

The Division of Reclamation, Mining and Safety has conducted an inspection of the mining operation noted below. This report documents observations concerning compliance with the terms of the permit and applicable rules and regulations of the Mined Land Reclamation Board.

MINE NAME:	MINE/PROSPECTING ID#:	MINERAL:	COUNTY:
Stones Ranch Grav Pt	M-1991-080	Gravel	Teller
INSPECTION TYPE:	INSPECTOR(S):	INSP. DATE:	INSP. TIME:
Surety-Related Inspection	Timothy A. Cazier	July 7, 2015	13:30
OPERATOR:	OPERATOR REPRESENTATIVE:	TYPE OF OPERAT	TION:
Russ Van Egmond	Russ & Cathleen Van Egmond	110c - Construction I	Limited Impact

REASON FOR INSPECTION:	BOND CALCULATION TYPE:	BOND AMOUNT:
Surety Related	Complete Bond	\$5,089.00
DATE OF COMPLAINT:	POST INSP. CONTACTS:	JOINT INSP. AGENCY:
NA	None	None
WEATHER:	INSPECTOR'S SIGNATURE:	SIGNATURE DATE:
Cloudy	0 fm	July 9, 2015
	10	

GENERAL INSPECTION TOPICS

This list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each. No problems or possible violations were noted during the inspection. The mine operation was found to be in full compliance with Mineral Rules and Regulations of the Colorado Mined Land Reclamation Board for the Extraction of Construction Materials and/or for Hard Rock, Metal and Designated Mining Operations. Any person engaged in any mining operation shall notify the office of any failure or imminent failure, as soon as reasonably practicable after such person has knowledge of such condition or of any impoundment, embankment, or slope that poses a reasonable potential for danger to any persons or property or to the environment; or any environmental protection facility designed to contain or control chemicals or waste which are acid or toxic-forming, as identified in the permit.

(AR) RECORDS <u>Y</u>	(FN) FINANCIAL WARRANTY Y	(RD) ROADS <u>Y</u>
(HB) HYDROLOGIC BALANCE <u>Y</u>	(BG) BACKFILL & GRADING <u>Y</u>	(EX) EXPLOSIVES <u>N</u>
(PW) PROCESSING WASTE/TAILING <u>NA</u>	(SF) PROCESSING FACILITIES <u>N</u>	(TS) TOPSOIL <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE <u>Y</u>	(RV) REVEGETATION Y
(SM) SIGNS AND MARKERS <u>Y</u>	(SP) STORM WATER MGT PLAN <u>N</u>	(SB) COMPLETE INSP <u>N</u>
(ES) OVERBURDEN/DEV. WASTE <u>Y</u>	(SC) EROSION/SEDIMENTATION Y	(RS) RECL PLAN/COMP <u>NA</u>
(AT) ACID OR TOXIC MATERIALS <u>NA</u>	(OD) OFF-SITE DAMAGE <u>Y</u>	(ST) STIPULATIONS Y

Y = Inspected and found in compliance / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

OBSERVATIONS

This inspection was conducted to discuss specifics related Technical Revision TR-02 in order to discuss clarifications to the mining and reclamation plans. Russ and Cathleen Van Egmond were present for the inspection, representing the Operator. This is a 110c gravel mine. The mine operated intermittently during the inspection, picking boulders from a stockpile, loading in a truck and hauling off site.

The Stones Ranch Gravel Pit entrance is located approximately 5.5 miles northwest of Cripple Creek, off County Road 1.

Inspection: Permit signs were displayed on either side of the access road at the site entrance (see **Photo 1**). The permit boundary was fenced along the entire perimeter (see **Photo 2**). Mr. Van Egmond indicated the truck scale and the office are both portable. As such, the demolition of either structure is NOT included in the reclamation cost estimate.

Mine Plan: Mr. Van Egmond explained blasting is performed in such that benches are 12 feet high and roughly 30 feet wide (see **Photo 3**). He also indicated the subsurface material is highly variable: ranging from clay, to rippable material and competent rock (requiring blasting). They have clay stockpiles (see **Photo 4**) to be blended in as a binder for the gravel material as needed. Backfill material was being pushed from the southern permit boundary towards the pit floor for (see **Photos 5** and **6**) for sale as well as later reclamation.

