

July 29, 2025

Doug Sparks Shallenberger Energy LLC 6819 Highway 491/160 Cortez, CO 81321

RE: Urie Gravel Pit, Permit No. M-2009-038, Proposed Surety Increase (SI-2)

Dear Mr. Sparks:

This reclamation cost update was in response to the site inspection conducted on July 9, 2025. As well as the Succession of Operator (SO-1) permit transfer which was approved on June 12, 2025. It is Division policy to periodically update its costs to ensure that the Financial Warranty adequately reflects the actual current cost of fulfilling the requirements of the approved reclamation plan.

The bond was last recalculated in 2023. Below is a table summarizing input values that have been updated based on site conditions. Changes are noted in red. This table does not account for price changes resulting from inflation or other RS Means cost changes. Bond calculations are based on a combination of field observations and worst-case scenario based on the approved reclamation plan.

Assumptions: Revision in Red

- Phase 1 is graded and initially reclaimed.
- Phase 2 is completely graded. Some slopes have topsoil applied. No seeding has occurred.
- Phase 3 the active pit. Only the far west slope adjacent to highwall requires grading. All slopes still need topsoil. No seeding has occurred to date in Phase 3.
- All areas are to receive 6" of topsoil prior to reveg
 - No topsoil was stripped from Phase 3 prior to use for stockpile. Topsoil is only available for contoured slopes.
- Did not include pumping dewatering task
- Phase 3 all areas used for stockpiling require decompaction.
- Assumed enough overburden material has been placed or maintained over shale. Rec Plan calls for a min of 54" site wide to be replaced.
- Revegetation per Reclamation Plan calls for disk soil, seed mix drilled, straw mulch at 3000 lbs. /ac power mulched and crimped into place. Added weed spraying based on site conditions.
- Scale is mobile, no demo required



Task	Form Used	Description
01a	Dozer	Grade Pit slopes to 3H: 1V = 2,769 CCY
		500 LF of Vert @ 20' cut/fill = 2,769 CY
02a	Loader	Transport topsoil to pit slopes (phase 2 and 3) = 1,855 CCY
		Slopes are 1000LF x 100'W = 2.3 ac @ 6"D
02b	Dozer	Grade transported topsoil on pit slopes = 2,254 LCY
03a	Ripper	Rip stockpile area (Phase 3) ~8 ac
		Need to deep compact 2ft since no topsoil will be applied
04a	Reveg	Reveg = 14.2 ac
		Phase 2- slopes 1700 LF x 100'W = 3.9ac
		Phase 3 – slopes 1000LF x 100'W = 2.3 ac
		Phase 3 Stockpile area 8 ac
04b	Reveg	Reveg Failure areas (phase 1) 50% of total = 2.52 ac
		2200 LF x 100'W = 5.05 ac
10a	Mob	Initial Mobilization
10b	Mob	Secondary Mobilization

Per policy I wanted to send this out for review prior to issuance. Please look it over and let me know if there are errors or concerns. As noted you may also wish to revise your reclamation plan. If no response is received by **Friday**, **August 15**, **2025** then I'll issue SI-2 the following Monday as is. SI-2 will result in a total required bond amount of **\$117,687**, which is <u>an increase of \$26,087</u> over the \$91,600 currently held.

Please feel free to contact me with any further questions. Amy Yeldell at the Division of Reclamation, Mining and Safety, Rm 215, $1001 \to 62^{nd}$ Ave, Denver CO 80216. Direct contact can be made by phone at 970-210-1272 or via email at amy.yeldell@ state.co.us

Sincerely,

Amy Yeldell

Amy Geldell

Environmental Protection Specialist III

Ec:

