

Simmons - DNR, Leigh <leigh.simmons@state.co.us>

# M2013023, Sharp Pit #2, 2024 Inspection Report

Simmons - DNR, Leigh <leigh.simmons@state.co.us> To: riversideaggregatesllc@gmail.com

Thu, Aug 1, 2024 at 12:24 PM

Mr Kerrigan,

Please find attached the report of the Division's inspection of the Sharp Pit #2, conducted earlier this year. Note that a problem has been cited, which will require your attention.

I apologise for the delay in sending the report to you.

Please let me know if you have any questions,

Leigh Simmons **Environmental Protection Specialist** 



Division of Reclamation, Mining and Safety Department of Natural Resources

P 720.220.1180 1313 Sherman Street, Room 215, Denver, CO 80203 leigh.simmons@state.co.us | https://drms.colorado.gov

M2013023 2024 Inspection Report with RCE.pdf 7~ 2898K



## 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:	
Sharp Pit #2		M-2013-023	Gravel and sand	Bent	
<b>INSPECTION TYPE:</b>		WEATHER: Clear	INSP. DATE:	INSP. TIME:	
Monitoring			April 16, 2024	16:00	
OPERATOR:		<b>OPERATOR REPRESENTATIVE:</b>	TYPE OF OPERA	TION:	
Riverside Aggregates, LLC		Mark Kerrigan	110c - Construction Limited Impact		
<b>REASON FOR INSPECTION:</b>		BOND CALCULATION TYPE:	<b>BOND AMOUNT:</b>		
Normal I&E Program		Complete Bond	\$24,800.00		
DATE OF COMPLAINT:		POST INSP. CONTACTS:	JOINT INSP. AGENCY:		
NA		None	None		
INSPECTOR(S):	INSPE	CTOR'S SIGNATURE:	SIGNATURE DAT	'E:	
Leigh Simmons			August 1, 2024		

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.

Phin

## **INSPECTION TOPIC:** Financial Warranty

**PROBLEM/POSSIBLE VIOLATION:** Problem: The financial warranty is not adequate to reclaim the site in accordance with the approved reclamation plan. This is a failure to maintain the proper financial warranty amount to complete reclamation of the affected lands pursuant to C.R.S. 34-32.5-117(4)(b) of the Act. **CORRECTIVE ACTIONS:** Please review the attached Reclamation Cost Estimate and respond with comments within 30 days. After 30 days the Division will initiate a separate Surety Increase notice to increase the financial warranty. The operator will have 60 days from the date on the Surety Increase notice to post the additional financial warranty.

**CORRECTIVE ACTION DUE DATE:** 8/30/24

## **OBSERVATIONS**

This inspection was conducted as part of the normal monitoring program established by the Colorado Division of Reclamation, Mining and Safety (Division). The inspection was conducted by Leigh Simmons of the Division, and accompanied by Mark Kerrigan of Riverside Aggregates, LLC.

The Sharp Pit #2 is a 110(c) operation with a total permit area of 9.9 acres, located on private land approximately four miles south-east of the city of McClave. The pit is accessed from County Rd LL, east of the intersection with County Road 33.

The locations of photos taken during the inspection are shown on the screenshot of the field map.

### Financial Warranty:

The Division currently holds a reclamation bond of \$24,800 for the site. As is customary, the Reclamation Cost Estimate (RCE) for the site was re-evaluated with current unit costs as of 7/31/2024. The new RCE is attached to this inspection report - note that the tasks were not changed except to update obsolete equipment as necessary. The total required bond amount, including indirect costs, has increased to \$38,495 meaning that the current financial warranty is insufficient; a problem has been cited above. (If some progress has been made toward reclaiming the site, it may not be necessary to increase the bond held.)

## Gen. Compliance With Mine Plan:

Some stockpiled material was on site, but had apparently already been sold. A loader and a screen with a single conveyor section was on site (there was no crusher). To mine material an excavator is brought to the site to break up material before the loader feeds it to the screen. Mr Kerrigan estimated that material would continue to be extracted for a couple of months before the eastern limit of the pit would be reached. He expected reclamation to begin in the summer and seeding to take place in the autumn.

