

COLORADO Division of Reclamation, Mining and Safety Department of Natural Resources

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:
Riverview Resource	M-1999-098	Sand and gravel	Weld
INSPECTION TYPE:	INSPECTOR(S):	INSP. DATE:	INSP. TIME:
Monitoring	Peter S. Hays	June 28, 2018	10:00
OPERATOR:	OPERATOR REPRESENTATIVE:	TYPE OF OPERAT	ΓION:
Aggregate Industries - WCR, Inc.	Connie Davis	112c - Construction	Regular Operation

REASON FOR INSPECTION:		BOND CALCULATION TYPE:	BOND AMOUNT:
Normal I&E Program		Complete Bond	\$155,480.00
DATE OF COMPLAINT:		POST INSP. CONTACTS:	JOINT INSP. AGENCY:
NA		None	None
WEATHER:	INSPE	CTOR'S SIGNATURE:	SIGNATURE DATE:
Clear	6	Any	July 5, 2018

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: Hydrologic Balance

PROBLEM: The Operator failed to repair damaged sections of the northern bank of Cell 3 resulting in increased flood water flows into the Vom Baur property. Therefore, the Division believes Aggregate Industries failed to maintain the prevailing hydrologic balance in the area as required by Rule 3.1.6 and Section 34-32.5-116(4)(h) of the Colorado Land Reclamation Act for the Extraction of Construction Materials.

CORRECTIVE ACTIONS: The Operator must repair the breaches in the northern bank of Cell 3 within 30 days, resurvey the section of Cell 3 to verify the topography is consistent with the approved Reclamation Plan, notify the Division of the breach repair completion and submit the new survey results to the Division. **CORRECTIVE ACTION DUE DATE:** 8/6/18

INSPECTION TOPIC: Financial Warranty

PROBLEM: The Division currently holds a financial warranty in the amount of \$155,480.00. The Division recalculated the required reclamation bond based on this inspection at \$270,000.00, an increase of \$114,520.00 pursuant to Rule 4.2.1(2).

CORRECTIVE ACTIONS: The Division will allow the Operator 14 days to review and comment on the estimate prior to issuing the financial warranty increase (SI) notice. The Operator will be required to provide the increased financial warranty amount within 60 days of the notice date pursuant to Rule 4.2.1(2). **CORRECTIVE ACTION DUE DATE:** 7/19/18

INSPECTION TOPIC: Signs & Markers

PROBLEM: The mine identification sign was not posted at the entrance of the mine site. This is a problem for failure to post a mine identification sign as required by Rule 3.1.12(1).

CORRECTIVE ACTIONS: The Operator shall, at the entrance of the mine site, post a sign which shall be clearly visible from the access road with the following: the name of the Operator, a statement that a reclamation permit for the operation has been issued by the Colorado Mined Land Reclamation Board; and the permit number. The Operator shall submit photo documentation that a proper sign has been posted by the corrective action date.

CORRECTIVE ACTION DUE DATE: 8/6/18

OBSERVATIONS

The Riverview Resource site was inspected by Peter Hays with the Division of Reclamation, Mining and Safety (Division/DRMS) as part of the Division monitoring inspection program. Mrs. Connie Davis with Aggregate Industries - WCR, Inc. was present during the inspection. The site was previously inspected by the Division on July 12, 2016 for a complaint (CT-02) investigation. An inspection map created based on the observations from this inspection is attached for reference.

The Riverview Resource 112c permit was issued by the Division on July 13, 2000. The site is permitted for 496 acres with 253 acres of mining disturbance. The site was amended in 2008 to add 156 acres to the site. The Operator submitted an acreage reduction request on May 22, 2018 to remove the 63 acre - Cell 4, Phase 1 from the permit. The acreage reduction request is currently under review by the Division.

Mine Plan:

The site was inactive during the inspection, however the Operator is preparing the site for operations within the next year. A new pad for a portable processing plant was constructed west of the remaining mining area in the northeast section of Cell 3. The northeast portion of Cell 3 was being dewatered during the inspection. The water was pumped into the southeast portion of Cell 3, which will be used as a fresh water source when mining activities resume at the site. A section of the regraded north slope in Cell 3 failed recently. The Operator believes the cause is irrigation water from the agricultural fields located north of O Street saturating the slope material. The failure area is being evaluated by the Operator to stabilize the area. An erosion gully was observed the southeast corner of the regraded Cell 3 slope. The gully needs to be repaired and measures should be taken to control stormwater discharge down the Cell 3 slope. Cell 4 located north of O street will be mined following the completion of Cell 3, before Cell 2 is mined, due to the proximity of Cell 4 to the processing area.