Travis Marshall, Senior EPS, Grand Junction DRMS

COST SUMMARY WORK

7	Γask description:	Post SO-1 and inspection 2	2025 update			
Site:	Urie Gravel Pit	Permit Action	n: SO1		Permit/Job#	t: M2009038
D	ROJECT IDENTIFIC	'A TION				
<u>r</u> .						
	Task #: ACY	State: Colorado				None
	Date: 7/29/2025 User: ACY	County: Rio Blar	100		Filename: _	M038-ACY
	Agency or organi	zation name: DRMS				
	rigolog of organi.	Edition name. Bravis				
<u>T</u>	ASK LIST (DIRECT	COSTS)				
ask			Form	Fleet	Task	G .
	Description		Used	Size	Hours	Cost
la	Grade pit slopes to 3F		DOZER	1	7.58	\$2,485
2a		it slopes (phase 2 and 3)	LOADER	1	16.98	\$2,905
2b	Grade transported top	soil on pit slopes	DOZER	1	2.58	\$846
3a	Rip stockpile area		RIPPER	_ 1	12.05	\$4,249
4a	Revegetate topsoiled		REVEGE	1	22.00	\$66,749
4b	Revegetate Failure 50	% Phase 1	REVEGE	1	8.00	\$7,834
0a	Initial Mobilization		MOBILIZE	1	2.32	\$4,082
0b	Secondary Mobilizati	on	MOBILIZE	1	2.32	\$1,468
			SUBTO	OTALS:	73.83	\$90,618
IN	NDIRECT COSTS					
	VERHEAD AND PROFI	<u>T:</u>				
	Liability insuran	ice: 2.02			Total = \$1.	830
	Performance bo				$Total = \frac{\$95}{\$95}$	
	Job superintende				$Total = \frac{\$2,}{\$2,}$	
	Pro					062
				TOTAL		1,617
		CON	TRACT AMOUNT	(direct +		05,235
Ll	EGAL - ENGINEERING	- PROJECT MANAGEMEN	T:			
					Total = \$0	
		ocessing (legal/related costs):	\$0 4.25	_	$ \text{Total} = \underbrace{\$0}_{\$4} $ $ \text{Total} = \underbrace{\$4}_{\$4} $	472
		d/or contract/bid preparation: gement and/or administration:	5.00	_		
	Neciamation manag	gement and/or administration:	3.00	_		262
		CONTINGENCY:	3.00		Total =\$2,	719
			TOTAL I	NDIRECT	T COST = $$27$	7,070
		TOTAL BO	OND AMOUNT (direct + ir	ndirect) = \$11	7,688

BULLDOZER WORK

Task description:	Grade	pit slopes to 3H:	1V			
: Urie Gravel Pit		_ Permit Act	ion: SO1		Permit/Job#:	M2009038
PROJECT IDEN	NTIFICATIO	<u>N</u>				
Task #: 01A		State: Colo	rado		Abbreviation:	None
Date: $\frac{311}{7/29/2}$	2025		Blanco		Filename:	M038-01a
User: ACY		, <u> </u>			-	
Agency or	organization n	ame: DRMS				
HOURLY EQUI						
Basic Machine:	Cat D8T - 85					
Horsepower:	310					
Blade Type:	Semi-Univer	sal				
Attachment:	NA					
Shift Basis:	1 per day					
Data Source:	(CRG)					
Cost Breakdown:						
				Utilization %		
Ownership Cost/H	Iour:	\$179	0.60	NA		
Operating Cost/H		\$110).45	100		
Ripper own. Cost/H			0.00	NA		
Ripper op. Cost/H	Iour:	\$0	0.00	0		
Operator Cost/H	Iour:	\$38	3.02	NA		
MATERIAL QU Initial Volume: Swell factor:	2,769 1.125					
Loose volume:	3,115 LCY					
Source of estimated Source of estimated		500LF vert cut/f Cat Handbook	ill 			
HOURLY PROI	<u>DUCTION</u>					
Average push distar Unadjusted hourly		75 feet 1,017.1 LCY/hr				
Materials consisten	cy description:	Compacted fil	l or embanl	ement 0.9		
Average push gradi Average site altitud		eet				
Material weight:	2,550 1	bs/LCY			_	
Weight description:	Earth -	Dry packed				
Job Condition Corr	ection Factor erator Skill:	0.750		Source (AVG.)		
	onsistency:	0.900		(CAT HB))		
	ng method:	1.000		(GEN.)		
	Visibility:	1.000		(AVG.)		

