

# 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:		MINE/PROSPECTING ID#:	MINERAL:	COUNTY:
Friederichs Pit 112		M-2010-080	Gravel and sand	Prowers
<b>INSPECTION TYPE:</b>		INSPECTOR(S):	INSP. DATE:	INSP. TIME:
Monitoring	Robert Zuber, P.E.		October 29, 2020	13:20
OPERATOR:		<b>OPERATOR REPRESENTATIVE:</b>	TYPE OF OPERA	FION:
Riverside Aggregates, LLC		Rudy Torres	112c - Construction	Regular Operation
<b>REASON FOR INSPECTION:</b>		BOND CALCULATION TYPE:	<b>BOND AMOUNT:</b>	
Normal I&E Program	Complete Bond		\$29,300.00	
DATE OF COMPLAINT:	POST INSP. CONTACTS:		JOINT INSP. AGE	NCY:
NA		None	None	
WEATHER:	INSPE	CTOR'S SIGNATURE:	SIGNATURE DAT	Е:
Clear	1223		November 3, 2020	
	Phi	A. D. ZL		

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:** Signs & Markers

**PROBLEM/POSSIBLE VIOLATION:** Problem - The identification sign at the mine entrance did not contain any mention of the Division of Reclamation, Mining and Safety. This is a problem for failure to post an adequate mine identification sign as required by Section 3.1.12(1) of the rule. The Operator shall, at the entrance of the mine site, post a sign, which shall be clearly visible from the access road, with a minimum size equaling 187 square inches (such as 11 inches in height and 17 inches in width), with the following: the name of the Operator, a statement that a reclamation permit for the operation has been issued by the Colorado Division of Reclamation, Mining and Safety; and the permit number.

**CORRECTIVE ACTIONS:** The operator shall post a sign to include all required information. The operator shall submit photo documentation that a proper sign has been posted by the corrective action date. **CORRECTIVE ACTION DUE DATE:** 1/06/21

## **OBSERVATIONS**

Rob Zuber of DRMS inspected the Friederichs Pit 112, approximately two miles southwest of Wiley, Colorado. Rudy Torres, representing Riverside Aggregates, also participated in the inspection.

The weather was clear and warm for late October. The ground was dry from limited recent moisture.

A pile of road base and a pile of trash need to be removed from the site.

### Backfilling and Grading:

The backfilling and grading of the site have been completed, and there is a general grade from northeast to southwest, with water directed toward the stormwater rock filter. This grading is in line with the reclamation plan.

There are some small areas that are not a continuous grade, including a low spot where cottonwood trees are growing and five berms along contours. Each berm is approximately 80 feet long and 18 inches high. Both the cottonwood patch and the berms are at the south side of the site, just up-gradient of the stormwater rock filter. This inconsistent grade does not appear to be problematic, because these areas do not look like they will pond more than a very small amount of water (less than 100 cubic feet). In fact, these area will likely help with revegetation efforts by encouraging the infiltration of water, limiting erosion, and encouraging species diversity.

### Financial Warranty:

The Division has updated the Reclamation Cost Estimate for the Friederichs Pit 112 and is including it with this inspection report as an enclosure. The new estimate is \$13,007. The financial warranty was found to be adequate to complete reclamation at the site.

### Hydrologic Balance:

No erosion or other hydrology problems were seen at the site. The stormwater rock filter appeared stable and appeared to be functioning, with no signs of flow going around this structure.

### Off-site Damage:

It did not appear that off-site damage is an issue. The site was walked with a GPS device, and the mine disturbance was found to be entirely within the disturbance boundary shown in the application for CN-01 (2015) and recent Annual Report maps. A bare area on the east side (north of the brush pile that is offsite) can be seen in Google Earth images, but it does not appear to be the result of mine disturbance. It is likely due to the general drought in Southeast Colorado.

#### **Revegetation:**

The site was seeded in 2018, per Mr. Torres. There are some patches where the grass seed has grown.