Reclamation Plan:

The approved post-mining land use for the site is wildlife habitat. Final reclamation of Cell 1 and the southern portion of Cell 3 are ongoing. The southern portion of Cell 3 is reclaimed to wetlands. Stockpiles of topsoil were located north of the concrete batch plant adjacent to O St. A weed control contractor was on-site during the inspection. A patch of Canada thistle was observed at the dewatering inlet channel into Cell 3. The thistle patch should be treated to prevent the spread of Canada thistle throughout the site. The Operator has been recycling the old processing plant and conveyors located between the concrete and asphalt batch plants. The concrete batch plant is operated occasionally according to the Operator. The Operator is in discussions with the City of Greeley to sell a section of undisturbed land located south of Cell 3 and north of the Poudre River as an historical preservation area.

Overdue Corrective Action:

There is one overdue problem at the site to complete the complaint investigation (CT-02) corrective actions. The Division cited the following problem after the July 12, 2016 inspection, the Operator must repair the breaches in the northern bank of Cell 3 within 60 days, resurvey the section of Cell 3 to verify the topography is consistent with the approved Reclamation Plan, notify the Division of the breach repair completion and submit the new survey results to the Division. On February 3, 2017 and June 30, 2017 the Operator requested extensions to the corrective action due date. The current overdue corrective action date is August 31, 2017. The Division will extend the corrective action date until August 6, 2018 to allow the Operator to submit the survey results for the repaired breach areas.

Groundwater:

The Operator has obtained a decreed plan for augmentation in water court case no. 1990CW23 to cover evaporation from up to 60 acres of exposed water surface area in one or more unlined ponds remaining at the site post mining. All current groundwater evaporation and usage by the Operator is replaced under an approved SWSP.

Financial Warranty:

The Division currently holds a financial warranty in the amount of \$155,480.00. The Division recalculated the required reclamation bond based on this inspection at \$270,000.00, an increase of \$114,520.00 pursuant to Rule 4.2.1(2). The Division updated the financial warranty calculation for AM-01. A copy of the financial warranty estimate is attached. The Division will allow the Operator 14 days to review and comment on the estimate prior to issuing the financial warranty increase (SI) notice. The Operator will be required to provide the increased financial warranty amount within 60 days of the notice date pursuant to Rule 4.2.1(2).

Sign:

As cited as a problem above, the mine identification sign was not posted at the entrance of the mine site. This is a problem for failure to post a mine identification sign as required by Rule 3.1.12(1). The Division will require the Operator to post a sign which shall be clearly visible from the access road with the following information: the name of the Operator, a statement that a reclamation permit for the operation has been issued by the Colorado Mined Land Reclamation Board; and the permit number. The Operator shall submit photo documentation that a proper sign has been posted by the corrective action date.

Spillway:

A spillway was observed in the southeast corner of Cell 3 during the previous inspection. The spillway is not part of the approved reclamation plan for the site and is not approved by the Division. On February 3, 2017, the Operator reported a contractor installed the spillway, riprap channel, to serve as a discharge point outfall, not an engineered spillway. The Operator stated the channel will be removed during final reclamation when pit dewatering ceases. Due to the recent and frequent flooding event at the site, the Division believes the site should be evaluated for installation of inlet/outlet structure by completing a flood water impact study for the site to prevent the site capturing the Poudre River post-reclamation and release of the permit.

PERMIT #: M-1999-098 INSPECTOR'S INITIALS: PSH INSPECTION DATE: June 28, 2018

PHOTOGRAPHS



Flood Repair area in SW section of Cell 3 looking NE



Flood Repair area in SW section of Cell 3 looking north



View of southern portion of Cell 3 from SE permit boundary looking NW



View of the silt pond berm in northern portion of Cell 3



Erosion gulling in SE slope in the northeast portion of Cell 3



View of northeast portion of Cell 3 from SE corner looking NW



View of northeast portion of Cell 3 from NE corner looking NW at slope failure



View of northeast portion of Cell 3 from east side looking west

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 PB	(RD) ROADS <u>N</u>
(HB) HYDROLOGIC BALANCE PB	(BG) BACKFILL & GRADING <u>N</u>	(EX) EXPLOSIVES <u>N</u>
(PW) PROCESSING WASTE/TAILING <u>N</u>	(SF) PROCESSING FACILITIES Y	(TS) TOPSOIL <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>N</u>	(FW) FISH & WILDLIFE <u>N</u>	(RV) REVEGETATION <u>N</u>
(SM) SIGNS AND MARKERS <u>PB</u>	(SP) STORM WATER MGT PLAN <u>N</u>	(RS) RECL PLAN/COMP <u>N</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>N</u>	(OD) OFF-SITE DAMAGE <u>N</u>	