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.902	(CAT HB)
Blade type:	1.000	(PAT)
	-	

Net correction: 0.4043

Adjusted unit production: 411.21 LCY/hr
Adjusted fleet production: 411.21 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.798/LCY

Total job time: 7.58 Hours
Total job cost: \$2,485

WHEEL LOADER – LOAD AND CARRY WORK

	Transpo	rt topsoil to pit sl	iopes (piidse 2 i	ana s)		
: Urie Gravel Pit		Permit Actio	n: SO1		Permit/Job#:	M2009038
PROJECT IDEN	TIFICATION					
Task #: 02A		State: Colora	do		Abbreviation:	None
Date: $\frac{0271}{7/29/2}$	025	County: Rio Bla			Filename:	M038-02a
User: $\frac{772772}{ACY}$	<u>023</u>	ounty. Kio Bia	anco		i nename.	1V1030-02a
Agency or	organization nam	ne: DRMS				
HOURLY EQUI	PMENT COST	<u>-</u>				
Basic Machin	ne: CAT 966H			Horsep	ower:	262
Attachment	-			Shift I		per day
T THE CONTROLL	1. 11015 040			Data Sc		CRG)
Cost Breakdown:						
			Utilization	1 %		
Ownership (\$62.55	NA			
Operating O		\$48.99	100			
Operator (\$59.52	NA			
Total Unit C	Cost/Hour:	\$171.06				
Total Fleet	Cost/Hour:	\$171.06				
MATERIAL QUA	ANTITIES					
Initial volume:		CCY	Swel	l factor: 1.	215	
Loose volume:			Swei	1 1acto1. 1.	213	
	arce of estimated		LF x 100' W = 1	2 3 ac @ 6"D	1	
	of estimated swe		andbook	2.5 ac (a, 0 D		
HOURLY PROD	UCTION					
Loader Cycle Time:		ed Basic Cycle Ti	me (load, dump	, maneuver):	0.500	minutes
Cycle Time		·		ĺ	Factor (min.)	
Cycle I III le						Source
		ol 1/9" to 2/4" die	matar 0.02			Source (Cat HP)
		al 1/8" to 3/4" dia		un 0 00	-0.020	(Cat HB)
Sto	ckpile: Conve	yor or dozer piled	10 ft. high and		-0.020 0.000	(Cat HB) (Cat HB)
Sto Truck Own	ckpile: Conve ership: Comm	yor or dozer piled on ownership of t	10 ft. high and rucks and loade		-0.020 0.000 -0.040	(Cat HB) (Cat HB) (Cat HB)
Sto Truck Own Ope	ckpile: Conve ership: Comm eration: Consta	yor or dozer piled non ownership of t ant operation -0.04	10 ft. high and rucks and loade		-0.020 0.000 -0.040 -0.040	(Cat HB) (Cat HB) (Cat HB) (Cat HB)
Sto Truck Own	ckpile: Conve ership: Comm eration: Consta	yor or dozer piled non ownership of t ant operation -0.04 nal target 0.00	10 ft. high and rucks and loade	rs -0.04	-0.020 0.000 -0.040	(Cat HB) (Cat HB) (Cat HB)
Sto Truck Own Ope	ckpile: Conve ership: Comm eration: Consta	yor or dozer piled ion ownership of to int operation -0.04 nal target 0.00 Net	10 ft. high and crucks and loade	justment:	-0.020 0.000 -0.040 -0.040 0.000	(Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)
