

February 19, 2025

Matthew Mueller Siloam Stone, Inc. 315 N. 7th St Canon City, CO 81212

RE: Bedrock Mine #1, Permit No. M-1997-086; Technical Revision Application (TR-4), Revise Reclamation Plan, Preliminary Adequacy Review

Dear Mr. Mueller,

On February 3, 2025, the Division of Reclamation, Mining, and Safety (the Division/DRMS) received the technical revision application (TR-4) revising the reclamation plan to reduce the amount of growth medium to be replaced from 12 inches to 6 inches and remove the use of mulch. There are several items that were identified during the Division's review of the TR-4 application that require further clarification. Please provide a response and any supplemental items necessary to address the following items.

Rule 6.2 General Requirements of Exhibits

- 1. The map submitted does not meet the complete requirements of Rule 6.2.1(2). Please resubmit the map to include the following information:
 - a. The name and signature of the qualified person that prepared the map, per Rule 6.2.1(2)(b).
 - b. The complete permitted area in accordance with Rule 6.2.1(2)(d).

Rule 3.1.10 Revegetation

2. An invoice from Ark Valley Weed for weed control services. The invoice date is October 14, 2024, and the invoice number is 520P. The same invoice was submitted with the Technical Revision (TR-4) application for the Bedrock Mine #1, Permit No. M-1997-086. Information about how the amount of the weed control services is allocated to the different permit areas is not provided. The costs cannot be attributed to the recalculation of the reclamation costs without a breakdown of how those costs are attributed to each permit. Additionally, to justify a prescribed cost for weed control tasks, a minimum of three estimates for this service should be provided to the Division.



February 19, 2025 Mr. Matthew Mueller Page 2

Rule 6.4.12 Exhibit L – Reclamation Costs

3. The Division's estimated reclamation cost have been recalculated, and an updated reclamation cost estimate (RCE) is attached with this report. The following table provides details of how the total acreage used for each task was calculated. The areas and the acreage values used were sourced from the "Current Reclamation Tasks Needed" table submitted in the TR-4 application. According to this information, the required financial warranty calculated by the Division for the permit is \$131,339.00; this is an increase of \$22,719.94 of the currently held financial warranty of \$108,619.06. Provide any comments or additional supplemental items to the Division about the attached RCE.

Areas (acres)	Grading	Tilling	Topsoiling	Seeding
Slab Stone Area	9.65	0.00	9.65	9.65
Partially reclaimed (not TSSA)	0.00	12.67	0.00	12.67
Temporary Slab Stone Area	0.00	25.75	0.00	25.75
(TSSA)				
Stone Yard	0.00	0.00	0.00	0.00
Topsoil stockpiles – in partially	1.39	0.00	0.00	1.39
reclaimed areas				
Total	11.04	39.80	9.65	49.46

This concludes the Division's preliminary adequacy review of the TR-4 application. The decision date for this revision is **March 5**, 2025. Please reply to this letter at least 5 days prior to the decision date, *February 28*, 2025, to allow for the Division to review your response. If more time is needed to address these issues, an extension request must be submitted to the Division in writing prior to the decision date.

If you have any questions or concerns, please reach out to me at <u>Jocelyn.carter@state.co.us</u> or (720) 666-1065.

Sincerely,

Jocelyn Carter Environmental Protection Specialist

Ec: Amy Eschberger, DRMS Steve O'Brien, Environment, Inc.

Enclosures: Reclamation Cost Estimate (RCE)

COST SUMMARY WORK

Т	ask descrip	otion:	Cost Summary					
Site:	Bedrock	Mine #1	Pe	rmit Action:	2025 TR4	Permit/Job	#: M1997086	
<u> PI</u>	ROJECT	IDENTIFIC	CATION					
	Task #:	000	State:	Colorado		Abbreviation:	None	
	Date:	2/19/2025	County:	Pueblo		Filename:	M086-000	
	User:	JLC						
	Age	ency or organi	zation name: DI	RMS				

