


MINERALS PROGRAM INSPECTION REPORT
PHONE: (303) 866-3567

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: The Orr Pit	MINE/PROSPECTING ID#: M-2009-074	MINERAL: Sand and gravel	COUNTY: Pueblo
INSPECTION TYPE: Monitoring	WEATHER: Clear	INSP. DATE: February 28, 2023	INSP. TIME: 08:45
OPERATOR: Colorado Backhoe Service	OPERATOR REPRESENTATIVE: Thomas Joseph	TYPE OF OPERATION: 112c - Construction Regular Operation	

REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Partial Bond	BOND AMOUNT: \$15,000.00
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None
INSPECTOR(S): Amber Michels Jared Ebert	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: March 16, 2023

The following inspection topics were identified as having Problems or Possible Violations. OPERATORS SHOULD READ THE FOLLOWING PAGES CAREFULLY IN ORDER TO ASSURE COMPLIANCE WITH THE TERMS OF THE PERMIT AND APPLICABLE RULES AND REGULATIONS. If a Possible Violation is indicated, you will be notified under separate cover as to when the Mined Land Reclamation Board will consider possible enforcement action.

INSPECTION TOPIC: Topsoil

PROBLEM: The topsoil stockpiles do not have established vegetation on them and are therefore susceptible to erosion. Rule 3.1.9(1) states if topsoil is not replaced into the backfill area within a time short enough to avoid deterioration of the topsoil, vegetative cover or other means shall be employed so that the topsoil is protected from erosion.

CORRECTIVE ACTIONS: The operator shall relocate and seed the topsoil stockpiles with the seed mix that was submitted as part of the approved Reclamation Plan. The Operator shall demonstrate compliance by submitting seed tags, a bill of sale or photographs of seeding activities. The Operator may also request a follow up inspection.

CORRECTIVE ACTION DUE DATE: 4/15/23

GENERAL INSPECTION TOPICS

The following list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each

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

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

OBSERVATIONS

The Orr Pit is a Construction Material Limited 112c Operation Reclamation Permit and is approved to affect 25.12 acres of land. Affected lands will be reclaimed to support rangeland post-mining land use. The site is located one mile west of Vineland, Colorado. The Division met Thomas Joseph, representing Colorado Backhoe Service, at the mine site entrance on the east side of 33rd Lane, approximately 750 feet south of US Business Highway 50. The mine site identification sign was posted at the entrance and was in compliance with Rule 3.1.12(1). The weather was sunny and clear.

Acid And Toxic Materials:

Fuel is stored onsite in a double-walled tank and is surrounded by concrete blocks. The storage tank appeared to be well insulated and no spills were observed.

Backfilling and Grading:

This site will require a combination of backfilling and grading. The working face will be cut and backfilled to create a 3H:1V slope. The Operator stated that they will soon begin mining towards the southern portion of the permit boundary from the north-east corner along the eastern border. The Operator was reminded that in doing so they will need to leave enough room along the permit boundary for the equipment to backfill and grade the slope so that they do not create off-site damage. The Operator committed to keeping a 5'-10' buffer between the fence and the working face. The mining floor will be graded and graveled in the area that pre-law mining took place.

Financial Warranty:

The current bond held by the Division for this site is in the amount of \$15,000. The Division updated the cost estimate to reflect current conditions and the required surety is in the amount of \$21,784, a difference of \$6,784. The Division's cost estimate is enclosed with this report. The Operator will have 14 days (March 29, 2023), from the issuance of this report to submit any questions on the cost estimate. If no questions are received, the Division will issue a surety increase notice for the difference. The Operator will have 60 days from the date of the notice to submit and obtain acceptance of the increase from the Division.

Hydrologic Balance:

The currently approved reclamation plan stated that there may be storm water retention ponds on site created from a pre-law mining operation, and that they were to be filled in as part of the floor grading plan during reclamation. When asked about this, the Operator stated that the depression that would have held storm water has since been filled in and no longer stores water. There was some shallow standing water observed onsite in the graded run-off ditches for the interior road. These have been designed to allow this surface water to soak into the ground or evaporate within 72 hours.