A large amount of the site has not seen good vegetation growth, with large bare spots and kochia dominating the vegetation that exists. Re-seeding will be necessary over much of the site. Initial seeding is needed at the area around the pile of road base, approximately 0.5 acre.

Mr. Torres indicated that he does not want to mow the kochia because it functions to protect the soil from wind and stormwater runoff. The Division does not have a problem with this approach, as long as other measures are taken to improve future vegetation growth, such as re-seeding (possibly hydroseeding or drill seeding with mulching and crimping) and possibly other erosion prevention practices are implemented (e.g., erosion mats).

### Signs and Markers:

The mine entrance sign was in place. It contained the mine name, operator name, operator phone numbers, and DRMS permit number. It did not say that the permit number is associated with the Division of Reclamation, Mining, and Safety. This information should be added to the sign.

Permit boundary markers (a fence) were found all around the site, and these were checked using GPS. The markers/fence appears to be accurate.

### Topsoil:

Two topsoil piles remain, and total approximately 600 cubic yards. These can be used to enhance reclamation around the site, where re-seeding will be done. Most of the site has been topsoiled, per Mr. Torres.

# **PHOTOGRAPHS**



Looking west from east side at large area of kochia plants



Minimal grass was seen near the northeast part of mine (topsoil stockpile on right)



Bare ground at north end of site



Stormwater rock filter



Good stand of grass near the cottonwood patch



Entrance sign lacking a reference to the Division

### **GENERAL INSPECTION TOPICS**

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

(AR) RECORDS <u>Y</u>	(FN) FINANCIAL WARRANTY Y	(RD) ROADS <u>NA</u>
(HB) HYDROLOGIC BALANCE <u>Y</u>	(BG) BACKFILL & GRADING <u>Y</u>	(EX) EXPLOSIVES <u>NA</u>
(PW) PROCESSING WASTE/TAILING <u>NA</u>	(SF) PROCESSING FACILITIES <u>NA</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 PB	(SP) STORM WATER MGT PLAN <u>N</u>	(RS) RECL PLAN/COMP <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE <u>NA</u>	(SC) EROSION/SEDIMENTATION Y	(ST) STIPULATIONS <u>N</u>
(AT) ACID OR TOXIC MATERIALS <u>NA</u>	(OD) OFF-SITE DAMAGE <u>Y</u>	

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

Inspection Contact Address Rudy Torres Riverside Aggregates, LLC 30687 CR 19 Lamar, CO 81052

Enclosure

# COST SUMMARY WORK

Г	Task description:	COST SUMMARY				
Site:	Friederichs Pit 112	Permit Action:	RDZ 2020		Permit/Job	#: M2010080
P	ROJECT IDENTIFIC	ATION				
	Task #: 000 Date: 11/2/2020 User: RDZ	State: Colorado County: Prowers			Abbreviation: _ Filename: _	None M080-000
	Agency or organ	ization name: DRMS				
T	ASK LIST (DIRECT	COSTS)				
		<u> </u>	Form	Fleet	Task	<u> </u>
Task	Description		Used	Size	Hours	Cost
002	Spread topsoil	. 1 1	DOZER	1	2.27	\$426
003 004	Revegetate 6 acres to Mobilization/Demob		REVEGE MOBILIZE	1	58.00 4.15	\$9,225
004	Modifization/Demod	Inzation	MOBILIZE	1	4.15	\$1,305
			<u>SUBT(</u>	DTALS:	64.42	\$10,956
	NDIRECT COSTS VERHEAD AND PROF Liability insura Performance bo Job superintend Pr	nce: 2.02 ond: 1.05 ent: 0.00 ofit: 10.00	RACT AMOUNI		L O & P =  \$1	15
LE	EGAL - ENGINEERING	- PROJECT MANAGEMENT	:			
	Engineering work an	occessing (legal/related costs): ad/or contract/bid preparation: gement and/or administration:	\$0 0.00 5.00	_	$Total = \begin{array}{c} \$0\\Total = \begin{array}{c} \$0\\ \$6\end{array}$	
		CONTINGENCY:	0.00		Total = \$0	
			TOTAL I	NDIRECT	$\Gamma \text{ COST} = $ $\$2$	,051
		TOTAL BO	ND AMOUNT (	direct + ir	ndirect) = <u>\$1</u>	3,007

