




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: Line Camp Pit	MINE/PROSPECTING ID#: M-2001-001	MINERAL: Sand and gravel	COUNTY: Montezuma
INSPECTION TYPE: Monitoring	WEATHER: Clear	INSP. DATE: May 28, 2024	INSP. TIME: 14:00
OPERATOR: Smith's Materials, LLC	OPERATOR REPRESENTATIVE: Randy Smith	TYPE OF OPERATION: 112c - Construction Regular Operation	

REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$53,810.67
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None
INSPECTOR(S): Todd Jesse	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: June 28, 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.

INSPECTION TOPIC: Off-site Damage

PROBLEM/POSSIBLE VIOLATION: Possible Violation: Land has been affected outside of the approved permit boundary. This is considered a possible violation pursuant to C.R.S. 34-32.5-116(4)(i) for failure to protect areas outside of the affected land from slides or damages occurring during the mining operation.

CORRECTIVE ACTIONS: This possible violation will be required to be heard before the Mined Land Reclamation Board (MLRB). It is likely that the submittal of an amendment to incorporate the affected land outside of the permit area will be required. The schedule and other details for the MLRB hearing will be provided under a separate document to be sent via certified mail to the operator.

CORRECTIVE ACTION DUE DATE: 9/18/24

OBSERVATIONS

This inspection report was conducted as part of the Succession of Operator process established by the Colorado Division of Reclamation, Mining, and Safety's Active Mines Program. The Line Camp Pit is a 112c Operation operated by Smith's Materials LLC. The site is located 9 miles northeast of Dolores, CO at an elevation of approximately 7,200 feet. Public access is controlled by a gate off the Hwy 145. Randy Smith of Smith's Materials was present during the inspection.

Financial Warranty:

The last bond calculation was done in 2018. As part of the Succession of Operator process. The financial warranty to reclaim this site will be updated per the requirements of the approved reclamation plan. An updated Reclamation Cost Estimate is attached to this inspection report. Calculations estimate the cost of reclamation to be \$81,388. This is an increase of \$27,577 over the current surety held by the Division. A Notice of Surety Increase will be sent under a separate cover once the operator has had the opportunity to review the estimate and dispute any calculations

Hydrologic Balance:

Groundwater is exposed in the in the pit (Photo 1). The Division has a substitute water supply plan on file from 2012 for the permanent exposure of ground water.

Hydrocarbons are stored on site in double walled tanks that serve as secondary containment. No spills or leaks were observed during the inspection.

Gen. Compliance with Mine Plan:

Material is mined from the pit in the southern extent of the permit boundary. The material is moved to the northern end of the permit boundary where it is processed and stockpiled for export off site. The operator has deviated from the approved mining plan and created a screening facility outside of the approved permit boundary.

Off-site Damage:

Land has been affected outside of the approved permit boundary. The operator cleared approximately 1.5 acres to the north of the approved permit boundary to use as a processing area (Photo 2). Topsoil was removed and stockpiled. Screening equipment was also brought into the area to sort material that originated from within the permit boundary. The operator has secured permits from the county for this disturbance and communications with the operator during the Succession of Operator process indicated that they planned on submitting an amendment with the Division to expand the permit boundary in the coming months. However, to date no amendment has been filed with the Division to adjust the permit boundary and account for new disturbance. This is a possible violation at this time pursuant to C.R.S. 34-32.5-116(4)(i) for failure to protect areas outside of the affected land from slides or damages occurring during the mining operation. This possible violation will require an amendment to be submitted to adjust the permit boundary and a hearing before the Mined Land Reclamation Board. The schedule and other details for the MLRB hearing will be provided under a separate document to be sent via certified mail to the operator.

Signs and Markers:

The mine identification sign and the affected area boundary markers are in place and in compliance with Rule 3.1.12. There are multiple signs posted by the gate off Hwy 82 and along the fence that delineates the property boundary (Photo 3). The permit boundary is marked with fence lines and berms that are easily identifiable.

Topsoil:

Topsoil is being stockpiled in a berm along the western perimeter of the permit boundary. The topsoil stockpiles are protected by vegetation (Photo 4). No signs of erosion or slumping were observed on the topsoil stockpiles. There appears to be sufficient topsoil to complete reclamation.