Gen. Compliance With Mine Plan:

Mining currently is progressing from the north-west side of the permit to the north-east corner. Mining will continue down the eastern border of the permit, with a 5'-10' buffer from the fence line to ensure off-site damage will not occur.

Currently toward the center of the operation, the working face is steeper than a 2H:1V slope and is approximately 15'-20' in height that faces west. The topsoil is located behind this working face.

The Operator stated interest in expanding the permit acreage, but does not have definite plans to do so at this time.

Processing Waste:

The Operator stated that much of their income from the operation comes from crushing, processing, and selling imported products. This is approved and the Operator stated that they do not use this as backfill. Various product stockpiles were observed on site.

Reclamation Success:

Reclamation has not yet begun at this site. However, because the Operator needs to move their topsoil piles, they stated that they may position the topsoil piles where they can be used immediately for reclaiming the mined out areas on the north and north-west area of the permit.

Signs and Markers:

A permit sign was observed at the entrance to the site. The Operator also led the inspectors to each permit corner marker where GPS coordinates were then collected.

Topsoil:

A problem was cited above for improper topsoil storage. Currently, the topsoil is being stockpiled concurrently with mining, and is surrounding the active mining pit in the east-central portion of the permit. Pursuant to Rule 3.1.9(3) topsoil must be stockpiled in places and configurations to minimize erosion and located in areas where disturbance by ongoing mining operations will be minimized. The Operator shall submit evidence to the Division that the topsoil piles have been re-located and stabilized prior to the corrective actions date.

This concludes the Division's Inspection Report; a subset of photographs taken during the time of the inspection, and a map with the GPS located corner markers are included below. If you need additional information or have any questions, please contact me by email at amber.michels@state.co.us or by telephone at (720) 836-0967.

Inspection Contact Address

Thomas Joseph
Colorado Backhoe Service
25193 South Road
Pueblo, CO 81006

Enclosure: DRMS Updated Reclamation Cost Estimate

CC: Jared Ebert, DRMS

PHOTOGRAPHS



Photo 1: Mine sign at the entrance to the site.



Photo 2: Looking east across the site standing at the south-west corner.



Photo 3: Looking north standing at the south-west corner.



Photo 4: Looking south-west at the south-west corner post.



Photo 5: Looking east from the north-west corner.



Photo 6: Looking north-west at the north-west corner post. Arrow pointing at entrance sign.



Photo 7: Looking east at the north-east corner post.



Photo 8: Looking south-west from the north-east corner.



Photo 9: Looking north-east at the north-east corner.



Photo 10: Looking south across the site at imported material stockpiles.



Photo 11: Looking west across the open pit.



Photo 12: Looking north-west across the pit at the current topsoil pile (arrows) and shallow standing water.



Photo 13: Looking north at imported waste product being temporarily stored onsite



Photo 14: Looking east at the south-east corner.



Photo 15: Looking north across the working face. The working face is at about a 2H:1V slope and is approximately 15'-20' in height.



Photo 16: Fuel storage double-walled container on concrete blocks.



Map showing the GPS coordinates for the permit corner markers collected during the 2023 inspection and the approximate permit boundary

COST SUMMARY WORK

Task description: Reclamation cost summary for The Orr Pit

Site: The Orr Pit

Permit Action: 2023 Inspection ANM

Permit/Job#: M2009074

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 3/14/2023

County: Pueblo

Filename: _____

User: ANM

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Cut/Fill Working Face	DOZER	1	4.20	\$1,188
002	Rip Mine Floor for Grading	GRADER	1	17.50	\$3,185
003	Grade Mine Floor	GRADER	1	15.79	\$2,874
004	Spread Gravel on Remaining Mine Floor	DOZER	1	5.93	\$1,678
005	Revegetate Mine Slopes	REVEGE	1	5.00	\$3,705
006	Mob/Demob of Reclamation Equipment	MOBILIZE	1	2.27	\$2,916
<u>SUBTOTALS:</u>				50.69	\$15,546

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02
Performance bond: 1.05
Job superintendent: 25.35
Profit: 10.00

Total = \$314
Total = \$163
Total = \$1,904
Total = \$1,555

TOTAL O & P = \$3,936

CONTRACT AMOUNT (direct + O & P) = \$19,482

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$500
Engineering work and/or contract/bid preparation: 4.25
Reclamation management and/or administration: 5.00