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# BULLDOZER WORK

Friederichs Pit 112	Permit Action:	RDZ 2020	Permit/Jol	o#: <u>M2010080</u>
<b>PROJECT IDENTIFI</b>	CATION			
Task #: 002	State: Colorado		Abbreviation:	None
Date: 11/2/2020	County: Prowers		Filename:	M080-002
User: RDZ				
Agency or organ	nization name: DRMS			
OURLY EQUIPME	NT COST			
	t D7R DS XR Series II			
Horsepower: 24				
1 <u> </u>	mi-Universal			
Attachment: NA				
	er day			
	RG)			
Cost Breakdown:				
USI DICAKUOWII		Utilization %		
Ownership Cost/Hour:	\$74.64	NA		
Operating Cost/Hour:	\$71.55	100		
Ripper own.				
Cost/Hour:	\$0.00	NA		
Ripper op. Cost/Hour:	\$0.00	100		
Operator Cost/Hour:	\$41.30	NA		
Total Fleet Cost/Hour:	\$187.49 <b>\$187.49</b> <b>ITIES</b>			
Total unit Cost/Hour: Total Fleet Cost/Hour: <u>IATERIAL QUANT</u> Initial Volume: <u>600</u> Swell factor: 1.21	\$187.49 ITIES			
Total Fleet Cost/Hour: <u>IATERIAL QUANT</u> Initial Volume: <u>600</u> Swell factor: <u>1.21</u>	\$187.49 ITIES			
Total Fleet Cost/Hour: <u>IATERIAL QUANT</u> Initial Volume: <u>600</u> Swell factor: <u>1.21</u>	\$187.49 ITIES 5 LCY Ime: Operator estimate and I	DRMS check		
Total Fleet Cost/Hour:         Initial Volume:       600         Swell factor:       1.21         Loose volume:       729         Source of estimated volu       Source of estimated swell	\$187.49 ITIES 5 LCY Ime: Operator estimate and I Il Cat Handbook	 DRMS check		
Total Fleet Cost/Hour: <b>MATERIAL QUANT</b> Initial Volume:       600         Swell factor:       1.21         Loose volume:       729         Source of estimated volu       Swelf factor:         Source of estimated swe       factor:         HOURLY PRODUCT       100	\$187.49 ITIES 5 LCY Ime: Operator estimate and I Il Cat Handbook	 DRMS check		
Total Fleet Cost/Hour:         Initial Volume:       600         Swell factor:       1.21         Loose volume:       729         Source of estimated volu       Swelf factor:         Source of estimated swe       factor:	\$187.49 ITIES 5 LCY Ime: Operator estimate and I Il Cat Handbook ION	 DRMS check		
Total Fleet Cost/Hour: <b>IATERIAL QUANT</b> Initial Volume: 600 Swell factor: 1.21 Loose volume: 729 Source of estimated volu Source of estimated swe factor: HOURLY PRODUCT Average push distance: Unadjusted hourly	\$187.49         ITIES         5         LCY         ume:       Operator estimate and I         11       Cat Handbook         ION         300 feet         311.1 LCY/hr	 DRMS check 		
Total Fleet Cost/Hour: <b>IATERIAL QUANT</b> Initial Volume: 600 Swell factor: 1.21 Loose volume: 729 Source of estimated volu Source of estimated volu Source of estimated swe factor: HOURLY PRODUCT Average push distance: Unadjusted hourly production: Materials consistency de Average push	\$187.49         ITIES         5         LCY         ume:       Operator estimate and I         11       Cat Handbook         ION         300 feet         311.1 LCY/hr	 DRMS check		
Total Fleet Cost/Hour: <u>IATERIAL QUANT</u> Initial Volume: 600 Swell factor: 1.21 Loose volume: 729 Source of estimated volu Source of estimated volu Source of estimated swe factor: HOURLY PRODUCT Average push distance: Unadjusted hourly production: Materials consistency defined	\$187.49         ITIES         5         LCY         ume:       Operator estimate and I         II       Cat Handbook         'ION         300 feet         311.1 LCY/hr         esscription:       Loose stockpile 1.2	 DRMS check		
Total Fleet Cost/Hour: <b>IATERIAL QUANT</b> Initial Volume: 600 Swell factor: 1.21 Loose volume: 729 Source of estimated volu Source of estimated swe factor: HOURLY PRODUCT Average push distance: Unadjusted hourly production: Materials consistency de Average push gradient:	\$187.49         ITIES         5         LCY         ume:       Operator estimate and I         II       Cat Handbook         III       Gat Handbook         III       State         300 feet       311.1 LCY/hr         escription:       Loose stockpile 1.2         0 %       0	DRMS check		
Total Fleet Cost/Hour: <b>IATERIAL QUANT</b> Initial Volume: 600 Swell factor: 1.21 Loose volume: 729 Source of estimated volu Source of estimated volu Source of estimated swe factor: <b>HOURLY PRODUCT</b> Average push distance: Unadjusted hourly production: Materials consistency de Average push gradient: Average site altitude:	\$187.49         ITIES         5         LCY         ume:       Operator estimate and I         11       Cat Handbook         ION         300 feet         311.1 LCY/hr         escription:       Loose stockpile 1.2         0 %         3,785 feet	DRMS check		
Total Fleet Cost/Hour: <u>IATERIAL QUANT</u> Initial Volume: 600 Swell factor: 1.21 Loose volume: 729 Source of estimated volu Source of estimated volu Source of estimated swe factor: <u>IOURLY PRODUCT</u> Average push distance: Unadjusted hourly production: Materials consistency de Average push gradient: Average site altitude: Material weight:	\$187.49         ITIES         5         LCY         ume:       Operator estimate and I         11       Cat Handbook         ION         300 feet         311.1 LCY/hr         escription:       Loose stockpile 1.2         0 %         3,785 feet         1,600 lbs/LCY         Top Soil	DRMS check		