### **Revegetation:**

The site was fairly well vegetated, despite not having been seeded. The site was surrounded by irrigated cropland, and was completely fenced, preventing any livestock grazing (in stark contrast to most of the other sites in the county).

### Signs and Markers:

The Mine ID sign was in place. The permit boundary was marked with steel well casing at the corners and a barbed wire fence.

### Topsoil:

Topsoil had been stockpiled and was adequately vegetated.

## **PHOTOGRAPHS**



Figure 1: Screenshot of inspection map, with approximate permit boundary in purple and inspection features in green



Figure 2: Eastern boundary of permit area (225)



Figure 3: Northern boundary of permit area, screen and conveyor (225)



Figure 4: Pit area, with seedbed material in center of frame (227)



Figure 5: Stockpiled material in pit (227)



Figure 7: Southern edge of permit area (229)



Figure 8: Eastern edge of permit area, with stockpiled rock

### **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 PB	(RD) ROADS <u>N</u>
(HB) HYDROLOGIC BALANCE <u>N</u>	(BG) BACKFILL & GRADING <u>N</u>	(EX) EXPLOSIVES <u>N</u>
(PW) PROCESSING WASTE/TAILING <u>N</u>	(SF) PROCESSING FACILITIES <u>N</u>	(TS) TOPSOIL <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE <u>N</u>	(RV) REVEGETATION <u>Y</u>
(SM) SIGNS AND MARKERS <u>Y</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 / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