Sto Truck Own Ope	ckpile: Conve ership: Comm cration: Consta Target: Nomin	yor or dozer piled ion ownership of t int operation -0.04 nal target 0.00 Net Adj	10 ft. high and rucks and loade	justment:	-0.020 0.000 -0.040 -0.040 0.000 -0.100	(Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Sto Truck Own Ope Dump	ckpile: Convership: Commercation: Constant Target: Nomin	yor or dozer piled ion ownership of t ant operation -0.04 nal target 0.00 Net Adj	10 ft. high and rucks and loade Cycle Time Adjusted Basic Cyc	justment:	-0.020 0.000 -0.040 -0.040 0.000 -0.100 0.400	(Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Sto Truck Own Ope Dump	ckpile: Convership: Commercation: Constant Target: Noming Proceedings of the Condition of the Conversion of the Con	yor or dozer piled ion ownership of t int operation -0.04 nal target 0.00 Net Adj	10 ft. high and rucks and loaded Cycle Time Adjusted Basic Cyclenance or water,	justment:ele Time:4" tire penetr	-0.020 0.000 -0.040 -0.040 0.000 -0.100 0.400	(Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Sto Truck Own Ope Dump	ckpile: Converse Commercial Commercial Commercial Constant Constan	yor or dozer piled ion ownership of to int operation -0.04 nal target 0.00 Net Adj	10 ft. high and rucks and loaded Cycle Time Adjusted Basic Cyclenance or water,	justment:ele Time:4" tire penetr	-0.020 0.000 -0.040 -0.040 0.000 -0.100 0.400	(Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Sto Truck Own Ope Dump Rolling Resistance - H Re	ckpile: Convergeration: Commercation: Constant Target: Noming Proceedings of the Condition	yor or dozer piled ton ownership of to ant operation -0.04 hal target 0.00 Net Adj seed dirt, no mainted teed dirt, no mainted	10 ft. high and rucks and loaded Cycle Time Adjusted Basic Cycle Time	justment:	-0.020 0.000 -0.040 -0.040 0.000 -0.100 0.400 ration 8.0	(Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes
Sto Truck Own Ope Dump Rolling Resistance - H Re	ckpile: Convergeration: Commercation: Constant Target: Noming Proceedings of the Procedure	yor or dozer piled ton ownership of to that operation -0.04 hal target 0.00 Net Adj Se ted dirt, no mainte ted dirt, no mainte dirt, no mainte The direct of the control	10 ft. high and rucks and loade to the rucks and rucks	justment: cle Time: 4" tire penetr 4" tire penetr Total Res.	-0.020 0.000 -0.040 -0.040 0.000 -0.100 0.400 ration 8.0	(Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Sto Truck Own Ope Dump Rolling Resistance - H Re	ckpile: Convergeration: Commercation: Constant Target: Noming Proceedings of the Condition	yor or dozer piled ton ownership of to ant operation -0.04 hal target 0.00 Net Adj seed dirt, no mainted teed dirt, no mainted	10 ft. high and rucks and loaded Cycle Time Adjusted Basic Cycle Time	justment:	-0.020 0.000 -0.040 -0.040 0.000 -0.100 0.400 ration 8.0	(Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes

Total Travel Time: 1.6639 minutes Total Cycle Time: minutes 2.0639 **Load Bucket Capacity** Rated Capacity: 5.00 LCY (heaped) Bucket Fill Factor: Other - rock/dirt mixtures (100-120%) 1.100 1.100 Adjusted Capacity: 5.50 LCY Job Condition Correction Factors Site Altitude: 5200 feet Source Altitude Adj: (CAT HB) Job Efficiency: 0.83 (1 shift/day) Net Correction: 0.83 multiplier Unadjusted Hourly Unit Production: 159.89 LCY/Hour Adjusted Hourly Unit Production: 132.71 LCY/Hour Adjusted Hourly Fleet Production: 132.71 LCY/Hour **JOB TIME AND COST** Fleet size: _____ Loader(s)

Unit cost: ____ \$1.289 /LCY

Total job time: 16.98

\$2,905

Total job cost:

Hours

BULLDOZER WORK

Task description:	Grad	le transport	ed topsoil on pi	t slopes		
: _Urie Gravel Pit		Peri	mit Action: SO	D1	Permit/Job#:	M2009038
PROJECT IDEN	TIFICATION	<u>ON</u>				
Task #: 02B		State:	Colorado		Abbreviation:	None
Date: $\frac{02B}{7/29/2}$	2025	County:	Rio Blanco		Filename:	M038-02b
User: ACY		c c unity .			_	1,1000 020
Agency or	organization	name: DR	RMS			
HOURLY EQUI	PMENT CO	<u>DST</u>				
Basic Machine:	Cat D8T - 8	SSU				
Horsepower:	310					
Blade Type:	Semi-Unive	ersal				
Attachment:	NA					
Shift Basis:	1 per day					
Data Source:	(CRG)					
Cost Breakdown:						
				<u>Utilization %</u>		
Ownership Cost/H			\$179.60	NA		
Operating Cost/H			\$110.45	100		
Ripper own. Cost/H			\$0.00	NA		
Ripper op. Cost/H			\$0.00	0		
Operator Cost/H	lour:		\$38.02	NA		
Total unit Cost/Hou	ır: \$328.0	77				
Total Fleet Cost/Ho				<u>—</u>		
1044111001 0004110				<u> </u>		
MATERIAL QU	ANTITIES					
Initial Volume: Swell factor:	2,254 1.000					
Loose volume:	2,254 LCY		_			
Loose volume.	2,234 LC1					
Source of estimated	volume:	Transport	مستامين			
Source of estimated						
	swell factor:	Cat Hand		<u> </u>		
		Cat Hand		_		
HOURLY PROI		Cat Hand				
	<u>DUCTION</u>					
HOURLY PROI Average push distant Unadjusted hourly	DUCTION nce:	75 feet 1,017.1 LC	book	_		
Average push distar	DUCTION nce: production:	75 feet 1,017.1 LC	book			
Average push distart Unadjusted hourly p	DUCTION nce: production: cy description	75 feet 1,017.1 LC	book Y/hr			
Average push distar Unadjusted hourly	DUCTION nce: production: cy description ent: 0 %	75 feet 1,017.1 LC	book Y/hr			
Average push distart Unadjusted hourly p Materials consistent Average push gradi	DUCTION nce: production: cy description ent: e: 0 % 5,200	75 feet 1,017.1 LC	book Y/hr			
Average push distart Unadjusted hourly p Materials consistent Average push gradi Average site altitud	DUCTION nce: production: cy description ent: e: 5,200 1,600	75 feet 1,017.1 LC Loose s feet lbs/LCY	book Y/hr			
Average push distart Unadjusted hourly push Materials consistent Average push gradic Average site altitud Material weight: Weight description:	DUCTION nce: production: cy description ent: e: 0 % 5,200 1,600 Top S	75 feet 1,017.1 LC Loose s feet lbs/LCY	book Y/hr	Source		
Average push distart Unadjusted hourly push Materials consistent Average push gradic Average site altitude Material weight: Weight description: Job Condition Corrections	DUCTION nce: production: cy description ent: e: 0 % 5,200 1,600 Top S	75 feet 1,017.1 LC Loose s feet lbs/LCY oil	book Y/hr	Source (AVG.)		
Average push distart Unadjusted hourly push distart Unadjusted hourly push Materials consistent Average push gradit Average site altitud Material weight: Weight description: Job Condition Correct Oper Material conditions are site of the condition of the condi	DUCTION nce: production: cy description ent: 0 % e: 5,200 Top S ection Factor rator Skill: possistency:	75 feet 1,017.1 LC Loose s feet lbs/LCY oil 0.	Y/hr stockpile 1.2			
Average push distart Unadjusted hourly push distart Unadjusted hourly push Materials consistent Average push gradit Average site altitud Material weight: Weight description: Job Condition Correct Oper Material conditions are site of the condition of the condi	DUCTION nce: production: cy description ent: 0 % e: 5,200 1,600 Top S ection Factor rator Skill:	75 feet 1,017.1 LC Loose s feet lbs/LCY oil 0. 1.	Y/hr stockpile 1.2	(AVG.)		

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.8593

Adjusted unit production: 873.99 LCY/hr
Adjusted fleet production: 873.99 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.375/LCY