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Backfilling Slab Stone Area	DOZER	2	2.25	\$1,525
002a	Grading 11.04 acres	GRADER	2	1.64	\$505
003	Tilling 39.80 acres	REVEGE	1	20.00	\$4,681
004	Spreading Topsoil, 6", 9.65 acres	SCRAPER1	1	17.83	\$36,614
006	Revegetation of 49.46 acres	REVEGE	1	64.30	\$40,866
007	Mob/Demob	MOBILIZE	1	6.81	\$15,354
		<u>SUBTO</u>	TALS:	112.83	\$99,545

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$2,011
Performance bond:	1.05	Total =	\$1,045
Job superintendent:	56.41	Total =	\$4,472
Profit:	10.00	Total =	\$9,954
		TOTAL O & P =	\$17,482
		CONTRACT AMOUNT (direct + O & P) = $\frac{1}{2}$	\$117,027

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): Engineering work and/or contract/bid preparation: Reclamation management and/or administration:	\$500 4.25 5.00	Total =	\$500 \$4,974 \$5,851
CONTINGENCY:	3.00	Total =	\$2,986
		TOTAL INDIRECT COST =	\$31,794

BULLDOZER WORK

Task description:	Backfilling				
Bedrock Mine #1		Permit Action:	2025 TR4	Permit/Job#:	M1997086
PROJECT IDENT	FICATION				
Task #: 001	S	State: Colorado		Abbreviation:	None
Date: $2/18/202$		unty: Pueblo		Filename:	001
User: JLC	<u> </u>	5		-	
Agency or or	ganization name:	DRMS			
HOURLY EQUIPM	IENT COST				
Basic Machine: 0	Cat D8T - 8SU				
	310				
J 1	Semi-Universal				
	-shank ripper				
	per day				
Data Source: _(CRG)				
Cost Breakdown:			TT:'1'		
Ownership Cost/Hou		\$173.32	<u>Utilization %</u> NA		
Ownership Cost/Hou Operating Cost/Hou		\$173.32	100		
Ripper own. Cost/Hou		\$109.71	NA		
Ripper op. Cost/Hou		\$2.31	25		
Operator Cost/Hou Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL OUAL	\$339.07 \$678.13	\$40.04	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUAN</u> Initial Volume:4,	\$339.07 \$678.13 NTITIES 000	\$40.04	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUAN</u> Initial Volume: <u>4</u> , Swell factor: <u>1</u> .	\$339.07 \$678.13 NTITIES	\$40.04	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUAN</u> Initial Volume: <u>4</u> , Swell factor: <u>1</u> .	\$339.07 \$678.13 NTITIES 000 250 000 LCY		ion, Mining & Safety		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 4, Swell factor: 1. Loose volume: 5,	\$339.07 \$678.13 NTITIES 000 250 000 LCY lume:Div				
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 4, Swell factor: 1. Loose volume: 5, Source of estimated vo	\$339.07 \$678.13 NTITIES 000 250 000 LCY lume: Div rell factor: Ca	vision of Reclamati			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 4, Swell factor: 1. Loose volume: 5, Source of estimated volume: 5	\$339.07 \$678.13 NTITIES 000 250 000 LCY lume: Div vell factor: Car CTION : 50 fe	vision of Reclamati t Handbook			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 4, Swell factor: 1. Loose volume: 5, Source of estimated vo Source of estimated sw HOURLY PRODU	\$339.07 \$678.13 NTITIES 000 250 000 LCY lume: Div vell factor: Car CTION : 50 fe	vision of Reclamati t Handbook			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 4, Swell factor: 1. Loose volume: 5, Source of estimated vo Source of estimated sw HOURLY PRODU Average push distance	\$339.07 \$678.13 NTITIES 000 250 000 LCY lume: Div vell factor: Cat CTION : 50 fe duction: 1,400	vision of Reclamati t Handbook	ion, Mining & Safety		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 4, Swell factor: 1. Loose volume: 5, Source of estimated vo Source of estimated sw HOURLY PRODU Average push distance Unadjusted hourly pro	\$339.07 \$678.13 NTITIES 000 250 000 LCY