Total = \$500
Total = \$828
Total = \$974

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$6,238

TOTAL BOND AMOUNT (direct + indirect) = \$21,784

BULLDOZER WORK

Task description: Cut/Fill Working Face

Site: The Orr Pit

Permit Action: 2023 Inspection ANM

Permit/Job#: M2009074

PROJECT IDENTIFICATION

Task #: 001

State: Colorado

Abbreviation: None

Date: 3/14/2023

County: Pueblo

Filename: 001

User: ANM

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D8T - 8SU

Horsepower: 310

Blade Type: Semi-Universal

Attachment: 3-shank ripper

Shift Basis: 1 per day

Data Source: (CRG)

Cost Breakdown:

		<u>Utilization %</u>
Ownership Cost/Hour:	\$124.85	NA
Operating Cost/Hour:	\$97.63	100
Ripper own. Cost/Hour:	\$13.10	NA
Ripper op. Cost/Hour:	\$7.30	100
Operator Cost/Hour:	\$40.04	NA
Total unit Cost/Hour:	\$282.92	
Total Fleet Cost/Hour:	\$282.92	

MATERIAL QUANTITIES

Initial Volume: 1,748

Swell factor: 1.165

Loose volume: 2,036 LCY

Source of estimated volume: Application

Source of estimated swell
factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 100 feet

Unadjusted hourly
production: 852.6 LCY/hr

Materials consistency
description: Compacted fill or embankment 0.9

Average push
gradient: -30 %

Average site altitude: 4,630 feet

Material weight: 2,900 lbs/LCY

Weight description: Decomposed rock - 50% Rock, 50% Earth

Job Condition Correction Factor

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	0.900	(CAT HB))
Dozing method:	1.000	(GEN.)
Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.793	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.5690

Adjusted unit
production: 485.13 LCY/hr

Adjusted fleet
production: **485.13** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.583/LCY

Total job time: **4.20** Hours

Total job cost: **\$1,188**

MOTOR GRADER WORK

Task description: Rip Mine Floor for Grading

Site: The Orr Pit Permit Action: 2023 Inspection ANM Permit/Job#: M2009074

PROJECT IDENTIFICATION

Task #: 002 State: Colorado Abbreviation: None
Date: 3/14/2023 County: Pueblo Filename: 002
User: ANM

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: CAT 140M Horsepower: 183
Ripper Attachment: Multi-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$75.87</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$53.81</u>	<u>100</u>
Ripper Ownership Cost/Hour:	<u>\$2.84</u>	<u>NA</u>
Ripper Operating Cost/Hour:	<u>\$2.53</u>	<u>100</u>
Operator Cost/Hour:	<u>\$46.87</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$181.92</u>	
Total Fleet Cost/Hour:	<u>\$181.92</u>	

MATERIAL QUANTITIES

Total Area to be graded or ripped: 20.51 acres

Source of estimated acreage: Application

HOURLY PRODUCTION

Average Grader Speed: 1.50 mph
Selected Application: Ripping (0-3 mph) - 1.50
Selected Blade Angle: -1 degrees
Effective Blade Length: 0.00 feet
Width of blade overlap per pass: 2.00 feet
Net grading or ripping width per pass: 7.58 feet
Unadjusted Hourly Unit Production: 1.3782 acres/hour

Job Condition Correction Factors

Site Altitude: 4630 feet

		Source
Altitude Adj:	<u>1.00</u>	<u>(CAT HB)</u>
Job Efficiency:	<u>0.85</u>	<u>(1sh/d, mod.)</u>
Net Correction:	<u>0.8500</u>	<u>multiplier</u>

Adjusted Hourly Unit Production: 1.1715 acres/Hour
Adjusted Hourly Fleet Production: 1.1715 acres/Hour