Total job time: 2.58 Hours
Total job cost: \$846

BULLDOZER RIPPING WORK

	Task description:	Rip s	tockpile area					
Site:	: Urie Gravel P	it	Permit Action:	SO1	Per	mit/Job#:	M200903	8
	PROJECT ID	ENTIFICATION	<u>ON</u>					
	Task #: 032	4	State: Colorado		Abbre	eviation:	None	
		9/2025	County: Rio Blanco			lename:	M038-03a	
	User: AC	Y				-		
	Agency	or organization	name: DRMS					
	HOURLY EQ	UIPMENT CO	<u>OST</u>					
	Basic 1	Machine: Cat	D8T - 8SU		Horsepower:	3	310	
	Ripper Att	achment: 3-S	nank Ripper	_	Shift Basis:		er day	
					Data Source:	(C	CRG)	
	Cost Breakdown:	<u>.</u> <u>.</u>		1				
		0 1: 0	. /	Φ1 7 0.60	Utilization %			
		Ownership Co		\$179.60	NA 100			
	Dinn	Operating Co er Ownership Co		\$110.45 \$15.28	100 NA			
		per Operating Co		\$9.14	100			
	Кірі	Operator Co		\$38.02	NA			
		Total Unit Co		\$352.49	1171			
		Total Fleet Co	st/Hour: \$352	.49				
	MATERIAL Q	DUANTITIES	Sala	etad astimating	g method: Area			
	Alternate Method		SCIO	cica estimating	g memod. Area			
Seismic:	NA NA	10.	Bank Volume:	NA	BCY	-	NA	
Area:	$\frac{100}{8.00}$	acres	_	2.00		5,813		BCY or CCY
			nated quantity: 2025 A			-		
	HOURLY PRO		2023 11	ший тері тійр	dia sair estinate	<u> </u>		
		<u>JDUCTION</u>						
	Seismic:		Seismic Velocity:	NA	feet/secon	nd		
		ĸ.	beisinic velocity.	INA	reet/secol	iiu		
	Area:							
			e Ripping Depth:	2.56	feet/pass			
			Ripping Width:	7.08	feet/pass			
			Ripping Length:	300.00 88.00	feet/pass feet/minu	ıta		
			Maneuver Time:	0.25	ninutes/ı			
		_	ion per unit area:	0.800	acres/hou			
	Job Condition Co	orrection Factors						
	Un	adjusted Hourly	Unit Production:	0.800	Acres/hr			
		3	Site Altitude:	5,200	feet			
			Altitude Adj:	1.00	(CAT HE	3)		
			Job Efficiency:	0.83	(1 shift/d	/		
			Net Correction:	0.83	multiplie	• /		
		Adjusted	Hourly Unit Production:	0.66	Acres/hr			
			Hourly Fleet Production:	0.66	Acres/hr			
	JOB TIME AN	ND COST						
	Fleet size:	1	Grader(s)	Total job tim	ne: <u>12</u>	2.05	Hou	rs
	Unit cost:	\$531.158	Per acre	Total job co	st: \$4 ,	,249		

REVEGETATION WORK

Task description:	Revegetate topsoiled a	reas				
Urie Gravel Pit	Permit A	Permit Action: SO1 Permit/Job#:				M2009038
PROJECT IDEN	<u> </u>					
User: ACY	Date: 7/29/2025 County: Rio Blanco Filename: 1 User: ACY			None M038-04a		
Agency or	organization name: DRMS					
EERTILIZING						
Materials						
Description		Units / Acre	Unit	Cost	t / Unit	Cost /Acre
				\$		\$
				Tota	al Fertilizer Materials Cost/Acre	\$0.00
Application						
Description						Cost /Acre
						\$
		Total	Fertilizer	Application	n Cost/Acre	\$0.00
<u> </u>						
Description						Cost /Acre
	6" deep (MEANS 32 91 13.23 6	100)				\$114.13
			ŗ	Fotal Tillin	g Cost/Acre	\$114.13
SEEDING						
Seed Mix				Rate – PLS LBS /	Seeds per SQ. FT	Cost /Acre

Application

Galleta

Indian Ricegrass - Nespar

Sandberg Bluegrass - VNS

Western Wheatgrass - Rosanna

Bottlebrush Squirreltail

Sand Dropseed

\$105.80

\$117.05

\$312.19 \$71.88

\$633.11

\$22.19

\$4.00

Acre

6.00

0.30

4.50

1.50

5.50

8.00

25.80

Totals Seed Mix

19.42

35.81

19.83

31.85

20.08

20.20

147.20

Description		Cost /Acre
Drill Seeding (DRMS Survey Cost)		\$242.30
	Total Seed Application Cost/Acre	\$242.30