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

Inspection Contact Address Connie Davis Aggregate Industries - WCR, Inc. 1687 Cole Blvd., Ste. 300 Lakewood, CO 80401

Enclosure – Inspection Map, Bond Estimate

Ec: Michael Cunningham, DRMS



COST SUMMARY WORK

Riverview Resource	Permit Action:	June 2018 Bond Estimate	Permit/Jo	b#: <u>M1999098</u>
PROJECT IDENTIFICAT	<u> []ON</u>			
Task #:001	State: Colorado		Abbreviation:	None
Date: 7/3/2018	County: Weld		Filename:	M098-001
User: PSH				

Task	Description	Form Used	Fleet Size	Task Hours	Cost
002	BackSloping	DOZER	1	174.78	\$35,245.00
003	Topsoil - 50 Acres, 6" Depth	SCRAPER1	1	99.99	\$109,310.00
004	Revegetation and Weed Control - 50 Acres	REVEGE	1	0.00	\$70,820.00
005	Conveyor Removal	DEMOLISH	1	0.00	\$1,250.04
006	Mob / Demob	MOBILIZE	1	3.14	\$10,760.00
		<u>SUBTO</u>	TALS:	277.91	\$227,385

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$4,593.18
Performance bond:	1.05	Total =	\$2,387.54
Job superintendent:	0.00	Total =	\$0.00
Profit:	10.00	Total =	\$22,738.50
		TOTAL O & P =	\$29,719.22
		CONTRACT AMOUNT (direct + $O \& P$) =	\$257,104.22

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): Engineering work and/or contract/bid preparation: Reclamation management and/or administration:	500.00 0.00 5.00	Total = Total =	500.00 \$0.00 \$12,855.21
CONTINGENCY:	0.00	Total =	\$0.00
	TOTAL I	NDIRECT COST =	\$43,074.43
TOTAL BO	ND AMOUNT (d	lirect + indirect) =	\$270,000.00 (Rounded)

BULLDOZER WORK

Task description:	BackSloping			
re: Riverview Resource	Permit Action:	June 2018 Bond Estimate	Permit/Jo	b#: <u>M1999098</u>
PROJECT IDENTIFI	CATION			
Task #: 002 Date: 7/3/2018 User: PSH	State: Colorado County: Weld		Abbreviation: Filename:	None M098-002
Agency or organ	ization name: DRMS			
HOURLY EQUIPMEN	NT COST			
Horsepower: 310 Blade Type: Sen Attachment: 3-sl	ni-Universal nank ripper er day	 NA NA		
MATERIAL QUANTI Initial Volume: 74,00 Swell factor: 1.000 Loose volume: 74,00 Source of estimated volu 5000000000000000000000000000000000000	TIES 00 0 00 LCY me: Permit File			
factor: <u>HOURLY PRODUCT</u> Average push distance: Unadjusted hourly production:	100 feet 852.6 LCY/hr			
•	scription: Loose stockpile 1.2			
Average push gradient: Average site altitude:	10 % 4,700 feet			
Material weight:	2,900 lbs/LCY			
Weight description:	Sand and gravel - Dry			
Job Condition Correction H	Factor	Source		

Task # 002

Operator Skill:	1.000	(EXCL.)
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:	0.786	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.793	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4966

