




**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.

<b>MINE NAME:</b> North River Gravel Pit Extension	<b>MINE/PROSPECTING ID#:</b> M-1999-007	<b>MINERAL:</b> Gravel	<b>COUNTY:</b> Rio Blanco
<b>INSPECTION TYPE:</b> Surety-Related Inspection	<b>INSPECTOR(S):</b> Amy Yeldell	<b>INSP. DATE:</b> April 27, 2021	<b>INSP. TIME:</b> 09:00
<b>OPERATOR:</b> George T. Weldon Construction, LLC	<b>OPERATOR REPRESENTATIVE:</b> Mike Weldon	<b>TYPE OF OPERATION:</b> 112c - Construction Regular Operation	
<b>REASON FOR INSPECTION:</b> Priority	<b>BOND CALCULATION TYPE:</b> Complete Bond	<b>BOND AMOUNT:</b> \$25,900.00	
<b>DATE OF COMPLAINT:</b> NA	<b>POST INSP. CONTACTS:</b> DRMS	<b>JOINT INSP. AGENCY:</b> None	
<b>WEATHER:</b> Raining	<b>INSPECTOR'S SIGNATURE:</b> 	<b>SIGNATURE DATE:</b> May 6, 2021	

**GENERAL INSPECTION TOPICS**

This list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each. No problems or possible violations were noted during the inspection. The mine operation was found to be in full compliance with Mineral Rules and Regulations of the Colorado Mined Land Reclamation Board for the Extraction of Construction Materials and/or for Hard Rock, Metal and Designated Mining Operations. Any person engaged in any mining operation shall notify the office of any failure or imminent failure, as soon as reasonably practicable after such person has knowledge of such condition or of any impoundment, embankment, or slope that poses a reasonable potential for danger to any persons or property or to the environment; or any environmental protection facility designed to contain or control chemicals or waste which are acid or toxic-forming, as identified in the permit.

(AR) RECORDS----- <u>Y</u>	(FN) FINANCIAL WARRANTY----- <u>Y</u>	(RD) ROADS----- <u>Y</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>NA</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE----- <u>Y</u>	(RV) REVEGETATION---- <u>Y</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>NA</u>	(RS) RECL PLAN/COMP-- <u>NA</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>N</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(ST) STIPULATIONS----- <u>Y</u>
(AT) ACID OR TOXIC MATERIALS----- <u>NA</u>	(OD) OFF-SITE DAMAGE----- <u>NA</u>	

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

## **OBSERVATIONS**

This inspection was conducted by the Colorado Division of Reclamation, Mining and Safety. The North River Gravel Pit Extension is a 112c permitted site located approximately 3 miles northeast of Rangely Colorado in Rio Blanco County. Mike Weldon represent George T Weldon Construction, LLC and accompanied Amy Yeldell of the Division on the inspection.

In 2018 an inspection problem identified that the current permit boundary was unclear and that the Division was unable to determine which disturbances were within the permit boundary or potentially historical. As a result a conversion application was submitted to increase the permit size to 18.75 ac., which included all land affected by mining. On March 19, 2020 CN-1 was approved and the required bond amount was set at \$253,762.00. To date the Operator has not posted the required bond amount and the Division holds a financial warranty of \$25,900.00. Pursuant to Rule 4.1(2) if these Warranties are not received within one (1) calendar year of approval of an application for any new permit, amendment or conversion, the Board shall hold a hearing, in accordance with the notification and comment provisions of Rule 1.6, to reconsider the previous approval.

In discussions with the Operator, they have no intent to continue to mine this site and no longer wish to hold the permit. The purpose of this inspection was to identify the actual reclamation liabilities and current site conditions. The Division has recalculated the bond to address the minimum requirements of the act and Rules. The Division estimates that a financial Warranty of \$83,031 would be sufficient to reclaim mining disturbances throughout the permit. Attached is the Divisions calculations and supporting documentation. The Division is exploring options moving forward to resolve this matter.

The mine identification sign and boundary markers were in place and in compliance with Rule 3.1.12. The Division would like to point out that the previous Operator is listed rather than the current. The entrance gate remains in place and was locked.