Jume: Div vell factor: Cat CTION 50 fea duction: 1,400 description: C	vision of Reclamati t Handbook et .0 LCY/hr	ion, Mining & Safety		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume:4, Swell factor:1. Loose volume:5, Source of estimated vo Source of estimated vo Source of estimated sw HOURLY PRODU Average push distance Unadjusted hourly pro Materials consistency of Average push gradient	\$339.07 \$678.13 NTITIES 000 250 000 LCY lume: Div vell factor: Car CTION : 50 fe duction: 1,400 description: 0 : -10 %	vision of Reclamati t Handbook et 0.0 LCY/hr Consolidated stockp	ion, Mining & Safety		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 4, Swell factor: 1. Loose volume: 5, Source of estimated volume: 6, Source of estimated sw HOURLY PRODU Average push distance Unadjusted hourly pro Materials consistency Average push gradient Average site altitude: 10,0000	$ \begin{array}{r} & \$ 339.07 \\ \hline \$ 678.13 \\ \hline \\ \hline \\ \$ 678.13 \\ \hline \\ \hline \\ 000 \\ 250 \\ \hline \\ 000 \\ 250 \\ \hline \\ \hline \\ 000 \\ 250 \\ \hline \\ \hline \\ 000 \\ \hline \\ \hline \\ \hline \\ 000 \\ \hline \\ \hline$	vision of Reclamati t Handbook et 0.0 LCY/hr Consolidated stockp	ion, Mining & Safety		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 4, Swell factor: 1. Loose volume: 5, Source of estimated volume: Source of estimated volume: Source of estimated volume: Average push distance Unadjusted hourly pro Materials consistency of Average push gradient Average site altitude: Material weight: Weight description: Job Condition Correction	\$339.07 \$678.13 NTITIES 000 250 000 LCY lume: Div vell factor: Car CTION : 50 fee duction: 1,400 description: 0 : -10 % 5,800 feet 2,650 lbs/L0 Decompose on Factor	et 2.0 LCY/hr Consolidated stockp CY d rock - 25% Rock,	ion, Mining & Safety		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 4, Swell factor: 1. Loose volume: 5, Source of estimated volume: Source of estimated volume: Source of estimated volume: Average push distance Unadjusted hourly pro Materials consistency of Average push gradient Average site altitude: Material weight: Weight description: Job Condition Correction	\$339.07 \$678.13 NTITIES 000 250 000 LCY dume: Div vell factor: Car CTION : 50 feat duction: 1,400 description: 0 : -10 % 5,800 feet 2,650 lbs/L0 Decompose on Factor or Skill:	vision of Reclamati t Handbook et 0.0 LCY/hr Consolidated stockp CY d rock - 25% Rock. 0.750			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 4, Swell factor: 1. Loose volume: 5, Source of estimated vo Source of estimated vo So	\$339.07 \$678.13 NTITIES 000 250 000 LCY lume: Div vell factor: Car CTION : 50 feet duction: 1,400 description: 0 : -10 % 5,800 feet 2,650 lbs/L0 Decomposed on Factor or Skill:	vision of Reclamati t Handbook et 0.0 LCY/hr Consolidated stockp CY d rock - 25% Rock, 0.750 1.000	ion, Mining & Safety 		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume:4, Swell factor:1. Loose volume:5, Source of estimated vo Source of estimated sw HOURLY PRODU Average push distance Unadjusted hourly pro Materials consistency of Average push gradient Average site altitude: Material weight: Weight description: Job Condition Correction Operation Material consistency of	\$339.07 \$678.13 NTITIES 000 250 000 LCY lume: Div vell factor: Car CTION : 50 feet duction: 1,400 description: 0 : -10 % 5,800 feet 2,650 lbs/L0 Decomposed on Factor or Skill:	vision of Reclamati t Handbook et 0.0 LCY/hr Consolidated stockp CY d rock - 25% Rock. 0.750			