MULCHING and MISCELLANEOUS

Materials

	Units /			
Description	Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$4.44	\$4.44
Herbicide - Banvel @ 1.0 pt/ac	1.00	ACRE	\$8.35	\$8.35
Herbicide - Glyphosate (Journey)@ 1.0 pt/ac	1.00	ACRE	\$5.22	\$5.22
Straw, delivered	3.00	TON	\$504.56	\$1,513.67
Total Mulch Materials Cost/Acre				\$1,531.69

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$239.35
Power mulcher (MEANS 32 91 13.16 0350)		\$141.57
Weed spray, hand, aquatic area, nox. [DMG]		\$203.77
Weed spray, truck, non-aquatic areas, ann. [DMG]		\$27.84
	Total Mulch Application Cost/Acre	\$612.53

NURSERY STOCK PLANTING

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

JOB TIME AND COST

 No. of Acres:
 14.2
 Cost /Acre:
 \$3,133.76

 Estimated Failure Rate:
 50%
 Cost /Acre*:
 \$3,133.76

*Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: \$44,499.39

Reseeding Job Cost: \$22,249.70

Total Job Cost: \$66,749

22.00

REVEGETATION WORK

Urie Gravel Pit	Urie Gravel Pit Permit Action: SO1 Permit/Job#s					: <u>M2009038</u>
ROJECT IDENTIFICAT	ΓΙΟΝ					
Task #: 04B Date: 7/29/2025 User: ACY	State: Color County: Rio E			Ab		None M038-04b
Agency or organizati	on name: DRMS					
<u>ERTILIZING</u>						
laterials						
Description		Units / Acre	Unit	Cos	st / Unit	Cost /Acre
				\$		\$
				Tot	tal Fertilizer Materials Cost/Acre	\$0.00
pplication						
Description						Cost /Acre
						\$
		Total	Fertilizer	Applicatio	on Cost/Acre	\$0.00
<u>ILLING</u>						
Description						Cost /Acre
	Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)					\$114.13
			ŗ	Fotal Tillin	ng Cost/Acre	\$114.13
<u>EEDING</u>						
Seed Mix				Rate – PLS LBS /	Seeds per SQ. FT	Cost /Acre

Application

Galleta

Indian Ricegrass - Nespar

Sandberg Bluegrass - VNS

Western Wheatgrass - Rosanna

Bottlebrush Squirreltail

Sand Dropseed

\$105.80

\$117.05

\$22.19

\$312.19 \$71.88

\$633.11

\$4.00

LBS/ Acre

6.00

0.30

4.50

1.50

5.50

8.00

25.80

Totals Seed Mix

19.42

35.81

19.83

31.85

20.08

20.20

147.20

Description		Cost /Acre
Drill Seeding (DRMS Survey Cost)		\$242.30
	Total Seed Application Cost/Acre	\$242.30

MULCHING and MISCELLANEOUS

Materials

	Units /			
Description	Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$4.44	\$4.44
Herbicide - Banvel @ 1.0 pt/ac	1.00	ACRE	\$8.35	\$8.35
Herbicide - Glyphosate (Journey)@ 1.0 pt/ac	1.00	ACRE	\$5.22	\$5.22
Straw, delivered	3.00	TON	\$504.56	\$1,513.67
Total Mulch Materials Cost/Acre				\$1,531.69

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$239.35
Power mulcher (MEANS 32 91 13.16 0350)		\$141.57
Weed spray, hand, aquatic area, nox. [DMG]		\$203.77
Weed spray, truck, non-aquatic areas, ann. [DMG]		\$27.84
	Total Mulch Application Cost/Acre	\$612.53