The pit was inactive at the time of the inspection. Mr. Weldon indicates that they have not mined the site in approximately 3 years. There was evidence of recent excavations which is believed to be done by the landowner but was not confirmed. There was no equipment, fuel or other mining related debris on site.

The mine road goes through the center of property and grants access to the various excavation areas as well as the rest of the landowner's property. In general the site is a series of hills approximately 40 tall at a 2-3H:1V slopes. Vegetation is extremely sparse and consists of arid rangeland species. Mined areas are generally 1H: 1V slopes and free from vegetation. Flat areas appear to previously be used for stockpiling and processing of material and have begun to self-reclaim. No stockpiles of processed material remain on site. The limited stockpiles area primarily topsoil and overburden.

In order to complete final reclamation at the site all stockpiles would need to be graded out to blend with the current topography. The limited highwalls would need to be sloped to a 3H: 1V or less. Areas of high compaction would need to be ripped. All available topsoil would be applied with an emphasis on contoured slopes. And lastly all affected lands stabilized with a dry rangeland seed mix. The road and entrance gate will remain poste reclamation.

Responses to this inspection report should be directed to: Amy Yeldell at the Division of Reclamation, Mining and Safety, 1313 Sherman St., Room 215, Denver, CO 80203. Direct contact can be made by phone at 303-866-3567 Ext 8183 or via email at amy.yeldell@state.co.us

**Inspection Contact Address**

Mike Weldon  
George T. Weldon Construction, LLC  
P.O. Box 1170  
Vernal, UT 84078

Enclosure: 2021 Bond calc and supplemental figures

EC:

Travis Marshall, Senior EPS, Grand Junction DRMS

**PHOTOGRAPHS**

















## COST SUMMARY WORK

Task description: 2021 update

Site: North River Gravel Pit  
Extension

Permit Action: 2021

Permit/Job#: M1999007

### PROJECT IDENTIFICATION

Task #: ACY  
Date: 5/4/2021  
User: ACY

State: Colorado  
County: Rio Blanco

Abbreviation: None  
Filename: M007-ACY

Agency or organization name: DRMS

### TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Backfill/regrade slopes	DOZER	1	37.57	\$9,291
02a	Rip pit floor/stockpile areas	RIPPER	1	8.56	\$2,299
03a	Distribute topsoil over disturbed areas	LOADER	1	50.40	\$7,448
04a	Spread transported topsoil	DOZER	1	7.05	\$1,743
05a	Revegetate disturbed area	REVEGE	1	24.00	\$30,849
06a	Initial Mobilization	MOBILIZE	1	9.20	\$6,966
06b	Initial Mobilization	MOBILIZE	1	9.20	\$2,488
<b><u>SUBTOTALS:</u></b>				<b>145.98</b>	<b>\$61,084</b>

### INDIRECT COSTS

#### OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$1,234
Performance bond:	1.05	Total =	\$641
Job superintendent:	75.24	Total =	\$5,233
Profit:	10.00	Total =	\$6,108
		TOTAL O & P =	\$13,217
		CONTRACT AMOUNT (direct + O & P) =	\$74,301

#### LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	\$500	Total =	\$500
Engineering work and/or contract/bid preparation:	0.00	Total =	\$0
Reclamation management and/or administration:	5.00		\$3,715

CONTINGENCY: 3.00      Total = \$1,833

TOTAL INDIRECT COST = \$19,264

**TOTAL BOND AMOUNT (direct + indirect) = \$80,348**



**BULLDOZER WORK**Task description: **Backfill/regrade slopes**

Site: **North River Gravel Pit Extension** Permit Action: **2021** Permit/Job#: **M1999007**

**PROJECT IDENTIFICATION**

Task #: **01A** State: **Colorado** Abbreviation: **None**  
 Date: **5/4/2021** County: **Rio Blanco** Filename: **M007-01a**  
 User: **ACY**

Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**

Basic Machine: **Cat D8T - 8SU**  
 Horsepower: **310**  
 Blade Type: **Semi-Universal**  
 Attachment: **NA**  
 Shift Basis: **1 per day**  
 Data Source: **(CRG)**