Task # 001

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	1.000	(DOZ-OC)
Push gradient:	1.225	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.868	(CAT HB)
Blade type:	1.000	(PAT)
Net correction:	0.7943	
Adjusted unit production: 1,	112.02 LCY/hr	
Adjusted fleet production: 22	24.04 LCY/hr	

Fleet size:	2 Dozer(s)
Unit cost:	\$0.305/LCY

Total job time:	2.25 Hours
Total job cost:	\$1,525

MOTOR GRADER WORK

Task description:	Grading 11.04 acres			
Bedrock Mine #1	Permit Action:	2025 TR4	Permit/Job#	: <u>M1997086</u>
PROJECT IDENTI	FICATION			
Task #: 002A	State: Colorado)	Abbreviation:	None
Date: 2/19/2025			Filename:	M086-002a
User: JLC	,			
A gency or org	anization name: DRMS			
Agency of orga				
HOURLY EQUIPM	<u>ENT COST</u>			
Basic Machin	e: CAT 120M		Horsepower:	138
Ripper Attachmer				per day
11				CRG)
C + D = 1-1				
Cost Breakdown:			Utilization %	
Own	ership Cost/Hour:		NA	
One	erating Cost/Hour:	¢ 42 7 C	100	
	ership Cost/Hour:	\$0.00	NA	
	erating Cost/Hour:	\$0.00		
	erator Cost/Hour:	\$56.70	NA	
Tota	ll Unit Cost/Hour:	\$153.28		
Τ	l Fleet Cost/Hour: \$3	06.56		
	a to be graded or ripped: <u>11.04</u>			acres
Sour	ce of estimated acreage: <u>TR4</u>	Current Reclamati	on Tasks Needed	
HOURLY PRODUC	<u>TION</u>			
	Average Grader Speed:	3.25	mph	
	Selected Application:		olading (0-6 mph) - 3.25	
	Selected Blade Angle:	0	degrees	
	Effective Blade Length:	12.00	feet	
	of blade overlap per pass:	2.00	feet	
	or ripping width per pass:	10.00	feet	
	d Hourly Unit Production:	3.9394	acres/hour	
Job Condition Correctio			e Altitude: <u>5800</u> feet	
Altitude Adj:	Sourc 1.00 (CAT H			
Job Efficiency:	0.85 (2sh/d, f			
Net Correction:	0.8500 multiplie			
	Adjusted Hourly Unit Production		acres/Hour	
I	Adjusted Hourly Fleet Production	n: 6.6970	acres/Hour	
JOB TIME AND CC	ЭST			
			4	
Fleet size:	2 Grader(s)	Total job time:	1.65	Hours
Unit cost: \$4	5.78 per acre	Total job cost:	\$505	
ψτ	Per dere	10.00 0031.	ψυνυ	-

REVEGETATION WORK

Task descripte: Bedrock		Tilling 39.80 acres Permit Action: 2025 TR4	Permit/Job#: M19	07086
PROJECT Task #:	IDENTIFIC 003	CATION State: Colorado	Abbreviation: None	
Date: User: Age	$\frac{2/18/2025}{JLC}$	County: <u>Pueblo</u> ization name: <u>DRMS</u>	Filename: <u>M086-0</u>	03

TILLING

Description		Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)		\$117.61
	Total Tilling Cost/Acre	\$117.61

	No. of Acres:	39.8	Cos	t /Acre:	\$117.61
Estimate	ed Failure Rate:	0%	Cost	/Acre*:	\$117.61
*Selected Replanti	ng Work Items:	TILLING			
Initial Job Cost:	\$4,680.88				
Reseeding Job Cost:	\$0.00				
Total Job Cost:	\$4,681				
Job Hours:	20.00				