All responses to this report should be directed to Todd Jesse with the Division's Active Mines Program at DRMS, Room 215, 1001 E. 62nd Ave. Denver, CO 80216. Direct contact can be made at the Division's Grand Junction Field Office, by phone at (720) 688-0626 or by email at todd.jesse@state.co.us.

PHOTOGRAPHS



Photo 1 – View to the southwest of groundwater exposed in mining area.



Photo 2 – View to the north of unpermitted disturbance. Topsoil has been removed and stockpiled. Screening equipment can also be observed.



Photo 3 – View to the south of proper Mine ID sign at entrance to permit boundary.



Photo 4 – View to the southwest of berm made of topsoil. The topsoil is protected by vegetation.

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>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>N</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>PV</u>	

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

Inspection Contact Address

Randy Smith
Smith's Materials, LLC
27701 Road T
Dolores, CO 81323

CC: Travis Marshall, DRMS

COST SUMMARY WORK

Task description: _____

Site: Line Camp Pit

Permit Action: SO3

Permit/Job#: M2001001

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 6/27/2024

County: Montezuma

Filename: M001-000

User: TJ1

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Slope reduction for sediment basin form 0.5H:1V to 3H:1V	DOZER	1	7.59	\$3,345
002	Slope reduction of pit inslopes form 0.5H:1V to 3H:1V	DOZER	1	7.07	\$3,117
003	Replace topsoil to 1' depth over 8 acres	SCRAPER1	1	12.44	\$24,709
004	Finish Grade 10 acres affected area for drainage control	DOZER	1	24.05	\$10,688
005	Revegetate 8 acres	REVEGE	1	10.00	\$19,011
006	Mobilize/Demobilize	MOBILIZE	1	2.88	\$6,921
007	Secondary Mobilize/Demobilize	MOBILIZE	1	2.88	\$761
<u>SUBTOTALS:</u>				66.91	\$68,552

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$1,385

Performance bond: 1.05

Total = \$720

Job superintendent: 0.00

Total = \$0

Profit: 10.00

Total = \$6,855

TOTAL O & P = \$8,960

CONTRACT AMOUNT (direct + O & P) = \$77,512

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$0

Total = \$0

Engineering work and/or contract/bid preparation: 0.00

Total = \$0

Reclamation management and/or administration: 5.00

\$3,876

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$12,835

TOTAL BOND AMOUNT (direct + indirect) = \$81,387

BULLDOZER WORKTask description: Slope reduction for sediment basin form 0.5H:1V to 3H:1VSite: Line Camp Pit Permit Action: SO3 Permit/Job#: M2001001**PROJECT IDENTIFICATION**

Task #: 001 State: Colorado Abbreviation: None
 Date: 6/27/2024 County: Montezuma Filename: M001-001
 User: TJ1

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:	<u>\$241.38</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$143.92</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$14.11</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$41.30</u>	<u>NA</u>

Total unit Cost/Hour: \$440.71
 Total Fleet Cost/Hour: **\$440.71**

MATERIAL QUANTITIES

Initial Volume: 3,757
 Swell factor: 1.050
 Loose volume: **3,945** LCY

Source of estimated volume: Division of Reclamation, Mining & Safety
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 50 feet
 Unadjusted hourly production: 1,400.0 LCY/hr

Materials consistency description: Compacted fill or embankment 0.9

Average push gradient: -10 %
 Average site altitude: 7,200 feet

Material weight: 3,400 lbs/LCYWeight description: Sand and gravel - Wet

<u>Job Condition Correction Factor</u>	<u>Source</u>
Operator Skill: <u>0.750</u>	<u>(AVG.)</u>
Material consistency: <u>0.900</u>	<u>(CAT HB))</u>
Dozing method: <u>1.000</u>	<u>(GEN.)</u>
Visibility: <u>1.000</u>	<u>(AVG.)</u>

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.225	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.676	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3712

Adjusted unit production: 519.68 LCY/hr

Adjusted fleet production: **519.68** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.848/LCY