**Inspection Contact Address** 

Mark Kerrigan Riverside Aggregates, LLC 1750 County Road HH Lamar, CO 81052

Enclosure: 2024 Inspection Reclamation Cost Estimate

# COST SUMMARY WORK

Т	ask description: <b>RC</b>	CE update with 2024 costs				
Site:	Sharp Pit #2	Permit Action:	2024 Inspection	n	Permit/Job#	#: <u>M2013023</u>
PI	ROJECT IDENTIFICAT	ION				
	Task #: 000	State: Colorado		1	Abbreviation:	None
	Date: 8/1/2024	County: Bent			Filename:	M023-000
	User: LDS	_				
	Agency or organizatio	on name: DRMS				
<u>T</u> A	ASK LIST (DIRECT COS	<u>STS)</u>				
ſask			Form	Fleet	Task	
	Description		Used	Size	Hours	Cost
01	Grade highwall to 3H:1V		DOZER	1	1.25	\$260
02	Replace 6" topsoil on 7 ac	res	SCRAPER1	1	9.88	\$11,578
03	Revegetate 7 acres	•	REVEGE	1	7.00	\$11,132
)4	Mobilization/Demobilizat	ion	MOBILIZE	1	5.00	\$7,044
					22 12	¢20 01 /
			<u>SUBT(</u>	DTALS:	23.13	\$30,014
	DIRECT COSTS /ERHEAD AND PROFIT:		SUBTO	<u>DTALS:</u>	25.15	\$30,014
		2.02	SUBTO	<u>DTALS:</u>	Total = \$60	
_	ERHEAD AND PROFIT: Liability insurance: Performance bond:	1.05	SUBTO	<u>DTALS:</u>	$Total = \frac{\$60}{Total} = \frac{\$3}{\$3}$	06 15
_	ERHEAD AND PROFIT: Liability insurance: Performance bond: Job superintendent:	1.05 11.57	SUBTO	<u>DTALS:</u>	$Total = \frac{\$60}{Total} = \frac{\$3}{Total} = \frac{\$9}{\$9}$	06 15 17
	ERHEAD AND PROFIT: Liability insurance: Performance bond:	1.05	SUBTO		Total = $Total = $ $S3$ $Total = $ $S9$ $Total = $ $S3$	06 15 17 001
_	ERHEAD AND PROFIT: Liability insurance: Performance bond: Job superintendent:	1.05 11.57 10.00		TOTAI	$Total = \frac{\$66}{Total} = \frac{\$33}{Total} = \frac{\$9}{Total} = \frac{\$33}{Total} = \frac{\$33}{5}$	06 15 17 001 840
	ERHEAD AND PROFIT: Liability insurance: Performance bond: Job superintendent:	1.05 11.57 10.00	<u>SUBTC</u> RACT AMOUNT	TOTAI	$Total = \frac{\$66}{Total} = \frac{\$33}{Total} = \frac{\$9}{Total} = \frac{\$33}{Total} = \frac{\$33}{5}$	06 15 17 001
07	ERHEAD AND PROFIT: Liability insurance: Performance bond: Job superintendent:	1.05 11.57 10.00 CONT	RACT AMOUNT	TOTAI	$Total = \frac{\$66}{Total} = \frac{\$33}{Total} = \frac{\$9}{Total} = \frac{\$33}{Total} = \frac{\$33}{5}$	06 15 17 001 840
07	VERHEAD AND PROFIT: Liability insurance: Performance bond: Job superintendent: Profit: GAL - ENGINEERING - PR Financial warranty process	1.05 11.57 10.00 CONT COJECT MANAGEMENT sing (legal/related costs):	RACT AMOUNT	TOTAI	Total = \$60 Total = \$3 Total = \$9 Total = \$3 C 0 & P = \$4 O & P) = \$32 Total = \$0	06 15 17 001 840 4,854
01	VERHEAD AND PROFIT: Liability insurance: Performance bond: Job superintendent: Profit: GAL - ENGINEERING - PR Financial warranty process Engineering work and/or	1.05 11.57 10.00 CONT OJECT MANAGEMENT sing (legal/related costs): contract/bid preparation:	RACT AMOUNT	TOTAI	Total = \$60 Total = \$3 Total = \$9 Total = \$3 C 0 & P = \$4 O & P) = \$32 Total = \$0	06 15 17 001 840
01	VERHEAD AND PROFIT: Liability insurance: Performance bond: Job superintendent: Profit: GAL - ENGINEERING - PR Financial warranty process Engineering work and/or	1.05 11.57 10.00 CONT COJECT MANAGEMENT sing (legal/related costs):	RACT AMOUNT : \$0	TOTAI	Total = \$60 Total = \$3 Total = \$9 Total = \$3 O & P = \$4 O & P) = \$34 Total = \$0 Total = \$1	06 15 17 001 840 4,854
07	VERHEAD AND PROFIT: Liability insurance: Performance bond: Job superintendent: Profit: GAL - ENGINEERING - PR Financial warranty process Engineering work and/or	1.05 11.57 10.00 CONT OJECT MANAGEMENT sing (legal/related costs): contract/bid preparation:	RACT AMOUNT : \$0 4.25	TOTAI	Total = \$60 Total = \$3 Total = \$9 Total = \$3 O & P = \$4 O & P) = \$34 Total = \$0 Total = \$1	06 15 17 001 840 4,854
07	VERHEAD AND PROFIT: Liability insurance: Performance bond: Job superintendent: Profit: GAL - ENGINEERING - PR Financial warranty process Engineering work and/or	1.05 11.57 10.00 CONT COJECT MANAGEMENT sing (legal/related costs): contract/bid preparation: nt and/or administration:	RACT AMOUNT : \$0 4.25 6.20 0.00	TOTAI ' (direct +	$Total = \frac{\$60}{Total} = \frac{\$33}{Total} = \frac{\$99}{Total} = \frac{\$33}{534}$ $C 0 \& P = \frac{\$44}{O \& P)} = \frac{\$44}{534}$ $Total = \frac{\$0}{Total} = \frac{\$0}{\$14}$	06 15 17 001 840 4,854 