Reclamation Plan: Mr. Van Egmond asked about reclamation of the rock outcrops or benches. This inspector stated the bench faces can be left as is, but that at least a foot of combined backfill and growth media should be placed on top of the bench. Stormwater management was discussed for reclamation as well – controlling erosion is important for reclamation.

The Operators have stated that approximately one third of the 10-acre site will require revegetation. This will be the sloped southern portion of the pit, which was confirmed during the inspection to be no steeper than 3H:1V incompetent material (i.e., anything that does NOT require blasting for removal). It should be noted that the aforementioned overall mine bench configuration (30H:12V) is slightly steeper at an actual 2.5H:1V than the required 3:1, but is expected to be stable as it is mostly competent rock. The Division will work with the Operator as the mine progresses and make reclamation recommendations with respect to slope stability for reclamation, if necessary. At 2.5H:1V, a geotechnical slope stability analyses for competent rock is not considered necessary at this time.

Based on site observations during the inspection, this inspector estimated only 2.5 acres might need revegetation work for reclamation (allowing for competent rock that cannot be reasonably revegetated). This is reflected in the enclosed revised bond estimate. Further, only the pit's east and west highwalls (see **Photo 3**) will need to be backfilled to 3H:1V. Backfill volume estimates are enclosed and are based on measurements shown on **Figure 1**.

Records: The Division has received the annual fee and map for 2014 (due in October), but not the annual report. This inspector left a blank copy of the 2014 annual report with Cathleen Van Egmond to complete and mail to the Division. She indicated she would.

Current Stipulations:

None.

Bond:

The current bond has not been updated since 2005. This inspection was for the purpose of helping the Operator facilitate a viable reclamation plan for TR-02 that is consistent with the post-mine land use modified in TR-01. A revised bond calculation is attached.

Summary and Recommendations:

- 1. The Division confirmed with the Operator that backfill of the pit slopes will be at 3H:1V. This applies to all slopes of incompetent material.
- 2. Based on this inspection and the clarification stated within this report, the Division will recommend approval of TR-02. You will be notified of the approval under separate cover.
- 3. A revised bond estimate is <u>enclosed</u>. Please contact the Division if you have comments or questions.
- 4. The Operator must submit the 2014 annual report to the Division as soon as possible.

Please contact Tim Cazier (303-866-3567, ext. 8169) if you have any questions regarding the require TR or this report.

PHOTOGRAPHS



Photo 1. Permit sign displayed on right side of the access road at the site entrance.

PHOTOGRAPHS (cont.)



Photo 2. Fenced permit boundary (looking SE).



Photo 3. Southern end of pit, Note benches (looking south).

PHOTOGRAPHS (cont.)



Photo 4. Clay stockpiles (looking NE).



Photo 5. Backfill material being pushed down towards the pit floor (looking north).

PHOTOGRAPHS (cont.)



Photo 6. Backfill material being pushed down from the southern permit boundary (looking north). *Note boundary fence posts.*

Inspection Contact Address

Russ & Cathleen Van Egmond Russ Van Egmond 546 Doe Valley Rd. Guffey, CO 80820

Enclosures

CC: Wally Erickson, DRMS DRMS file

FIGURE 1. STONES RANCH HIGHWALLS



VOLUME CALCULATION SHEET 1 OF 2



VOLUME CALCULATION SHEET 2 OF 2



COST SUMMARY WORK

e: Stones R	anch Grav Pt		Permit Action: TR-0	2 Permit/J	ob#: <u>M1991080</u>
PROJECT	<u>IDENTIFICA</u>	TION			
Task #:	000	State:	Colorado	Abbreviation:	None
Date:	7/9/2015	County:	Teller	Filename:	M080-000
User:	TC1				

TASK LIST (DIRECT COSTS)