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 17.51 Hours

Unit cost: \$155.29 per acre Total job cost: \$3,185

MOTOR GRADER WORK

Task description: Grade Mine Floor

Site: The Orr Pit

Permit Action: 2023 Inspection ANM

Permit/Job#: M2009074

PROJECT IDENTIFICATION

Task #: 003

State: Colorado

Abbreviation: None

Date: 3/14/2023

County: Pueblo

Filename: 003

User: ANM

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: CAT 140M

Horsepower: 183

Ripper Attachment: Multi-Shank Ripper

Shift Basis: 1 per day

Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	\$75.87	NA
Operating Cost/Hour:	\$53.81	100
Ripper Ownership Cost/Hour:	\$2.84	NA
Ripper Operating Cost/Hour:	\$2.53	100
Operator Cost/Hour:	\$46.87	NA
Total Unit Cost/Hour:	\$181.92	
Total Fleet Cost/Hour:	\$181.92	

MATERIAL QUANTITIES

Total Area to be graded or ripped: 20.51 acres

Source of estimated acreage: Application

HOURLY PRODUCTION

Average Grader Speed:	<u>1.50</u>	mph
Selected Application:	<u>Finish grading (0-2.5 mph) - 1.5</u>	
Selected Blade Angle:	<u>30</u>	degrees
Effective Blade Length:	<u>10.40</u>	feet
Width of blade overlap per pass:	<u>2.00</u>	feet
Net grading or ripping width per pass:	<u>8.40</u>	feet
Unadjusted Hourly Unit Production:	<u>1.5273</u>	acres/hour

Job Condition Correction Factors

Site Altitude: 4630 feet

Altitude Adj:	<u>1.00</u>	Source (CAT HB)
Job Efficiency:	<u>0.85</u>	(1sh/d, mod.)
Net Correction:	<u>0.8500</u>	multiplier

Adjusted Hourly Unit Production: 1.2982 acres/Hour

Adjusted Hourly Fleet Production: **1.2982** acres/Hour

JOB TIME AND COST

Fleet size: 1 Grader(s)

Total job time: **15.80** Hours

Unit cost: \$140.13 per acre

Total job cost: **\$2,874**

BULLDOZER WORK

Task description: Spread Gravel on Remaining Mine Floor

Site: The Orr Pit

Permit Action: 2023 Inspection ANM

Permit/Job#: M2009074

PROJECT IDENTIFICATION

Task #: 004

State: Colorado

Abbreviation: None

Date: 3/14/2023

County: Pueblo

Filename: 004

User: ANM

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D8T - 8SU

Horsepower: 310

Blade Type: Semi-Universal

Attachment: 3-shank ripper

Shift Basis: 1 per day

Data Source: (CRG)

Cost Breakdown:

		<u>Utilization %</u>
Ownership Cost/Hour:	\$124.85	NA
Operating Cost/Hour:	\$97.63	100
Ripper own. Cost/Hour:	\$13.10	NA
Ripper op. Cost/Hour:	\$7.30	100
Operator Cost/Hour:	\$40.04	NA
Total unit Cost/Hour:	\$282.92	
Total Fleet Cost/Hour:	\$282.92	

MATERIAL QUANTITIES

Initial Volume: 2,726

Swell factor: 1.000

Loose volume: 2,726 LCY

Source of estimated volume: Application

Source of estimated swell
factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 100 feet

Unadjusted hourly
production: 852.6 LCY/hr

Materials consistency
description: Loose stockpile 1.2

Average push
gradient: 0 %

Average site altitude: 4,630 feet

Material weight: 2,550 lbs/LCY

Weight description: Gravel - Dry

Job Condition Correction Factor

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	1.200	(CAT HB)
Dozing 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: 0.5390

Adjusted unit
production: 459.55 LCY/hr

Adjusted fleet
production: **459.55** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.616/LCY

Total job time: **5.93** Hours

Total job cost: **\$1,678**

REVEGETATION WORK

Task description: Revegetate Mine Slopes

Site: The Orr Pit

Permit Action: 2023 Inspection ANM

Permit/Job#: M2009074

PROJECT IDENTIFICATION

Task #: 005

State: Colorado

Abbreviation: None

Date: 3/14/2023

County: Pueblo

Filename: 005

User: ANM

Agency or organization name: DRMS

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Ammonium nitrate, 33-0-0	121.20	pound	\$0.37	\$44.84
Triple superphosphate, 0-46-0	86.60	pound	\$0.47	\$40.70
			Total Fertilizer Materials Cost/Acre	\$85.55