## BULLDOZER WORK

	0100	e highwall to 3H				
Sharp Pit #2		Permit A	ction:	2024 Inspection	Permit/Job#:	M2013023
PROJECT IDEN	TIFICATIO	<u>DN</u>				
Task #:     001       Date:     8/1/202       User:     LDS	24	State: <u>Co</u> County: <u>Be</u>	lorado nt		Abbreviation: Filename:	None 023-001
Agency or	organization 1	name: DRMS				
HOURLY EQUI	PMENT CO	<u>ost</u>				
Basic Machine:		Series II LGP				
Horsepower:	240					
Blade Type:	Straight NA					
Shift Basis:	1 per day					
Data Source:	(CRG)					
Cost Breakdown:						
		*	00.04	<u>Utilization %</u>		
Ownership Cost/Ho			90.24	NA 100		
Operating Cost/Ho Ripper own. Cost/Ho			78.95 \$0.00	100 NA		
Ripper op. Cost/Ho			\$0.00	0		
Operator Cost/Ho			38.59	NA		
Total Fleet Cost/Hou	ır: <b>\$207.7</b>	8				
MATERIAL QUA	ANTITIES					
	ANTITIES 694					
Initial Volume: Swell factor:	694 1.250					
Initial Volume: Swell factor:	694					
Initial Volume: Swell factor:	694 1.250 <b>868</b> LCY volume:	10' H x 750' L Cat Handbook	,	V to 3H:1V slope		
Initial Volume:	694 1.250 <b>868</b> LCY volume: swell factor:		,	/ to 3H:1V slope		
Initial Volume:	694 1.250 <b>868</b> LCY volume: swell factor: <b>UCTION</b>	Cat Handbook	,	V to 3H:1V slope		
Initial Volume:	694 1.250 <b>868</b> LCY volume: swell factor: <u>UCTION</u> ce:	Cat Handbook	,	/ to 3H:1V slope		
Initial Volume:	694 1.250 <b>868</b> LCY volume: swell factor: UCTION ce: roduction:	Cat Handbook 50 feet 800.0 LCY/hr				
Initial Volume:	694 1.250 <b>868</b> LCY volume: swell factor: UCTION ce: roduction:	Cat Handbook 50 feet 800.0 LCY/hr		V to 3H:1V slope		
Initial Volume:	694 1.250 868 LCY volume: swell factor: UCTION ce: roduction: y description: nt:5 %	Cat Handbook 50 feet 800.0 LCY/hr Compacted				
Initial Volume:	694         1.250         868 LCY         volume:         swell factor:         UCTION         ce:         roduction:         y description:         nt:       -5 %         :       3,800	Cat Handbook 50 feet 800.0 LCY/hr Compacted				
Initial Volume:	694         1.250         868 LCY         volume:         swell factor:         UCTION         ce:         roduction:         y description:         nt:       -5 %         :       3,800 ±         2,650 ±	Cat Handbook 50 feet 800.0 LCY/hr Compacted	fill or er	mbankment 0.9		
Initial Volume:	694         1.250         868 LCY         volume:         swell factor:         UCTION         ce:         roduction:         y description:         nt:       -5 %         3,800         2,650         Decon	Cat Handbook 50 feet 800.0 LCY/hr Compacted feet lbs/LCY	fill or er	mbankment 0.9		
Initial Volume:	694         1.250         868 LCY         volume:         swell factor:         UCTION         ce:         roduction:         y description:         nt:       -5 %         2,650         Decon         ction Factor         ator Skill:	Cat Handbook 50 feet 800.0 LCY/hr Compacted feet lbs/LCY 1posed rock - 259 1.000	fill or er			
Initial Volume:	694         1.250         868 LCY         volume:         swell factor:         UCTION         ce:         roduction:         y description:         nt:       -5 %         2,650         Decon         ction Factor         ator Skill:         nsistency:	Cat Handbook 50 feet 800.0 LCY/hr Compacted feet lbs/LCY 1posed rock - 259 1.000 0.900	fill or er			
Initial Volume:	694         1.250         868 LCY         volume:         swell factor:         UCTION         ce:         roduction:         y description:         nt:       -5 %         2,650         Decon         ction Factor         ator Skill:	Cat Handbook 50 feet 800.0 LCY/hr Compacted feet lbs/LCY 1posed rock - 259 1.000	fill or er			

Task # 001

Job efficient	ey:	0.830	(1 SHIFT/DAY)
Spoil pi	le:	1.000	(DOZ-OC)
Push gradie	nt:	1.115	(CAT HB)
Altitud	le:	1.000	(CAT HB)
Material Weig	nt:	0.868	(CAT HB)
Blade typ	be:	1.000	(PAT)
Net correction	on: 0.8676		
Adjusted unit production:	694.08 LCY	/hr	
Adjusted fleet production:	694.08 LCY	/hr	