Teck		Form	Fleet	Task	
Task	Description	Used	Size	Hours	Cost
001	Backfill Side Pit Walls to a 3H:1V Slope	DOZER	1	5.47	\$1,142.00
002	Apply 4 inches of Growth Medium over 2.5 Ac	DOZER	1	4.04	\$843.00
003	Revegetate 2.5 Acres (incl. old Task 005-weed	REVEGE	1	10.00	\$4,172.00
	control)				
006	Mob/demob Equipment	MOBILIZE	1	1.60	\$795.00
		<u>SUBTO</u>	TALS:	21.11	\$6,952

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02%	Total =	\$140.43
Performance bond:	1.05%	Total =	\$73.00
Job superintendent:	14.03 hrs	Total =	\$1,054.49
Profit:	10.00%	Total =	\$695.20
		TOTAL O & P =	\$1,963.12
		CONTRACT AMOUNT (direct + O & P) = $($	\$8,915.12

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	0.00	Total =	0.00
Engineering work and/or contract/bid preparation:	0.00%	Total =	\$0.00
Reclamation management and/or administration:	5.00%		\$445.76
CONTINGENCY:	0.00	Total =	\$0.00
	TOTAL	INDIRECT COST =	\$2,408.88
TOTAL B	OND AMOUNT	(direct + indirect) =	\$9,360.88

BULLDOZER WORK

Task description:	Backfill Side Pit Walls to a 3H	:1V Slope		
: Stones Ranch Grav F	Pt Permit Action:	FR-02	Permit/Job#:	M1991080
PROJECT IDENTIF	ICATION			
Task #: 001 Date: 7/9/2015 User: TC1	State: Colorado County: Teller		Abbreviation: Filename:	None M080-001
Agency or orga	nization name: DRMS			
HOURLY EQUIPMI	ENT COST			
Basic Machine: Ca	t D8T - 8U			
Horsepower: 31	0	-		
Blade Type: Un	iversal			
Attachment: NA				
Shift Basis: <u>I p</u>	per day			
Data Source: (C.	KG)			
Cost Breakdown:				
	<i>* - 2 - 7</i>	<u>Utilization %</u>		
Ownership Cost/Hour:	\$62.67	NA 100		
Dipper on Cost/Hour:	\$108.22	100		
Operator Cost/Hour:	\$0.00			
Operator Cost/fibur.	\$58.01	INA		
Initial Volume: 980				
Swell factor: 1.00 Loose volume: 980	00 LCY			
Source of estimated volu	me: 7/7/15 Inspection photos	S		
Source of estimated swel	l factor: Cat Handbook	·		
HOURLY PRODUC	TION			
Average push distance:	150 feet			
Unadjusted hourly produ	ction: 685.7 LCY/hr			
Materials consistency de	scription: Compacted fill or emb	oankment 0.9		
Average push gradient: Average site altitude:	20 % 8,500 feet			
Material weight:	_2,900 lbs/LCY		-	
Weight description:	Decomposed rock - 50% Rock, 5	0% Earth		
Job Condition Correction	<u>n Factor</u>	Source		
Operator	Skill: 0.750	(AVG.)		
Material consist	tency: 0.900	(CAT HB))		
Dozing me	bility: 1.000			
V ISI Tala a CC al	0 820			
Job effici	U.830	(I SHIFI/DAY)		

1.000

(PAT)

Net correction: 0.2615

Blade type:

Adjusted unit production:	179.31 LCY/hr
Adjusted fleet production:	179.31 LCY/hr

JOB TIME AND COST

Fleet size:	1 Dozer(s)
Unit cost:	\$1.165/LCY

Total job time:	5.47 Hours
Total job cost:	\$1,142

BULLDOZER WORK

Task description:	_ Apply 4	a menes of Growth M	eulum over 2.5 Ac		
Stones Ranch Grav	Pt	Permit Action:	TR-02	Permit/Job#:	M1991080
PROJECT IDENTI	FICATION	<u>N</u>			
Task #: 002		State: Colorado		Abbreviation:	None
Date: 7/9/2015		County: Teller		Filename:	M080-002
User: TC1					
Agency or org	anization na	me: DRMS			
HOURLY EQUIPM	IENT COS	<u>T</u>			
Basic Machine: C	at D8T - 8U				
Horsepower: 3	10				
Blade Type: U	niversal				
Attachment: <u>N</u>	A por day		_		
Data Source: ((CRG)				
			_		
Cost Breakdown:		Ι	Litilization 0/		
Ownershin Cost/Hour		\$62.67	<u>ounzation %</u> NA		
Operating Cost/Hour	·	\$108.22	100		
Ripper op. Cost/Hour	:	\$0.00	0		
Operator Cost/Herry		\$38.01	NA		
Operator Cost/Hour	•				
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN	\$208.90 \$208.90 \$208.90				
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 1,3 Swell factor: 1.0 Loose volume: 1,3	\$208.90 \$208.90 TITIES 444 000 444 LCY				
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 1,3 Swell factor: 1.0 Loose volume: 1,3 Source of estimated vol Source of estimated swell	\$208.90 \$208.90 TITIES 44 000 444 LCY ume: ell factor:	4 inches from TR-02 o Cat Handbook	over 2.5 acres		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 1,3 Swell factor: 1.0 Loose volume: 1,3 Source of estimated vol Source of estimated swe HOURLY PRODUCE	\$208.90 \$208.90 TITIES 44 000 44 LCY ume: ell factor:	4 inches from TR-02 c Cat Handbook	 over 2.5 acres		
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Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 1,3 Swell factor: 1,0 Loose volume: 1,3 Source of estimated vol Source of estimated sweet HOURLY PRODUC Average push distance: Unadjusted hourly prod Materials consistency d Average push gradient: Average site altitude:	\$208.90 \$208.90 TITIES 44 000 44 LCY ume: ell factor: CTION uction: escription: 8,500 fe	4 inches from TR-02 o Cat Handbook 50 feet 00.0 LCY/hr Compacted fill or en et	 over 2.5 acres		
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Total unit Cost/Hour: Total Fleet Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 1,3 Swell factor: 1.0 Loose volume: 1,3 Source of estimated vol Source of estimated swell HOURLY PRODUC Average push distance: Unadjusted hourly prod Materials consistency d Average site altitude: Material weight: Weight description:	\$208.90 \$208.90 TITIES 444 000 444 LCY ume: ell factor: <u>2</u> uction: <u>4</u> escription: <u>-20 %</u> 8,500 fe <u>2,650 lb</u> Decomp	4 inches from TR-02 o Cat Handbook 50 feet 00.0 LCY/hr Compacted fill or en et s/LCY osed rock - 25% Rock,	 over 2.5 acres nbankment 0.9 75% Earth		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 1,3 Swell factor: 1,0 Loose volume: 1,3 Source of estimated vol Source of estimated vol Source of estimated sweet HOURLY PRODUC Average push distance: Unadjusted hourly prod Materials consistency d Average site altitude: Material weight: Weight description: Job Condition Correction	\$208.90 \$208.90 TITIES 444 000 444 LCY ume: ell factor: CTION uction: <u>2</u> uction: escription: 8,500 fe 2,650 lb Decomp on Factor	4 inches from TR-02 c Cat Handbook 50 feet 00.0 LCY/hr Compacted fill or en et s/LCY osed rock - 25% Rock,	ver 2.5 acres nbankment 0.9 75% Earth Source		
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Spoil pile:	1.000	(DOZ-OC)
Push gradient:	1.426	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.868	(CAT HB)
Blade type:	1.000	(PAT)
Net correction:	0.8322	
Adjusted unit production: 33	32.88 LCY/hr	
Adjusted fleet production: 3	32.88 LCY/hr	

JOB TIME AND COST

Fleet size:	1 Dozer(s)
Unit cost:	\$0.628/LCY

Total job time:	4.04 Hours
Total job cost:	\$843

REVEGETATION WORK

]	Fask descrip	otion:	Revegetate 2.5 A	cres (incl. old Tas	k 005-weed control)		
Site:	Stones Ra	anch Grav Pt	Peri	mit Action: TR-0)2	Permit/Job#:	M1991080
1	PROJECT	<u>CIDENTIFIC</u>	CATION State:	Colorado		Abbreviation	None
	Date	7/9/2015	State.	Teller		Filename	M080-003
	User:	TC1	County.	101101		i nename.	11000 005
	Ag	ency or organi	zation name: DR	MS			