Page 1 of 2

SCRAPER TEAMWORK

Site: Bedrock Mine #1		Permit Action:	2025 TR4	Perr	nit/Job#: <u>M199</u>	7086
PROJECT IDENT	IFICATION					
Task #:004		State: <u>Colorado</u>		Abbrev		
Date: <u>2/19/20</u> User: <u>JLC</u>	<u>25</u> Cou	unty: <u>Pueblo</u>		File	ename: <u>M086-</u>	004
Agency or c	organization name:	DRMS				
HOURLY EQUIP	MENT_		COST S	hift basis: <u>1 per c</u>	lay	
		Equipme	ent Description			
			G w/push-pull			
	- rt Equipment -Load		T - 8SU			
Suppor		p Area: NA				
Road Mai	intenance – Motor (20M			
	-Water	Truck: NA				
Cost Ducoladorum	Comercia West	J. T	Second States		Maintananaa	D
<u>Cost Breakdown</u> :	Scraper Wor Scraper	Dozer	Support Equi Load Area	Dump Area	Maintenance Motor Grader	Water T
%Utilization-machine:	100	100	NA	NA	50	-
Ownership cost/hour:	\$234.09	\$173.32	NA	NA	\$52.82	
Operating cost/hour:	\$265.71	\$109.71	NA	NA	\$21.88	
%Utilization-ripper:	NA	15	NA	NA	NA	
Ripper own. cost/hour:	NA	\$13.69	NA	NA	\$0.00	
Ripper op. cost/hour:	NA	\$1.39	NA	NA	\$0.00	
Operator cost/hour:	\$57.52	\$40.04	NA	NA	\$56.70	
Unit Subtotals:	\$557.32	\$338.14	NA	NA	\$131.40	
Number of Units:	2	2	0	0	2	
Group Subtotals:	Work:	\$1,790.92	Support:	\$0.00	Maint:	\$262.8
Total work team cost	/hour: \$2,053.72					
MATERIAL QUA	<u>NTITIES</u>					
Initial volume:	7,784	CCY	Swell fact	tor: <u>1.250</u>		
Loose volume:	9,730	LCY				
	rce of estimated vo of estimated swell f		of Reclamation, 1 dbook	Mining & Safety		
HOURLY PRODU	UCTION					
	_		Scraper Be	owl (volume) Basi	is:	
Material weight:	2,650 lbs/LCY		Struck	Volume: 15.70	L	CY
Material description:	Decomposed rock 75% Earth	k - 25% Rock,	Heaped			СҮ
						GT <i>I</i>
Rated Payload:	52,800 pounds		Average	Volume: 18.85	L	CY

Cycle Time:

Scraper Loading Time: Maneuver and Spread Time:

Job Condition Correction:

<u>0.90</u> Minutes <u>0.60</u> Minutes

Site Altitude: 5800 feet

	Scraper	Push Dozer	Source
Altitude Adj:	1.000	1.000	(CAT HB)
Job Efficiency:	0.830	0.830	(CAT HB)
Net Correction:	0.830	0.830	

Travel Time:

Road Condition: Hard, smooth, stabilized, surfaced, watered, maintained 2.0

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	1025.00	0.00	2.00	2.00	2868	0.55
2	850.00	0.00	2.00	2.00	2868	0.30
3	500.00	0.00	2.00	2.00	2868	0.17

Haul Time: 1.02 minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	500.00	0.00	2.00	2.00	2905	0.28
2	850.00	0.00	2.00	2.00	2905	0.29
3	1025.00	0.00	2.00	2.00	2905	0.35

Return Time:	0.92	minutes
Total Scraper team cycle time:	3.44	minutes
Adjusted for job conditions:	545.77	LCY/Hour
Selected Number of Scrapers:	2	Scraper(s)
Adjusted single scraper team (unit) hourly production:	545.77	LCY/Hour
Adjusted multiple scraper team (fleet) hourly production:	545.77	LCY/Hour
Unadjusted unit production/hour: 657.56 LCY/Hour		

Fleet size:	1	Team(s)	Total job time:	17.83	Hours
Unit cost:	\$3.763	/LCY	Total job cost: _	\$36,614	

REVEGETATION WORK

Task descri	ption:	Revegetation of 49.46 acres			
Site: Bedrock	Mine #1	Permit Action:	2025 TR4	Permit/Joł	o#: <u>M1997086</u>
	IDENTIFIC				N
Task #: Date:	006 2/19/2025	State: Colorado County: Pueblo		Abbreviation: Filename:	None M086-006
User: Ag	JLC ency or organiz	zation name:DRMS			