Adjusted unit production:	423.40 LCY/hr
Adjusted fleet production:	423.4 LCY/hr

JOB TIME AND COST

Fleet size:	1 Dozer(s)
Unit cost:	\$0.476/LCY

Total job time:	174.78 Hours
Total job cost:	\$35,245

SCRAPER TEAM WORK

Site: Riverview Resou	rce	Permi	it Action:	June 2018 Bo Estimate		ermit/Job#: <u>M1</u>	999098
PROJECT IDENT	IFICATION						
Task #: 003			Colorado			viation: None	
Date: $\frac{7/3}{20}$	18 Cou	nty: <u> </u>	Weld		Fil	ename: M098-	003
User: <u>PSH</u>							
Agency or o	rganization name:	DRM	S				
HOURLY EQUIP	MENT_			COSTS	Shift basis: <u>1 per</u>	day	
			Equipmen	t Description			
		craper:	Cat 6270	Ĵ			
0		Dozer:	NA Cat D8T	0011			<u> </u>
Suppor	t Equipment -Load Dump-		Cat D81 CAT 14				<u> </u>
Road Mai	ntenance – Motor C		NA				<u> </u>
	-Water	Truck:	NA				
Cost Breakdown:	Scraper Worl	z Taam		Support Equ	nment	Maintenance	e Fauir
Cost Dreakdown.	Scraper	Doz	er	Load Area	Dump Area	Motor Grader	Wate
%Utilization-machine:	100		NA	100	100	NA	
Ownership cost/hour:	\$93.72		NA	\$83.81	\$54.68	NA	
Operating cost/hour:	\$115.38		NA	\$66.17	\$46.99	NA	
%Utilization-ripper:	NA		NA	50	NA	NA	
Ripper own. cost/hour:	NA		NA	\$7.55	\$0.00	NA	
Ripper op. cost/hour:	NA		NA	\$3.61	\$0.00	NA	
Operator cost/hour:	\$41.46		NA	\$40.52	\$38.16	NA	
Unit Subtotals:	\$250.56		NA	\$201.66	\$139.83	NA	
Number of Units:	3		0	1	1	0	
Group Subtotals:	Work:	\$751	.68	Support:	\$341.49	Maint:	\$0
Total work team cost/							
Initial volume: Loose volume:	80,000 80,000		CCY LCY	Swell fac	tor: <u>1.000</u>		
	ce of estimated vol		Permit Fil				
Source o	f estimated swell fa	actor:	Cat Hand	DUOK			
HOURLY PRODU	UCTION						
				Scraper E	Bowl (volume) Ba	<u>sis:</u>	
Material weight:	1,600 lbs/LCY				Volume: <u>15.70</u>		CY
Material description:	Top Soil				Volume: 22.00		CY
Rated Payload:	52,800 pounds			Average	Volume: 18.85	L	CY

<u>0.70</u> Minutes

0.60 Minutes

Cycle Time:

Scraper Loading Time: Maneuver and Spread Time:

Job Condition Correction:

Site Altitude: 4700 feet

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

Travel Time:

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered, maintained 3.0

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	2000.00	5.00	3.00	8.00	1381	1.49

Haul Time: **1.49** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	2000.00	-5.00	3.00	-2.00	2938	0.73

Return Time:	0.73	minutes
Total Scraper team cycle time:	3.52	minutes
Adjusted for job conditions:	266.68	LCY/Hour
Selected Number of Scrapers:	3	Scraper(s)
Adjusted single scraper team (unit) hourly production:	800.05	LCY/Hour
Adjusted multiple scraper team (fleet) hourly production:	800.05	LCY/Hour

Unadjusted unit production/hour: <u>321.31</u> LCY/Hour Optimal Number of Scrapers per push dozer:

JOB TIME AND COST

Fleet size:	1	Team(s)	Total job time:	99.99	Hours
Unit cost:	\$1.366	/LCY	Total job cost:	\$109,310	

REVEGETATION WORK

Task descrij ite: Rivervie	w Resource	Revegetation an Per	rmit Action:	June 2018 Bond Estimate	Permit/Jol	b#: M1999098
PROJECT	IDENTIFI	CATION				
Task #:	004	State:	Colorado		Abbreviation:	None
		State: County:	Colorado Weld		Abbreviation: Filename:	None M098-004

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
0-20-20, 4-8-12, 10-10-10	200.00	pound	\$0.21	\$42.00
			Total Fertilizer Materials	.
			Cost/Acre	\$42.00

Application

Description		Cost /Acre
Tractor towed spreader (MEANS 32 01 90.13 0120)		\$144.62
	Total Fertilizer Application Cost/Acre	\$144.62

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$106.29
Total Tilling Cost/Acre	\$106.29

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Blue Grama - Hachita	2.95	48.15	\$48.00
Indiangrass - Cheyenne	0.70	2.13	\$12.04
Big Bluestem - Native	0.70	2.09	\$7.18
Buffalograss - Cody	0.59	0.57	\$7.08
Switchgrass - Pathfinder	0.70	6.25	\$6.98
Sand Dropseed	0.23	27.46	\$2.49
Little Bluestem - Native	0.59	3.52	\$9.29
Sideoats Grama - Butte	2.36	7.75	\$22.82
Western Wheatgrass - Arriba	2.36	5.96	\$19.07
Needlegrass, Green - Lodorm	0.47	1.95	\$2.29