**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$116.22	NA
Operating Cost/Hour:	\$89.77	100
Ripper own. Cost/Hour:	\$0.00	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$41.30	NA

Total unit Cost/Hour: **\$247.28**  
 Total Fleet Cost/Hour: **\$247.28**

**MATERIAL QUANTITIES**

Initial Volume: **6,912**  
 Swell factor: **1.180**  
 Loose volume: **8,156 LCY**

Source of estimated volume: **DRMS estimates**  
 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: **0 %**  
 Average site altitude: **5,300 feet**

Material weight: **4,050 lbs/LCY**Weight description: **Sand and clay - Compacted****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:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.568	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.2546

Adjusted unit production: 217.07 LCY/hr

Adjusted fleet production: **217.07** LCY/hr

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)

Unit cost: \$1.139/LCY

Total job time: **37.57** Hours

Total job cost: **\$9,291**

## BULLDOZER RIPPING WORK

Task description: Rip pit floor/stockpile areas

Site: North River Gravel Pit Permit Action: 2021 Permit/Job#: M1999007  
Extension

### PROJECT IDENTIFICATION

Task #: 02A State: Colorado Abbreviation: None  
Date: 5/4/2021 County: Rio Blanco Filename: M007-02a  
User: ACY

Agency or organization name: DRMS

### HOURLY EQUIPMENT COST

Basic Machine: Cat D8T - 8SU Horsepower: 310  
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day  
Data Source: (CRG)

#### Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	\$116.22	NA
Operating Cost/Hour:	\$89.77	100
Ripper Ownership Cost/Hour:	\$12.00	NA
Ripper Operating Cost/Hour:	\$9.18	100
Operator Cost/Hour:	\$41.30	NA
Total Unit Cost/Hour:	\$268.46	
Total Fleet Cost/Hour:	<b>\$268.46</b>	

### MATERIAL QUANTITIES

Selected estimating method: Area

#### Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA  
Area: 5.00 acres Rip Depth (ft): 2.00 Volume: 16,133 BCY or CCY

Source of estimated quantity: Staff estimates

### HOURLY PRODUCTION

#### Seismic:

Seismic Velocity: NA feet/second

#### Area:

Average Ripping Depth: 2.56 feet/pass  
Average Ripping Width: 7.08 feet/pass  
Average Ripping Length: 100.00 feet/pass  
Average Dozer Speed: 88.00 feet/minute  
Average Maneuver Time: 0.25 minutes/pass  
Production per unit area: 0.703 acres/hour

#### Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.703 Acres/hr  
Site Altitude: 5,300 feet  
Altitude Adj: 1.00 (CAT HB)  
Job Efficiency: 0.83 (1 shift/day)  
Net Correction: 0.83 multiplier

Adjusted Hourly Unit Production: 0.58 Acres/hr  
Adjusted Hourly Fleet Production: **0.58** Acres/hr

### JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: **8.56** Hours

Unit cost: \$459.814 Per acre Total job cost: **\$2,299**



**WHEEL LOADER – LOAD AND CARRY WORK**Task description: Distribute topsoil over disturbed areas

Site: North River Gravel Pit Extension Permit Action: 2021 Permit/Job#: M1999007

**PROJECT IDENTIFICATION**

Task #: 03A State: Colorado Abbreviation: None  
 Date: 5/4/2021 County: Rio Blanco Filename: M007-03a  
 User: ACY

Agency or organization name: DRMS**HOURLY EQUIPMENT COST**

Basic Machine: CAT 972H Horsepower: 287  
 Attachment 1: ROPS Cab Shift Basis: 1 per day  
 Data Source: (CRG)

**Cost Breakdown:**

		Utilization %
Ownership Cost/Hour:	\$48.09	NA
Operating Cost/Hour:	\$58.95	100
Operator Cost/Hour:	\$40.71	NA
Total Unit Cost/Hour:	\$147.75	
Total Fleet Cost/Hour:	\$147.75	

**MATERIAL QUANTITIES**

Initial volume: 9,078 CCY Swell factor: 1.125  
 Loose volume: 10,213 LCY

Source of estimated volume: 16.88 ac @ 4" deep  
 Source of estimated swell factor: Cat Handbook