## JOB TIME AND COST

Fleet size:	1 Dozer(s)
Unit cost:	\$0.299/LCY

Total job time:	<b>1.25</b> Hours
Total job cost:	\$260

Page 1 of 2

## SCRAPER TEAM WORK

Site: Sharp Pit #2		Permit Action:	2024 Inspection	Permit	/Job#: <u>M2013</u>	3023
PROJECT IDEN	<b>FIFICATION</b>					
Task #: 002	Sta	ate: Colorado		Abbreviat	tion: None	
Date: 8/1/202				Filena	ame: 023-00	2
User: LDS						
Agency or o	organization name:	DRMS				
HOURLY EQUIP	<u>'MENT</u>		COSTSI	nift basis: <u>1 per day</u>		
			ent Description			
		raper: Cat 631	G			
Suppo	-L ort Equipment -Load	Dozer: NA	R DS Series II LG	P		
Suppo	-Dump		K DS Selles II EO	01		
Road Ma	intenance – Motor G	rader: CAT 14				
	-Water T	Truck: Water	Tanker, 2,500 Gal.			
Cost Breakdown:	Scraper Work	Team	Support Equip	ment	Maintenance	Equipment
Cost Dreakuown.	Scraper	Dozer	Load Area		Motor Grader	Water Tr
%Utilization-machine:	100	NA	50	NA	100	
Ownership cost/hour:	\$442.19	NA	\$90.24	NA	\$129.81	\$1
Operating cost/hour:	\$252.89	NA	\$39.48	NA	\$89.13	\$1
%Utilization-ripper:	NA	NA	NA	NA	50	ψı
Ripper own. cost/hour:	NA	NA	\$0.00	NA	\$5.75	\$
Ripper op. cost/hour:	NA	NA	\$0.00	NA	\$2.09	\$(
Operator cost/hour:	\$30.90	NA	\$38.59	NA	\$27.76	\$(
Unit Subtotals:	\$725.98	NA	\$168.30	NA	\$254.54	\$2
Number of Units:	1	0	1	0	1	
Group Subtotals:	Work:	\$725.98	Support:	\$168.30	Maint:	\$277.42
Total work team cost						
MATERIAL QUA	<u>ANTITIES</u>					
Initial volume: Loose volume:	<u>5,647</u> <b>6,861</b>	CCY LCY	Swell fact	or: <u>1.215</u>	_	
	rce of estimated volu	ume: 7 acres d	isturbed x 6" dept	h replacement		
Sou						
	of estimated swell fac	ctor: Cat Hand	lbook			
	of estimated swell fac	ctor: <u>Cat Hand</u>	lbook			
Source	of estimated swell fac	ctor: <u>Cat Hand</u>		owl (volume) Basis:		
Source	of estimated swell fac	ctor: <u>Cat Hand</u>	Scraper Bo	owl (volume) Basis: Volume: 24.00	L	CY
Source of HOURLY PROD	of estimated swell fac	ctor: <u>Cat Hand</u>	Scraper Bo	Volume:         24.00           Volume:         34.00	L	CY CY CY

0.80 Minutes

0.70 Minutes

#### Cycle Time:

Scraper Loading Time: Maneuver and Spread Time:

Job Condition Correction:

Site Altitude: 3800 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	300.00	2.50	3.00	5.50	1069	0.32

Haul Time: **0.32** minutes

#### **Return Route:**

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	300.00	-2.50	3.00	0.50	2937	0.26
				Return Time:	0.26	minutes
			Total Scrape	r team cycle time:	2.08	minutes
			Adjusted	for job conditions:	694.33	LCY/Hour
			Selected Nu	imber of Scrapers:	1	Scraper(s)
	Adjusted	d single scrap	er team (unit) l	nourly production:	694.33	LCY/Hour
	Adjusted m	ultiple scrape	er team (fleet) l	nourly production:	694.33	LCY/Hour
<b>O</b>	Unadjusted unit pro-			LCY/Hour		