NURSERY STOCK PLANTING

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

JOB TIME AND COST

 No. of Acres:
 2.5
 Cost /Acre:
 \$3,133.76

 Estimated Failure Rate:
 0%
 Cost /Acre*:
 \$3,133.76

*Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: \$7,834.40

Reseeding Job Cost: \$0.00

Total Job Cost: Job Hours: \$8.00

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: <u>Ini</u>	tial Mobilization	l		
te: <u>Urie Gravel Pit</u>	Permi	t Action: SO1	Permit/Jo	bb#: <u>M2009038</u>
PROJECT IDENTIFICATI	<u>ION</u>			
Task #: 10A	State: C	Colorado	Abbreviation:	None
Date: 7/29/2025 User: ACY	County: R	tio Blanco	Filename:	M038-10a
Agency or organizatio	n name: DRMS	S		
EQUIPMENT TRANSPOR	T RIG COST			
			Shift basis:	1 per day
			Cost Data Source:	CRG Data
Truck Tractor Desc	cription: GENI		AY TRUCK TRACTOR, 6X4, 400 HP (2ND HALF, 2006)	DIESEL POWERED,
Truck Trailer Desc	cription:		G GOOSENECK, DROP DEC	CK EQUIPMENT
		TR	AILER (25T, 50T, AND 100T)
Cost Breakdown:				
Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons	
Ownership Cost/Hour:	\$21.47	\$38.32	\$48.96	
Operating Cost/Hour:	\$31.47	\$60.11	\$65.86	
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52	
Helper Cost/Hour:	\$0.00	\$22.25	\$22.25	

NON ROADABLE EQUIPMENT:

Total Unit Cost/Hour:

\$75.46

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	\$194.88	\$159.59	1	\$354.47	\$159.59	\$500.00
Drill/Broadcast	25.00	\$5.99	\$75.46	1	\$81.45	\$75.46	\$250.00
Seeder with							
Tractor							
Power Mulcher	6.00	\$29.91	\$75.46	1	\$105.37	\$75.46	\$250.00
(Bowie LD-90)							
CAT 966H	25.80	\$62.55	\$75.46	1	\$138.01	\$75.46	\$250.00

\$143.20

\$159.59

Subtotals: \$679.30 \$385.97 \$1,250.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Flatbed Truck, 4x2, 30K GVW	\$75.91	1	\$75.91	\$75.91
Light Duty Pickup, 4x4, 3/4 T.	\$127.20	2	\$254.40	\$254.40

Subtotals:	\$330.31	\$330.31	
Subiolais:	2220721	3330.31	

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:

Total one-way travel distance:

Average Travel Speed:

RANGELY

miles

2.00

mph

<u>Transportation Cycle Time:</u>

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	0.08	0.08
Return Time (Hours):	0.08	0.08
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.16	0.16

JOB TIME AND COST

Total job cost: 2.32 Hours

Total job cost: \$4,082

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: Se	condary Mobiliza	ation			
te: Urie Gravel Pit	Permi	t Action: SO1		Permit/Job#:	M2009038
PROJECT IDENTIFICAT	<u>ION</u>				
Task #: 10B Date: 7/29/2025 User: ACY	_	Colorado Lio Blanco			None M038-10b
Agency or organization	on name: DRMS	S			
EQUIPMENT TRANSPOR	RT RIG COST				
			Shift b Cost Data So		er day G Data
Truck Tractor Des	cription: GENI	ERIC ON-HIGHW	AY TRUCK TRACT 400 HP (2ND HALF		ESEL POWERED,
Truck Trailer Des	cription:		NG GOOSENECK, D RAILER (25T, 50T, A		EQUIPMENT
Cost Breakdown:					
Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons		
Ownership Cost/Hour:	\$21.47	\$38.32	\$48.96		
Operating Cost/Hour:	\$31.47	\$60.11	\$65.86		
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52		
Helper Cost/Hour:	\$0.00	\$22.25	\$22.25		

NON ROADABLE EQUIPMENT:

Total Unit Cost/Hour:

\$75.46

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	\$5.99	\$75.46	1	\$81.45	\$75.46	\$250.00
Seeder with							
Tractor							
Power Mulcher	6.00	\$29.91	\$75.46	1	\$105.37	\$75.46	\$250.00
(Bowie LD-90)							

\$143.20

\$159.59

\$500.00 Subtotals: \$186.82 \$150.92

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.	\$127.20	2	\$254.40	\$254.40

Subtotals: \$254.40 \$254.40

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:

Total one-way travel distance:

Average Travel Speed:

RANGELY

miles

2.00

mph

<u>Transportation Cycle Time:</u>

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	0.08	0.08
Return Time (Hours):	0.08	0.08
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.16	0.16

JOB TIME AND COST

Total job cost: 2.32 Hours

Total job cost: \$1,468