Material consistency:	1.200	(CAT HB)
Dozing method:	1.200	(SLOT)
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:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 1.0312

Adjusted unit production:	320.81 LCY/hr
Adjusted fleet production:	320.81 LCY/hr

### JOB TIME AND COST

Fleet size:	1 Dozer(s)
Unit cost:	\$0.584/LCY

Total job time:	<b>2.27</b> Hours
Total job cost:	\$426

# **REVEGETATION WORK**

otion:	Revegetate 6 acres to pastu	reland		
hs Pit 112	Permit Action:	RDZ 2020	Permit/Job	o#: <u>M2010080</u>
			Abbreviation	None
003 11/3/2020 ZTT	County: Prowers		Filename:	M080-003
	ths Pit 112 <u>IDENTIFIC</u> 003 11/3/2020	Permit Action       IDENTIFICATION       003     State:       003     County:       11/3/2020     Prowers	Permit Action:     RDZ 2020       IDENTIFICATION     RDZ 2020       003     State:       11/3/2020     County:	Permit Action:       RDZ 2020       Permit/Job         IDENTIFICATION       003       State:       Colorado       Abbreviation:         11/3/2020       County:       Prowers       Filename:

# **FERTILIZING**

#### Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
6-24-24, 10-20-10, 15-15-15	40.00	pound	\$0.27	\$10.60
			Total Fertilizer Materials Cost/Acre	\$10.60

### Application

Description	Cost /Acre
Truck whirlwind spreader (MEANS 32 01 90.13 0140)	\$15.25
Total Fertilizer Application Cost/Acre	\$15.25

# **TILLING**

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$107.16
Total Tilling Cost/Acre	\$107.16