Application

Description	Cost /Acre
Tractor towed spreader (MEANS 32 01 90.13 0120)	\$39.64
Total Fertilizer Application Cost/Acre	\$39.64

TILLING

Description	Cost /Acre
Chisel plowing {DMG}	\$98.43
Total Tilling Cost/Acre	\$98.43

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Rye, Perennial Tetraploid - Aubisque	1.00	5.67	\$1.80
Orchardgrass - Paiute	1.00	12.40	\$4.08
Crested Wheatgrass - Hy-Crest	1.00	4.59	\$3.98
Smooth Brome - Lincoln	2.00	6.66	\$6.65
Intermediate Wheatgrass - Oahe	2.00	4.27	\$5.60
Slender Wheatgrass - San Luis	1.00	3.65	\$4.25
Dahurian Wildrye	2.00	8.03	\$8.08
Totals Seed Mix	10.00	45.27	\$34.43

Application

Description	Cost /Acre
Drill Seeding (DRMS Survey Cost)	\$232.00
Total Seed Application Cost/Acre	\$232.00

MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	1.00	TON	\$421.36	\$421.36
Total Mulch Materials Cost/Acre				\$421.36

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$73.00
Total Mulch Application Cost/Acre	\$73.00

JOB TIME AND COST

No. of Acres:	2.83	Cost /Acre:	\$984.41
Estimated Failure Rate:	33%	Cost /Acre*:	\$984.41
*Selected Replanting Work Items:	FERTILIZING,TILLING,SEEDING,MULCHING		

Initial Job Cost:	\$2,785.88
Reseeding Job Cost:	\$919.34
Total Job Cost:	\$3,705
Job Hours:	5.00

EQUIPMENT MOBILIZATION/DEMobilIZATION

Task description: Mob/Demob of Reclamation Equipment

Site: The Orr Pit

Permit Action: 2023 Inspection ANM

Permit/Job#: M2009074

PROJECT IDENTIFICATION

Task #: 006

State: Colorado

Abbreviation: None

Date: 3/14/2023

County: Pueblo

Filename: 006

User: ANM

Agency or organization name: DRMS

EQUIPMENT TRANSPORT RIG COST

Shift basis: 1 per day

Cost Data Source: CRG Data

Truck Tractor Description: GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWERED, 400 HP (2ND HALF, 2006)

Truck Trailer Description: GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT TRAILER (25T, 50T, AND 100T)

Cost Breakdown:

Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons
Ownership Cost/Hour:	\$15.25	\$23.06	\$37.58
Operating Cost/Hour:	\$25.26	\$30.83	\$51.41
Operator Cost/Hour:	\$27.71	\$27.71	\$27.71
Helper Cost/Hour:	\$0.00	\$20.22	\$20.22
Total Unit Cost/Hour:	\$68.22	\$101.82	\$136.92

NON ROADABLE EQUIPMENT:

Machine Description	Weight/ Unit (TONS)	Owner ship Cost/hr/ unit	Haul Rig Cost/hr/unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Cat D8T - 8SU	53.08	\$137.95	\$136.92	1	\$274.87	\$136.92	\$250.00
CAT 140M	16.68	\$78.71	\$68.22	1	\$146.93	\$68.22	\$250.00

Subtotals: **\$421.80** **\$205.14** **\$500.00**

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Power Mulcher (Bowie LD-90)	\$37.56	1	\$37.56	\$37.56
Drill/Broadcast Seeder with Tractor	\$13.99	1	\$13.99	\$13.99
Light Duty Pickup, 4x4, 3/4 T.	\$87.03	1	\$87.03	\$87.03

Subtotals: **\$138.58** **\$138.58**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: PUEBLO, CO

Total one-way travel distance: 13.40 miles

Average Travel Speed: 50.00 mph

Total Non-Roadable Mob/Demob Cost *	\$2,842.20
** two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	\$74.28
** one round trip, no haul rig:	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.27	0.27
Return Time (Hours):	0.27	0.27
Loading Time (Hours):	0.30	NA
Unloading Time (Hours):	0.30	NA
Subtotals:	1.14	0.54

JOB TIME AND COST

Total job time: 2.27 Hours

Total job cost: \$2,916