Total job time: **7.59** Hours

Total job cost: **\$3,345**

BULLDOZER WORKTask description: Slope reduction of pit inslopes form 0.5H:1V to 3H:1VSite: Line Camp Pit Permit Action: SO3 Permit/Job#: M2001001**PROJECT IDENTIFICATION**

Task #: 002 State: Colorado Abbreviation: None
 Date: 6/27/2024 County: Montezuma Filename: M001-002
 User: TJ1

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:	<u>\$241.38</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$143.92</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$14.11</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$41.30</u>	<u>NA</u>

Total unit Cost/Hour: \$440.71
 Total Fleet Cost/Hour: **\$440.71**

MATERIAL QUANTITIES

Initial Volume: 3,500
 Swell factor: 1.050
 Loose volume: **3,675 LCY**

Source of estimated volume: Division of Reclamation, Mining & Safety
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 50 feet
 Unadjusted hourly production: 1,400.0 LCY/hr

Materials consistency description: Compacted fill or embankment 0.9

Average push gradient: -10 %
 Average site altitude: 7,200 feet

Material weight: 3,400 lbs/LCYWeight description: Sand and gravel - Wet

<u>Job Condition Correction Factor</u>	<u>Source</u>
Operator Skill: <u>0.750</u>	<u>(AVG.)</u>
Material consistency: <u>0.900</u>	<u>(CAT HB))</u>
Dozing method: <u>1.000</u>	<u>(GEN.)</u>
Visibility: <u>1.000</u>	<u>(AVG.)</u>

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.225	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.676	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3712

Adjusted unit production: 519.68 LCY/hr

Adjusted fleet production: **519.68** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.848/LCY

Total job time: **7.07** Hours

Total job cost: **\$3,117**

SCRAPER TEAM WORKTask description: **Replace topsoil to 1' depth over 8 acres**Site: **Line Camp Pit**Permit Action: SO3Permit/Job#: M2001001**PROJECT IDENTIFICATION**Task #: 003State: ColoradoAbbreviation: NoneDate: 6/27/2024County: MontezumaFilename: M001-003User: TJ1Agency or organization name: DRMS**HOURLY EQUIPMENT**COSTShift basis: 1 per day

Equipment Description	
-Scraper:	Cat 637G w/push-pull
-Dozer:	Cat D8T - 8SU
Support Equipment -Load Area:	NA
-Dump Area:	Cat D8T - 8SU
Road Maintenance -Motor Grader:	NA
-Water Truck:	NA

Cost Breakdown:**Scraper Work Team****Support Equipment****Maintenance Equipment**

	Scraper	Dozer	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	NA	100	NA	NA
Ownership cost/hour:	\$255.23	\$241.38	NA	\$241.38	NA	NA
Operating cost/hour:	\$280.59	\$143.92	NA	\$143.92	NA	NA
%Utilization-ripper:	NA	NA	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	NA	\$0.00	NA	NA
Ripper op. cost/hour:	NA	\$0.00	NA	\$0.00	NA	NA
Operator cost/hour:	\$30.90	\$41.30	NA	\$41.30	NA	NA
Unit Subtotals:	\$566.72	\$426.60	NA	\$426.60	NA	NA
Number of Units:	2	1	0	1	0	0
Group Subtotals:	Work:	\$1,560.04	Support:	\$426.60	Maint:	\$0.00

Total work team cost/hour: **\$1,986.64****MATERIAL QUANTITIES**Initial volume: 14,256

CCY

Swell factor: 1.125Loose volume: **16,038**

LCY

Source of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION****Scraper Bowl (volume) Basis:**

Material weight:	<u>2,550 lbs/LCY</u>	Struck Volume:	<u>24.00</u>	LCY
Material description:	<u>Earth - Dry packed</u>	Heaped Volume:	<u>34.00</u>	LCY
Rated Payload:	<u>81,600 pounds</u>	Average Volume:	<u>29.00</u>	LCY
Payload Capacity:	<u>32.00 LCY</u>	Adjusted Capacity:	<u>29.00</u>	LCY

Cycle Time:Scraper Loading Time: 1.00 MinutesManeuver and Spread Time: 0.60 MinutesJob Condition Correction:

Site Altitude: 7200 feet

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

Travel Time:Road Condition: Rutted dirt, little maintenance, no water, 2" tire penetration 5.0Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	400.00	2.00	5.00	7.00	1362	0.36

Haul Time: 0.36 minutesReturn Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	400.00	-2.00	5.00	3.00	2949	0.28

Return Time: 0.28 minutesTotal Scraper team cycle time: 2.24 minutesAdjusted for job conditions: 1,289.46 LCY/HourSelected Number of Scrapers: 2 Scraper(s)Adjusted single scraper team (unit) hourly production: 1,289.46 LCY/HourAdjusted multiple scraper team (fleet) hourly production: 1,289.46 LCY/HourUnadjusted unit production/hour: 1,553.57 LCY/Hour

Optimal Number of Scrapers per push dozer: _____

JOB TIME AND COSTFleet size: 1 Team(s)Total job time: 12.44 HoursUnit cost: \$1.541 /LCYTotal job cost: \$24,709

BULLDOZER WORKTask description: Finish Grade 10 acres affected area for drainage controlSite: Line Camp Pit Permit Action: SO3 Permit/Job#: M2001001**PROJECT IDENTIFICATION**

Task #: 004 State: Colorado Abbreviation: None
 Date: 6/27/2024 County: Montezuma Filename: M001-004
 User: TJ1

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:	<u>\$241.38</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$143.92</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$14.11</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$3.73</u>	<u>50</u>
Operator Cost/Hour:	<u>\$41.30</u>	<u>NA</u>

Total unit Cost/Hour: \$444.44
 Total Fleet Cost/Hour: **\$444.44**

MATERIAL QUANTITIES

Initial Volume: 12,100
 Swell factor: 1.125
 Loose volume: **13,613 LCY**

Source of estimated volume: Division of Reclamation, Mining & Safety
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 50 feet
 Unadjusted hourly production: 1,400.0 LCY/hr

Materials consistency description: Compacted fill or embankment 0.9

Average push gradient: 0 %
 Average site altitude: 7,200 feet

Material weight: 2,550 lbs/LCYWeight description: Earth - Dry packed

<u>Job Condition Correction Factor</u>	<u>Source</u>
Operator Skill: <u>0.750</u>	<u>(AVG.)</u>
Material consistency: <u>0.900</u>	<u>(CAT HB))</u>
Dozing method: <u>1.000</u>	<u>(GEN.)</u>
Visibility: <u>1.000</u>	<u>(AVG.)</u>

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4043

Adjusted unit production: 566.02 LCY/hr

Adjusted fleet production: **566.02 LCY/hr**

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.785/LCY

Total job time: **24.05** Hours

Total job cost: **\$10,688**

REVEGETATION WORKTask description: Revegetate 8 acresSite: Line Camp PitPermit Action: SO3Permit/Job#: M2001001**PROJECT IDENTIFICATION**Task #: 005State: ColoradoAbbreviation: NoneDate: 6/27/2024County: MontezumaFilename: M001-005User: TJ1Agency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
10-34-0, 18-46-0, 5-10-5	200.00	pound	\$0.50	\$99.34
			Total Fertilizer Materials Cost/Acre	\$99.34

Application

Description	Cost /Acre
Truck whirlwind spreader (MEANS 32 01 90.13 0140)	\$17.42
Total Fertilizer Application Cost/Acre	\$17.42

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$112.82
Weed control spraying (MEANS 31 31 16.13 3100)	\$338.80
Total Tilling Cost/Acre	\$451.62

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Orchardgrass - Latar	0.80	9.92	\$3.34
Meadow Brome - Regar	5.50	5.05	\$21.86
Intermediate Wheatgrass - Oahe	5.00	10.67	\$14.00
Milk Vetch, Cicer - Monarch	1.20	3.99	\$9.84
Timothy - Climax	0.30	8.61	\$0.48
Totals Seed Mix	12.80	38.25	\$49.52

Application

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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
Herbicide - Curtail @ 4.0 pt/ac	1.00	ACRE	\$35.09	\$35.09
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$429.79	\$859.57
Total Mulch Materials Cost/Acre				\$894.66

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$74.46
Weed spray, truck, aquatic area, nox. [DMG]	\$62.72
Total Mulch Application Cost/Acre	\$137.18