Spike Muhly	0.11	4.04	\$1.06
Totals Seed Mix	11.76	109.87	\$138.29

Application

Description	Cost /Acre
	\$
Total Seed Application Co	st/Acre \$0.00

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Hay, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$261.00	\$522.00
Total Mulch Materials Cost/Acre				\$522.00

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$66.02
Weed spray, truck, non-aquatic area, nox. [DMG]		\$71.50
Weed spray, truck, non-aquatic areas, ann. [DMG]		\$23.35
	Total Mulch Application Cost/Acre	\$160.87

NURSERY STOCK PLANTING

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

JOB TIME AND COST

	No. of Acres: ed Failure Rate: ng Work Items:	30%	Cost /Acre: Cost /Acre*: SEEDING,MULCHING	
Initial Job Cost:				
Reseeding Job Cost:	\$15,116.70			
Total Job Cost:	\$70,820			
Job Hours:	0.00			

DEMOLITION WORK

Task description	n: Conve	yor Removal				
Site: Riverview Re	source	Permit Action:	June 2018 Bond Estimate	P	ermit/Job#:	M1999098
PROJECT IDENTIF	ICATION					
Task #:005Date:7/3/2018User:PSHAgency		state: Colorado unty: Weld ne: DRMS		Abbreviati Filena		8-005
<u>UNIT COSTS</u>				Location	<u>n adjustmer</u>	nt: 94.70 %
Structure or Item Description	Dimensions	Demolition Me Selection	nu Quantity	Unit	Unit Cost	Total Cost
Conveyor	2000' Length	Conveyor, demolit off-site disposal in approved landfill, 3 mile haul		CF	\$0.66	\$1,320.00
		Subtotal			otal Cost	

		Subtotal		(adjusted for	
Job Hours:	0.00	(unadjusted):	\$1,320.00	location):	\$1,250.04

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task descriptio	n: <u>Mo</u>	ob / Demob					
te: Riverview R	lesource	Permit	Action: June Estin	2018 Bond nate		Permit/Job#: <u>M</u>	1999098
PROJECT ID	ENTIFICAT	ION					
Date: 7	06 /3/2018 SH		olorado eld			eviation: <u>None</u> lename: <u>M098</u>	3-006
Agenc	y or organizatio	n name: DRMS					
EQUIPMENT	TRANSPOR	T RIG COST					
Tru	ck Tractor Desc	cription: GENE	RIC ON-HIGH	IWAY TRU		rce: CRG Da	ta
Trı Cost Breakdown	ack Trailer Desc	cription: G		DING GOO	(2ND HALF, SENECK, DF (25T, 50T, AN	ROP DECK EQU	IPMENT
Available Rig		0-25 Tons	26-50 Tons	51+	- Tons		
	ip Cost/Hour:	\$16.63	\$18.37		22.33		
	ng Cost/Hour:	\$44.38	\$46.13		50.07		
	or Cost/Hour:	\$27.66	\$27.66		27.66		
	er Cost/Hour:	\$0.00	\$25.39		25.39		
	nit Cost/Hour:	\$88.67	\$117.55		25.45		
NON ROADA	BLE EQUIP	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
Description	(TONS)	cost in/ unit	t	Sille	fleet		
Cat D8T - 8SU	53.08	\$91.36	\$125.45	2	\$433.62	\$250.90	\$500.00
Cat 627G	41.80	\$93.72	\$117.55	6	\$1,267.62	\$705.30	\$1,500.00
CAT 14M	23.57	\$54.68	\$88.67	2	\$286.70	\$177.34	\$500.00

Subtotals: \$1,987.94 \$1,133.54 \$2,500.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
		Subtotals:	\$0.00	\$0.00

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: Total one-way travel distance: Average Travel Speed:	GREELEY, CO 10.00 35.00	miles mph
Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig:	\$10,759.58	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$0.00	

Transportation Cycle Time:

	Non- Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.29	0.29
Return Time (Hours):	0.29	0.29
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.57	0.57
Subtotuis:	1.57	0.57

JOB TIME AND COST

Total job time: 3.14 Hours

Total job cost: \$10,760