FERTILIZING

Materials				
Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Ammonium nitrate, 33-0-0	40.00	pound	\$0.36	\$14.36
Potassium nitrate, 13-46-0	40.00	pound	\$1.25	\$49.84
			Total Fertilizer Materials Cost/Acre	\$64.20

Application

Description		Cost /Acre
Tractor towed spreader (MEANS 32 01 90.13 0120)		\$52.71
	Total Fertilizer Application Cost/Acre	\$52.71

TILLING

Description	Cost /Acre
Chisel plowing {DMG}	\$88.58
Total Tilling Cost/Acre	\$88.58

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Smooth Brome - Lincoln	26.00	86.55	\$34.58
Pubescent Wheatgrass - Luna	28.00	57.85	\$62.72
Sheep Fescue - Covar	8.00	124.89	\$26.80
Totals Seed Mix	62.00	269.28	\$124.10

Application

Cost /Acre
\$261.28

Total Seed Application Cost/Acre \$261.28

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$265.00	\$530.00
Total Mulch Materials Cost/Acre				\$530.00

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$65.89
Power mulcher (MEANS 32 91 13.16 0250)		\$86.68
Weed spray, truck, non-aquatic area, nox. [DMG]		\$61.49
	Total Mulch Application Cost/Acre	\$214.06

NURSERY STOCK PLANTING

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

JOB TIME AND COST

No. of Acres:		2.5	Cost /Acre:	\$1,334.93		
Estimated Failure Rate:		25%	Cost /Acre*:	\$1,334.93		
*Selected Replanting Work Items:		FERTILIZING, TILLING, SEEDING, MU				
		LCHING				
Initial Job Cost:	\$3,337.33					
Reseeding Job Cost:	\$834.33					
Total Job Cost:	\$4,172					
Job Hours:	10.00					