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
Willow, Sandbar	20	Tubling, 3 cu. in. container (MEANS)	\$1.21	\$0.00	\$24.20
Totals Nursery Stock Cost / Acre					\$24.20

JOB TIME AND COST

No. of Acres: 8 Cost /Acre: \$1,905.94
 Estimated Failure Rate: 25% Cost /Acre*: \$1,881.74
 *Selected Replanting Work Items: FERTILIZING,TILLING,SEEDING,MU
LCHING

Initial Job Cost: \$15,247.52
 Reseeding Job Cost: \$3,763.48
 Total Job Cost: \$19,011
 Job Hours: 10.00

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: Mobilize/DemobilizeSite: Line Camp PitPermit Action: SO3Permit/Job#: M2001001**PROJECT IDENTIFICATION**Task #: 006State: ColoradoAbbreviation: NoneDate: 6/27/2024County: MontezumaFilename: M001-006User: TJ1Agency or organization name: DRMS**EQUIPMENT TRANSPORT RIG COST**Shift basis: 1 per dayCost Data Source: CRG DataTruck 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:	\$20.26	\$36.04	\$47.05
Operating Cost/Hour:	\$39.51	\$76.08	\$82.85
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52
Helper Cost/Hour:	\$0.00	\$23.53	\$23.53
Total Unit Cost/Hour:	\$82.29	\$158.17	\$175.95

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	47.71	\$241.38	\$158.17	2	\$799.10	\$316.34	\$250.00
Cat 637G w/push-pull	59.59	\$255.23	\$175.95	2	\$862.36	\$351.90	\$250.00
Drill/Broadcast Seeder with Tractor	25.00	\$6.73	\$82.29	1	\$89.02	\$82.29	\$250.00
Power Mulcher (Bowie LD-90)	6.00	\$25.94	\$82.29	1	\$108.23	\$82.29	\$250.00

Subtotals: **\$1,858.71** **\$832.82** **\$1,000.00****ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 3/4 T.	\$15.83	1	\$15.83	\$15.83

Subtotals: **\$15.83** **\$15.83**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: CORTEZ
 Total one-way travel distance: 10.00 miles
 Average Travel Speed: 45.00 mph

Total Non-Roadable Mob/Demob Cost * \$6,913.66
 ** two round trips with haul rig:
 Total Roadable Mob/Demob Cost ** \$7.04
 ** one round trip, no haul rig:

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.22	0.22
Return Time (Hours):	0.22	0.22
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.44	0.44

JOB TIME AND COST

Total job time: 2.89 Hours

Total job cost: \$6,921

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: Secondary Mobilize/DemobilizeSite: Line Camp PitPermit Action: SO3Permit/Job#: M2001001**PROJECT IDENTIFICATION**Task #: 007State: ColoradoAbbreviation: NoneDate: 6/27/2024County: MontezumaFilename: M001-007User: TJ1Agency or organization name: DRMS**EQUIPMENT TRANSPORT RIG COST**Shift basis: 1 per dayCost Data Source: CRG DataTruck 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:	\$20.26	\$36.04	\$47.05
Operating Cost/Hour:	\$39.51	\$76.08	\$82.85
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52
Helper Cost/Hour:	\$0.00	\$23.53	\$23.53
Total Unit Cost/Hour:	\$82.29	\$158.17	\$175.95

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
Drill/Broadcast Seeder with Tractor	25.00	\$6.73	\$82.29	1	\$89.02	\$82.29	\$250.00

Subtotals: **\$89.02** **\$82.29** **\$250.00****ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 3/4 T.	\$15.83	1	\$15.83	\$15.83

Subtotals: **\$15.83** **\$15.83**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: CORTEZ
 Total one-way travel distance: 10.00 miles
 Average Travel Speed: 45.00 mph

Total Non-Roadable Mob/Demob Cost * \$754.18
 ** two round trips with haul rig:
 Total Roadable Mob/Demob Cost ** \$7.04
 ** one round trip, no haul rig:

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.22	0.22
Return Time (Hours):	0.22	0.22
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.44	0.44

JOB TIME AND COST

Total job time: 2.89 Hours

Total job cost: \$761