#### AND COST

Fleet size:	1	Team(s)	Total job time:	9.88	Hours
Unit cost:	\$1.688	/LCY	Total job cost:	\$11,578	

## **REVEGETATION WORK**

Task description:		<b>Revegetate 7 acres</b>	_		
ite: Sharp Pit #2		Permit Ac	tion: 2024 Inspection	Permit/Job#:	M2013023
PROJECT	IDENTIFI	CATION			
Task #:	003	State: Color	ado	Abbreviation: 1	None
Date:	8/1/2024	County: Bent		Filename: (	)23-003
User:	LDS				

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

## **SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Blue Grama - Lovington	0.30	4.90	\$8.33
Indian Ricegrass - Paloma	0.40	1.29	\$8.21
Little Bluestem - Native	0.70	4.18	\$10.77
Sideoats Grama - Vaughn	1.10	3.61	\$27.05
Western Wheatgrass - Native	2.00	5.05	\$18.01
Totals Seed Mix	4.50	19.03	\$72.37

**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
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$492.78	\$985.56
Total Mulch Materials Cost/Acre				\$985.56

## Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$85.37
	Total Mulch Application Cost/Acre	\$85.37

## NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
	\$0.00				

## JOB TIME AND COST

	No. of Acres: ed Failure Rate:	30%	Cost /Acre: Cost /Acre*:	\$1,497.55 \$309.01
*Selected Replanti	ng Work Items:	SEEDING		
Initial Job Cost:			_	
Reseeding Job Cost:			_	
Total Job Cost:	\$11,132		_	
Job Hours:	7.00			

## EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description:	Мо	bilization/Demob	ilization				
Sharp Pit #2		Permit	Action: _2024	Inspection	I	Permit/Job#: <u>M</u>	2013023
PROJECT IDE	NTIFICATI	<u>ON</u>					
Task #: 004	4	State: Co	olorado		Abbre	viation: None	
Date: 8/1 User: LD	/2024 S	County: Be	ent		Fi	lename: 023-0	04
Agency	or organizatio	n name: DRMS					
EQUIPMENT 1	<b>FRANSPOR</b>	<u>T RIG COST</u>					
					Shift ba	sis: 1 per da	v
				C	Cost Data Sour		
Truc	k Tractor Desc k Trailer Desc	·	ENERIC FOLI	400 HP DING GOO	(2ND HALF,	OP DECK EQUI	
Cost Breakdown: Available Rig C	anacities	0-25 Tons	26-50 Tons	51+	Tons		
	o Cost/Hour:	\$10.44	\$22.18		3.94		
	g Cost/Hour:	\$26.48	\$54.55		5.65		
	r Cost/Hour:	\$22.52	\$22.52		2.52		
	r Cost/Hour:	\$0.00	\$23.53		3.53		
	t Cost/Hour:	\$59.44	\$122.78		25.64		
NON ROADAB	ELE EQUIPN	<u>MENT:</u>					
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	¢100 50	<b>*25</b> 0.00
Cat D7R DS Series II LGP	34.57	\$90.24	\$122.78	1	\$213.02	\$122.78	\$250.00
Cat 631G	52.50	\$442.19	\$125.64	1	\$567.83	\$125.64	\$250.00
CAT 14M	23.57	\$135.56	\$59.44	1	\$195.00	\$59.44	\$250.00
Drill/Broadcast Seeder with Tractor	25.00	\$41.02	\$59.44	1	\$100.46	\$59.44	\$250.00
		· ·		Subtotals:	\$1,076.31	\$367.30	\$1.000.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Water Tanker, 2,500 Gal.	\$34.10	1	\$34.10	\$34.10
		Subtotals:	\$34.10	\$34.10

## **EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region:	LAMAR	
Total one-way travel distance:	12.50	miles
Average Travel Speed:	50.00	mph
Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig:	\$7,027.05	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$17.05	

Transportation Cycle Time:

	Non- Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.25	0.25
Return Time (Hours):	0.25	0.25
Loading Time (Hours):	1.00	NA
Unloading Time (Hours):	1.00	NA
Subtotals:	2.50	0.50

## JOB TIME AND COST

Total job time: **5.00** Hours

Total job cost: **\$7,044**