**HOURLY PRODUCTION**Loader Cycle Time: Unadjusted Basic Cycle Time (load, dump, maneuver): 0.525 minutes

Cycle Time Factors		Factor (min.)	Source
Material:	Material up to 1/8" diameter 0.02	0.020	(Cat HB)
Stockpile:	No adjustment - factor not applicable 0.00	0.000	(Cat HB)
Truck Ownership:	Common ownership of trucks and loaders -0.04	-0.040	(Cat HB)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		-0.060	minutes
Adjusted Basic Cycle Time:		0.465	minutes

**Rolling Resistance – Road Conditions**

Haul: Rutted dirt, little maintenance, no water, 2" tire penetration 5.0  
 Return: Rutted dirt, little maintenance, no water, 2" tire penetration 5.0

**Haul and Return Time**

	Length (feet)	Grade Res. (%)	Rolling Res. (%)	Total Res. (%)	Travel Time (minutes)	Source
Haul Route:	500	0.00	5.00	5.00	0.4611	(Cat HB)
Return Route:	500	0.00	5.00	5.00	0.4160	(Cat HB)

Total Travel Time: 0.8771 minutes  
 Total Cycle Time: 1.3421 minutes

Load Bucket Capacity

Rated Capacity: 5.60 LCY (heaped)  
 Bucket Fill Factor: 0.975 Loose material - uniform aggregates to 1/8" (95-100%) 0.975  
 Adjusted Capacity: 5.46 LCY

Job Condition Correction Factors

Site Altitude: 5300 feet

		Source
Altitude Adj:	<u>1.00</u>	(CAT HB)
Job Efficiency:	<u>0.83</u>	(1 shift/day)
Net Correction:	<u>0.83</u>	multiplier

Unadjusted Hourly Unit Production: 244.10 LCY/Hour  
 Adjusted Hourly Unit Production: 202.60 LCY/Hour  
 Adjusted Hourly Fleet Production: 202.60 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Loader(s) Total job time: 50.41 Hours  
 Unit cost: \$0.729 /LCY Total job cost: \$7,448

**BULLDOZER WORK**Task description: Spread transported topsoil

Site: North River Gravel Pit Extension Permit Action: 2021 Permit/Job#: M1999007

**PROJECT IDENTIFICATION**

Task #: 04A State: Colorado Abbreviation: None  
 Date: 5/4/2021 County: Rio Blanco Filename: M007-04a  
 User: ACY

Agency or organization name: DRMS**HOURLY EQUIPMENT COST**

Basic Machine: Cat D8T - 8SU  
 Horsepower: 310  
 Blade Type: Semi-Universal  
 Attachment: NA  
 Shift Basis: 1 per day  
 Data Source: (CRG)

**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$116.22	NA
Operating Cost/Hour:	\$89.77	100
Ripper own. Cost/Hour:	\$0.00	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$41.30	NA

Total unit Cost/Hour: \$247.28  
 Total Fleet Cost/Hour: \$247.28

**MATERIAL QUANTITIES**

Initial Volume: 5,107  
 Swell factor: 1.000  
 Loose volume: 5,107 LCY

Source of estimated volume: DRMS estimates  
 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: Loose stockpile 1.2

Average push gradient: 0 %  
 Average site altitude: 5,300 feet

Material weight: 2,550 lbs/LCYWeight description: Earth - Dry packed**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	0.600	(POOR)
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:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.5175

Adjusted unit production: 724.50 LCY/hr

Adjusted fleet production: **724.5** LCY/hr

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)

Unit cost: \$0.341/LCY

Total job time: **7.05** Hours

Total job cost: **\$1,743**

**REVEGETATION WORK**Task description: Revegetate disturbed areaSite: North River Gravel Pit  
ExtensionPermit Action: 2021Permit/Job#: M1999007**PROJECT IDENTIFICATION**Task #: 05A  
Date: 5/4/2021  
User: ACYState: Colorado  
County: Rio BlancoAbbreviation: None  
Filename: M007-05aAgency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
			<b>Total Fertilizer Materials Cost/Acre</b>	<b>\$0.00</b>

