TRANSPOR	T RIG COST			
	TAIG COST		~	
			Shift basis:	1 per day
			Cost Data Source:	CRG Data
Truck Tractor Desc	cription: GENE	ERIC ON-HIGHW	AY TRUCK TRACTOR, 6X4,	DIESEL POWERED,
	•	400 HP (2ND HALF, 2006)		
Truck Trailer Desc	cription: C	GENERIC FOLDIN	IG GOOSENECK, DROP DEC	CK EQUIPMENT
		TRAILER (25T, 50T, AND 100T)		
Cord Provided to the				
Cost Breakdown:				
<b>Available Rig Capacities</b>	0-25 Tons	26-50 Tons	51+ Tons	
Ownership Cost/Hour:	\$20.26	\$36.04	\$47.05	
Operating Cost/Hour:	\$39.51	\$76.08	\$82.85	
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52	
Halper Cost/Hour	00.02	\$23.53	\$23.53	

#### **NON ROADABLE EQUIPMENT:**

Total Unit Cost/Hour:

\$82.29

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 950H	20.13	\$49.32	\$82.29	1	\$131.61	\$82.29	\$250.00
CAT 12M	16.01	\$74.98	\$82.29	1	\$157.27	\$82.29	\$250.00
Drill/Broadcast Seeder with	25.00	\$6.73	\$82.29	1	\$89.02	\$82.29	\$250.00
Tractor							

\$158.17

\$175.95

Subtotals: \$377.90 \$246.87 \$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.	\$27.44	1	\$27.44	\$27.44
Crew				

Subtotals: \$27.44 \$27.44

#### **EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region: COLORADO SPRINGS
Total one-way travel distance: 48.00 miles
Average Travel Speed: 60.00 mph

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

\$2,726.37

\$43.90

#### **Transportation Cycle Time:**

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	0.80	0.80
Return Time (Hours):	0.80	0.80
Loading Time (Hours):	0.15	NA
Unloading Time (Hours):	0.15	NA
Subtotals:	1.90	1.60

#### **JOB TIME AND COST**

Total job cost: 3.80 Hours

Total job cost: \$2,770