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
Weed control spraying (MEANS 31 31 16.13 3100)	\$338.80
Total Tilling Cost/Acre	\$338.80

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Orchardgrass - Paiute	1.00	12.40	\$4.59
Rye, Perennial Tetraploid - Tetra-Plus	1.00	5.67	\$2.28
Crested Wheatgrass - Hy-Crest	1.00	4.59	\$5.05
Russian Wildrye - Bozoisky	2.00	8.03	\$22.15
Smooth Brome - Lincoln	2.00	6.66	\$9.71
Intermediate Wheatgrass - Oahe	2.00	4.27	\$9.29
Slender Wheatgrass - Native	1.00	3.65	\$7.06
Totals Seed Mix	10.00	45.27	\$60.13

Application

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

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		

No. of Acres:	49.46	Cost /Acre:	\$635.57
Estimated Failure Rate:	30%	Cost /Acre*:	\$635.57
*Selected Replanting Work Items:	TILLING, SEEDING		

Initial Job Cost:	\$31,435.29
Reseeding Job Cost:	\$9,430.59
Total Job Cost:	\$40,866
Job Hours:	64.30

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description:	Mo	b/Demob					
e: Bedrock Mine	#1	Permit	Action: <u>2025</u>	TR4	I	Permit/Job#: <u>M</u>	1997086
PROJECT IDEN	TIFICATI	ON					
Task #:007			olorado		Abbre	viation: None	
Date: 2/19 User: JLC	/2025	County: <u>Pu</u>	eblo		Fi	lename: M086	-007
Agency of	r organization	n name: DRMS					
EQUIPMENT T	RANSPOR	<u>T RIG COST</u>					
					Shift bas		
				C	Cost Data Sour	ce: CRG Da	ta
Truck	Tractor Desc	ription: GENE	RIC ON-HIGH	WAY TRU	CK TRACTC	R, 6X4, DIESEI	POWERED,
				400 HP	(2ND HALF,	2006)	
Truck	Trailer Desc	ription: G				OP DECK EQU	IPMENT
			,	TRAILER	(25T, 50T, AN	ID 100T)	
Cost Breakdown:							
Available Rig Ca	nacities	0-25 Tons	26-50 Tons	51+	Tons		
Ownership		\$10.44	\$22.18		3.94		
Operating		\$26.48	\$54.55		5.65		
	Cost/Hour:	\$22.52	\$22.52		2.52		
	Cost/Hour:	\$0.00	\$23.53		3.53		
Total Unit		\$59.44	\$122.78		25.64		
	cost nour.	ψυγ.11	<i><i>Q</i>122.70</i>	ψ12	23.01		
NON ROADABI	LE EQUIPN	MENT:					
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	52.21	\$187.01	\$125.64	2	\$625.30	\$251.28	\$500.00
Cat 627G w/push-	43.48	\$234.09	\$122.78	2	\$713.74	\$245.56	\$500.00
pull							
Drill/Broadcast	25.00	\$41.02	\$59.44	2	\$200.92	\$118.88	\$500.00
Seeder with							
Tractor	15.50	\$52.02	ф <u>го</u> 44	2	\$224.52	¢110.00	#500.00
CAT 120M	15.53	\$52.82	\$59.44	2	\$224.52	\$118.88	\$500.00
				Subtotals:	\$1,764.48	\$734.60	\$2,000.00

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	\$108.47	1	\$108.47	\$108.47
		Subtotals:	\$108.47	\$108.47

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: Total one-way travel distance: Average Travel Speed:	PUEBLO 20.00 55.00	miles mph
Total Non-Roadable Mob/Demob Cost *	\$15,275.13	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$78.89	

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):	1.34	NA
Unloading Time (Hours):	1.34	NA
Subtotals:	3.41	0.73

JOB TIME AND COST

Total job time: 6.81 Hours

Total job cost: **\$15,354**