**Application**

Description	Cost /Acre
	\$
<b>Total Fertilizer Application Cost/Acre</b>	<b>\$0.00</b>

**TILLING**

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

**SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Paloma	8.00	25.90	\$89.00
Bottlebrush Squirreltail	5.00	22.04	\$81.13
Sandberg Bluegrass - VNS	1.00	21.24	\$8.40
Saltbush, Four Wing	2.50	3.44	\$31.25
Saltbush, Shadscale	2.00	2.98	\$20.00
<b>Totals Seed Mix</b>	<b>18.50</b>	<b>75.60</b>	<b>\$229.78</b>

**Application**

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

**MULCHING and MISCELLANEOUS****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$2.92	\$2.92
Herbicide - Plateau @ 1.0 pt/ac	2.00	ACRE	\$10.11	\$20.22
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$301.00	\$602.00
<b>Total Mulch Materials Cost/Acre</b>				<b>\$625.14</b>

**Application**

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$70.17
Power mulcher (MEANS 32 91 13.16 0350)	\$101.93
Weed spray, truck, non-aquatic area, nox. [DMG]	\$62.72
Weed spray, truck, non-aquatic areas, ann. [DMG]	\$22.81
<b>Total Mulch Application Cost/Acre</b>	<b>\$257.63</b>

**NURSERY STOCK PLANTING**

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
<b>Totals Nursery Stock Cost / Acre</b>					<b>\$0.00</b>

**JOB TIME AND COST**

No. of Acres: 17 Cost /Acre: \$1,451.71  
 Estimated Failure Rate: 25% Cost /Acre\*: \$1,451.71  
 \*Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: \$24,679.07  
 Reseeding Job Cost: \$6,169.77  
 Total Job Cost: \$30,849  
 Job Hours: 24.00



**EQUIPMENT MOBILIZATION/DEMOBILIZATION**Task description: **Initial Mobilization**Site: **North River Gravel Pit  
Extension**Permit Action: **2021**Permit/Job#: **M1999007****PROJECT IDENTIFICATION**

Task #: **06A** State: **Colorado** Abbreviation: **None**  
 Date: **5/4/2021** County: **Rio Blanco** Filename: **M007-06a**  
 User: **ACY**

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:**

<b>Available Rig Capacities</b>	<b>0-25 Tons</b>	<b>26-50 Tons</b>	<b>51+ Tons</b>
Ownership Cost/Hour:	\$17.20	\$29.63	\$38.69
Operating Cost/Hour:	\$26.56	\$47.02	\$55.69
Operator Cost/Hour:	\$23.63	\$23.63	\$23.63
Helper Cost/Hour:	\$0.00	\$23.53	\$23.53
Total Unit Cost/Hour:	\$67.39	\$123.81	\$141.54

**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	\$116.22	\$123.81	1	\$240.03	\$123.81	\$250.00
CAT 972H	28.00	\$48.09	\$123.81	1	\$171.90	\$123.81	\$250.00
Drill/Broadcast Seeder with Tractor	25.00	\$6.72	\$67.39	1	\$74.11	\$67.39	\$250.00
Power Mulcher (Bowie LD-90)	6.00	\$11.19	\$67.39	1	\$78.58	\$67.39	\$250.00

Subtotals: **\$564.62** **\$382.40** **\$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.	\$40.91	1	\$40.91	\$40.91
Flatbed Truck, 6x4, 45K GVW	\$77.71	1	\$77.71	\$77.71

Subtotals: **\$118.62** **\$118.62**

**EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region:	<u>GRAND JUNCTION</u>	
Total one-way travel distance:	<u>90.00</u>	miles
Average Travel Speed:	<u>50.00</u>	mph

Total Non-Roadable Mob/Demob Cost *	<u>\$6,538.51</u>
** two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	<u>\$427.03</u>
** one round trip, no haul rig:	