### **SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Nespar	4.00	12.95	\$35.50
Blue Grama - Lovington	1.50	24.48	\$23.96
Little Bluestem - Cimarron	3.50	20.89	\$43.69
Sideoats Grama - Vaughn	4.50	14.77	\$37.69
Western Wheatgrass - Arriba	8.00	20.20	\$52.00
Totals Seed Mix	21.50	93.30	\$192.84

#### 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}	2.00	TON	\$301.00	\$602.00
Total Mulch Materials Cost/Acre				\$602.00

### Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$70.17
	<b>Total Mulch Application Cost/Acre</b>	\$70.17

### 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:	6	Cost /Acre:	\$1,230.02	
Estimate	ed Failure Rate:	25%	Cost /Acre*:	\$1,230.02	
*Selected Replanti	ng Work Items:	FERTILIZING,TIL	LING,SEEDING,MU		
		LCHING			
Initial Job Cost:	\$7,380.12				
Reseeding Job Cost:	\$1,845.03				
Total Job Cost:	\$9,225				
Job Hours:	58.00				

# EQUIPMENT MOBILIZATION/DEMOBILIZATION

	n: <u>Mo</u>	bilization/Demob	mzation				
: Friederichs I	Pit 112	Permit	Action: RDZ	2020		Permit/Job#:	M2010080
PROJECT IDI	ENTIFICATI	ON					
Task #: 00	)4	State: Co	olorado		Abbre	eviation: No	one
	1/2/2020 DZ	County: Pro	owers		F	ilename: M2	2010080-004
Agency	or organization	n name: DRMS					
EQUIPMENT	TRANSPOR	<u>T RIG COST</u>					
				(	Shift ba Cost Data Sou		
True	ck Tractor Desc	ription: GENE	RIC ON-HIGH		JCK TRACTO (2ND HALF,		SEL POWERED,
Tru	ck Trailer Desc	ription: G	ENERIC FOLI	DING GOO	SENECK, DE	ROP DECK EC	DUIPMENT
					(25T, 50T, AN		-
Cost Breakdown:							
Cost Breakdown:		0-25 Tons		TRAILER	(25T, 50T, A)		
Available Rig	Capacities	0-25 Tons \$17.20	<b>26-50 Tons</b> \$29.63	TRAILER			
Available Rig Ownersh			26-50 Tons	TRAILER 51+	(25T, 50T, A) - Tons		
Available Rig Ownersh Operatir	Capacities ip Cost/Hour:	\$17.20	<b>26-50 Tons</b> \$29.63	TRAILER 51+ \$3 \$5	(25T, 50T, AN - Tons 38.69		
Available Rig Ownersh Operatir Operate	Capacities ip Cost/Hour: ig Cost/Hour:	\$17.20 \$26.56	<b>26-50 Tons</b> \$29.63 \$47.02	TRAILER 51+ \$3 \$5 \$2	(25T, 50T, AN - Tons 38.69 55.69		
Available Rig Ownersh Operatir Operat Help	Capacities ip Cost/Hour: ng Cost/Hour: or Cost/Hour:	\$17.20 \$26.56 \$23.63	<b>26-50 Tons</b> \$29.63 \$47.02 \$23.63	TRAILER 51+ \$3 \$5 \$2 \$2 \$2	(25T, 50T, AN - Tons 38.69 55.69 23.63		
Available Rig Ownersh Operatir Operat Help	Capacities ip Cost/Hour: ng Cost/Hour: or Cost/Hour: er Cost/Hour:	\$17.20 \$26.56 \$23.63 \$0.00	<b>26-50 Tons</b> \$29.63 \$47.02 \$23.63 \$23.53	TRAILER 51+ \$3 \$5 \$2 \$2 \$2	(25T, 50T, A) - Tons 38.69 55.69 23.63 23.53		
Available Rig Ownersh Operatir Operat Help	Capacities ip Cost/Hour: ing Cost/Hour: or Cost/Hour: er Cost/Hour: it Cost/Hour:	\$17.20 \$26.56 \$23.63 \$0.00 \$67.39	<b>26-50 Tons</b> \$29.63 \$47.02 \$23.63 \$23.53	TRAILER 51+ \$3 \$5 \$2 \$2 \$2	(25T, 50T, A) - Tons 38.69 55.69 23.63 23.53		