EQUIPMENT MOBILIZATION/DEMOBILIZATION

		lob/demob Equipm	ent				
e: Stones Ranch Grav Pt		Permit A	Permit Action: TR-02		Pe	rmit/Job#:	M1991080
PROJECT	IDENTIFICA	TION					
Task #: _ Date: _ User: _	006 7/9/2015 TC1	State: Co County: Te	olorado eller		Abbr	eviation: ilename:	None M080-006
Age	ncy or organiza	tion name: DRMS					
<u>EQUIPME</u>	NT TRANSPO	ORT RIG COST					
					Shift ba Cost Data Sou	nsis: <u>1</u> rce: <u>CI</u>	per day RG Data
Ţ	Fruck Tractor D	escription: GEN	ERIC ON-HIGH	WAY TRU 400 HP	JCK TRACTO (2ND HALF.	DR, 6X4, DI 2006)	ESEL POWERED,
	Truck Trailer D	escription: GENE	ERIC FOLDING	GOOSEN (25T	ECK, DROP I 50T, AND 10	DECK EQU	IPMENT TRAILER
Cost Breakdo	wn:						
Available Rig Capacities		0-25 Tons	26-50 Tons	51-	- Tons		
Ownership Cost/Hour:		: \$16.63	\$18.37	\$2	\$22.33		
Operating Cost/Hour:			\$46.10	\$2	\$50.07		
Operator Cost/Hour:		: \$44.38	\$46.13	φ.	50.07		
Ope	ating Cost/Hour rator Cost/Hour	: \$44.38 : \$27.66	\$46.13 \$27.66	\$2	27.66		
Ope He	ating Cost/Hour rator Cost/Hour elper Cost/Hour	: \$44.38 : \$27.66 : \$0.00	\$46.13 \$27.66 \$25.39	\$2	27.66 25.39		
Ope H Total	ating Cost/Hour rator Cost/Hour elper Cost/Hour Unit Cost/Hour	: \$44.38 : \$27.66 : \$0.00 : \$88.67	\$46.13 \$27.66 \$25.39 \$117.55	\$2 \$2 \$2 \$1 \$1	27.66 25.39 25.45		
Ope Ha Total	ating Cost/Hour rator Cost/Hour elper Cost/Hour Unit Cost/Hour DABLE EQU	: \$44.38 : \$27.66 : \$0.00 : \$88.67 IPMENT:	\$46.13 \$27.66 \$25.39 \$117.55	\$2 \$2 \$2 \$1	27.66 25.39 25.45		
Ope Ha Total NON ROAL	ating Cost/Hour rator Cost/Hour elper Cost/Hour Unit Cost/Hour DABLE EQU	: \$44.38 : \$27.66 : \$0.00 : \$88.67 IPMENT: (Owner ship	\$46.13 \$27.66 \$25.39 \$117.55	5. 52 52 \$1 Fleet	27.66 25.39 25.45	Return Ti	in DOT Perm
Ope Hi Total NON ROAI Machine Description	ating Cost/Hour rator Cost/Hour elper Cost/Hour Unit Cost/Hour DABLE EQU Weight Unit	: \$44.38 : \$27.66 : \$0.00 : \$88.67 IPMENT: Owner ship Cost/hr/ unit	\$46.13 \$27.66 \$25.39 \$117.55 Haul Rig Cost/hr/unit	Fleet Size	27.66 25.39 25.45 Haul Trip Cost/hr/	Return Tr Cost/hr/ f	rip DOT Perm leet Cost/ fleet
Ope H Total NON ROA Machine Description	ating Cost/Hour rator Cost/Hour elper Cost/Hour Unit Cost/Hour DABLE EQU Weight/ Unit (TONS)	: \$44.38 : \$27.66 : \$0.00 : \$88.67 IPMENT: Owner ship Cost/hr/ unit	\$46.13 \$27.66 \$25.39 \$117.55 Haul Rig Cost/hr/unit	Fleet Size	27.66 25.39 25.45 Haul Trip Cost/hr/ fleet	Return Ti Cost/hr/ f	rip DOT Perm leet Cost/ fleet
Ope H Total NON ROAI Machine Description Cat D8T - 8U	ating Cost/Hour rator Cost/Hour elper Cost/Hour Unit Cost/Hour DABLE EQU Weight Unit (TONS) 48.33	: \$44.38 : \$27.66 : \$0.00 : \$88.67 IPMENT: / Owner ship Cost/hr/ unit \$62.67	\$46.13 \$27.66 \$25.39 \$117.55 Haul Rig Cost/hr/unit \$117.55	\$. \$. \$. \$. \$. \$. \$. \$. \$. \$. \$. \$. \$.	27.66 25.39 25.45 Haul Trip Cost/hr/ fleet \$180.22	Return Tr Cost/hr/ f \$117.55	rip leet Cost/ fleet \$250.00
Ope H Total NON ROAI Machine Description Cat D8T - 8U	ating Cost/Hour rator Cost/Hour elper Cost/Hour Unit Cost/Hour DABLE EQU Weight Unit (TONS) 48.33	: \$44.38 : \$27.66 : \$0.00 : \$88.67 IPMENT: / Owner ship Cost/hr/ unit \$62.67	\$46.13 \$27.66 \$25.39 \$117.55 Haul Rig Cost/hr/unit \$117.55	Fleet Size	27.66 25.39 25.45 Haul Trip Cost/hr/ fleet \$180.22 \$180.22	Return Tr Cost/hr/ f \$117.55 \$117.5	rip leet DOT Permi Cost/ fleet \$250.00 55 \$250.00

Total Cost/hr/ unit Fleet Size Haul Trip Return Trip Machine Description Cost/hr/ fleet Cost/hr/ fleet Drill/Broadcast Seeder with \$52.78 1 \$52.78 \$52.78 Tractor Power Mulcher (Reinco M90) \$26.19 1 \$26.19 \$26.19 Subtotals: \$78.97 \$78.97

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	CRIPPLE CREEK	
Total one-way travel distance:	7.00	miles
Average Travel Speed:	35.00	mph
Total Non-Roadable Mob/Demob Cost *	\$763.28	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$31.59	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.20	0.20
Return Time (Hours):	0.20	0.20
Loading Time (Hours):	0.20	NA
Unloading Time (Hours):	0.20	NA
Subtotals:	0.80	0.40

JOB TIME AND COST

Total job time: **1.60** Hours

Total job cost: **\$795**