**Transportation Cycle Time:**

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	<u>1.80</u>	<u>1.80</u>
Return Time (Hours):	<u>1.80</u>	<u>1.80</u>
Loading Time (Hours):	<u>0.50</u>	<u>NA</u>
Unloading Time (Hours):	<u>0.50</u>	<u>NA</u>
Subtotals:	<u>4.60</u>	<u>3.60</u>

**JOB TIME AND COST**

Total job time:	<u>9.20</u>	Hours
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Total job cost:	<u>\$6,966</u>
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**EQUIPMENT MOBILIZATION/DEMOBILIZATION**Task description: **Initial Mobilization**Site: **North River Gravel Pit**  
**Extension**Permit Action:  
2021

Permit/Job#: M1999007

**PROJECT IDENTIFICATION**Task #: 06B  
Date: 5/4/2021  
User: ACYState: Colorado  
County: Rio BlancoAbbreviation: None  
Filename: M007-06b

Agency or organization name: DRMS

**EQUIPMENT TRANSPORT RIG COST**Shift basis: 1 per day  
Cost 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:**

<b>Available Rig Capacities</b>	<b>0-25 Tons</b>	<b>26-50 Tons</b>	<b>51+ Tons</b>
Ownership Cost/Hour:	\$17.20	\$29.63	\$38.69
Operating Cost/Hour:	\$26.56	\$47.02	\$55.69
Operator Cost/Hour:	\$23.63	\$23.63	\$23.63
Helper Cost/Hour:	\$0.00	\$23.53	\$23.53
Total Unit Cost/Hour:	\$67.39	\$123.81	\$141.54

**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	\$6.72	\$67.39	1	\$74.11	\$67.39	\$250.00
Power Mulcher (Bowie LD-90)	6.00	\$11.19	\$67.39	1	\$78.58	\$67.39	\$250.00

Subtotals: **\$152.69** **\$134.78** **\$500.00****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.	\$40.91	1	\$40.91	\$40.91

Subtotals: **\$40.91** **\$40.91**

**EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region:	<u>GRAND JUNCTION</u>	
Total one-way travel distance:	<u>90.00</u>	miles
Average Travel Speed:	<u>50.00</u>	mph

Total Non-Roadable Mob/Demob Cost *	<u>\$2,340.27</u>
** two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	<u>\$147.28</u>
** one round trip, no haul rig:	

**Transportation Cycle Time:**

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	<u>1.80</u>	<u>1.80</u>
Return Time (Hours):	<u>1.80</u>	<u>1.80</u>
Loading Time (Hours):	<u>0.50</u>	<u>NA</u>
Unloading Time (Hours):	<u>0.50</u>	<u>NA</u>
Subtotals:	<u>4.60</u>	<u>3.60</u>

**JOB TIME AND COST**

Total job time:	<u>9.20</u>	Hours
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Total job cost:	<u>\$2,488</u>
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## North River Gravel Pit Extension M-1999-007

### Slopes Summary:

1. 40 LF of vertical highwall at 15' high- backfill 500 CY. Approx. 1 ac or reveg after grading
2. 200 LF of 1H:1V at 20' high mounds- cut/fill 741 CY. Approx. 2 ac or reveg after grading
3. 500 LF of 1H: 1V at 5' high edge berming, top of hill cut- cut/fill 116 CY. Approx. 1 ac or reveg after grading
4. 5000 cy general grading of main highwall. Recent new excavations. Approx. 3 ac or reveg after grading
5. 200 LF at 1H: 1V at 10' high berms- cut/fill 185 CY. Approx. 1 ac or reveg after grading
6. 100 LF at 1H: 1V at 10' high hill cut- backfill 370 CY. Approx. 1 ac or reveg after grading

### Tasks

01a- Regrade highwalls. Total of 6912 CCY

02a- Approx. 5 additional acres of compacted areas will need ripped

03a- Transport topsoil 16.88 ac @ 4" per rec plan and soils info 10,213 LCY transported,

04a- Spread half of transported volume 5,107 LCY

05a- Reveg topsoiled areas 16.88 ac with approved seed mix-per rec plan

06a/b- Mobilization

\* See attached map for approximate areas requiring work.

-Road through property remains

-Gate at entrance will remain