Available Rig Ownersh Operatir Operate Help Total Ur	Capacities ip Cost/Hour: or Cost/Hour: er Cost/Hour: it Cost/Hour: BLE EQUIPN	\$17.20 \$26.56 \$23.63 \$0.00 \$67.39 MENT:	<b>26-50 Tons</b> \$29.63 \$47.02 \$23.63 \$23.53 \$123.81	TRAILER           51+           \$3           \$5           \$2           \$1           \$1	(25T, 50T, A) - Tons - Tons - 38.69 - 55.69 - 23.63 - 23.53 - 41.54	ND 100T)	DOT Permit
Available Rig Ownersh Operatir Operatir Help Total Ur NON ROADA	Capacities ip Cost/Hour: or Cost/Hour: er Cost/Hour: it Cost/Hour: bit Cost/Hour: BLE EQUIPN Weight/	\$17.20 \$26.56 \$23.63 \$0.00 \$67.39 MENT: Owner ship	<b>26-50 Tons</b> \$29.63 \$47.02 \$23.63 \$23.53	TRAILER           51+           \$3           \$5           \$2           \$1           \$1           \$1           Fleet	(25T, 50T, A) - Tons 38.69 55.69 23.63 23.53		DOT Permit
Available Rig Ownersh Operatir Operate Help Total Ur	Capacities ip Cost/Hour: or Cost/Hour: er Cost/Hour: it Cost/Hour: bit Cost/Hour: BLE EQUIPN Weight/ Unit	\$17.20 \$26.56 \$23.63 \$0.00 \$67.39 MENT:	<b>26-50 Tons</b> \$29.63 \$47.02 \$23.63 \$23.53 \$123.81 Haul Rig	TRAILER           51+           \$3           \$5           \$2           \$1           \$1	(25T, 50T, AN - Tons 38.69 55.69 23.63 23.53 41.54 Haul Trip Cost/hr/	ND 100T)	DOT Permit
Available Rig Ownersh Operatir Operatir Help Total Ur NON ROADA	Capacities ip Cost/Hour: or Cost/Hour: er Cost/Hour: it Cost/Hour: bit Cost/Hour: BLE EQUIPN Weight/	\$17.20 \$26.56 \$23.63 \$0.00 \$67.39 MENT: Owner ship	26-50 Tons \$29.63 \$47.02 \$23.63 \$23.53 \$123.81 Haul Rig Cost/hr/uni	TRAILER           51+           \$3           \$5           \$2           \$1           \$1           \$1           Fleet	(25T, 50T, A) - Tons - Tons - 88.69 - 55.69 - 23.63 - 23.53 - 41.54 Haul Trip	ND 100T)	DOT Permit

# **ROADABLE EQUIPMENT:**

Machine Description Drill/Broadcast Seeder with	Total Cost/hr/ unit \$15.63	Fleet Size	Haul Trip Cost/hr/ fleet \$15.63	Return Trip Cost/hr/ fleet \$15.63
Tractor		Subtotals:	\$15.63	\$15.63

# **EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region: Total one-way travel distance: Average Travel Speed:	LAMAR, CO 9.00 55.00	miles mph
Total Non-Roadable Mob/Demob Cost *	\$1,300.04	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$5.12	

Transportation Cycle Time:

	Non- Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.16	0.16
Return Time (Hours):	0.16	0.16
Loading Time (Hours):	1.00	NA
Unloading Time (Hours):	0.75	NA
Subtotals:	2.08	0.33

### JOB TIME AND COST

Total job time: 4.15 Hours

Total job cost: \$1,305