

January 26, 2024

John Gilleland
C & J Gravel Products, Inc.
27661 U.S. Hwy 160 E
Durango, CO 81303



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

1313 Sherman Street, Room 215
Denver, CO 80203

RE: Montoya Pit, Permit # M-1980-146, Reclamation Costs Update

Dear Operator:

In an effort to ensure the Financial Warranty for the above referenced site adequately reflects the actual current costs of fulfilling the requirements of the approved reclamation plan, the Colorado Division of Reclamation, Mining and Safety (Division) has updated the reclamation cost estimate (copy enclosed) for this site. Division calculations estimate the cost to reclaim the site to be \$432,348.00. This is an increase of \$10,990.00 over the \$421,358.00 currently held by the Division.

Within 15 days, please review the attached estimate and notify me if any calculation errors are noted.

If you require additional information, or have questions or concerns, please contact me.

Sincerely,

A handwritten signature in blue ink, appearing to read "Dustin Czapla".

Dustin Czapla
Environmental Protection Specialist
Division of Reclamation, Mining and Safety
Phone: (303) 866-3567, ext. 8188



COST SUMMARY WORK

Task description: 2024-01-10 Update

Site: Montoya Pit

Permit Action: 2024-01-10 Update

Permit/Job#: M1980146

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 1/10/2024

County: La Plata

Filename: M146-000

User: DMC

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Reduce highwall A5	DOZER	2	3.60	\$2,911
02a	General Dozing around area A5 and A6	DOZER	2	1.44	\$1,163
03a	Backfill highwall C	DOZER	2	22.94	\$18,571
04a	Reduce highwall Dw to 3:1	DOZER	2	9.17	\$7,419
05a	Haul 1/2 material from stockpile to backfill highwall Ds	TRUCK1	2	29.41	\$42,692
06a	Backfill 1/2 of highwall Ds	DOZER	2	12.81	\$10,368
07a	Reduce top half of Highwall Ds to 3:1	DOZER	2	16.94	\$13,709
08a	Backfill highwall Ex-S (Expansion Area)	DOZER	2	16.61	\$13,448
09a	Backfill Highwall EX-N (Expansion Area)	DOZER	2	5.03	\$4,074
10a	Rip all pit floors, compacted areas new and expansion area	RIPPER	2	33.35	\$31,326
11a	Distribute topsoil to all disturbed acres that will reveg.	TRUCK1	2	40.93	\$59,409
12a	Spread topsoil on areas to be revegetated	DOZER	2	15.41	\$12,477
13a	55.6 ac old BLM and 1/2 exp. w/second seeding and weed mgmt	REVEGE	1	16.00	\$91,705
14a	Second seeding onBLM +Private w/weed mgmt	REVEGE	1	16.00	\$32,212
15a	Mobilization	MOBILIZE	1	4.26	\$12,771
16a	Removal of fencing	DEMOLISH	1	6.00	\$2,360
<u>SUBTOTALS:</u>				249.9	\$356,615

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02
Performance bond: 1.05
Job superintendent: 123.83
Profit: 10.00

Total = \$7,204

Total = \$3,744

Total = \$8,059

Total = \$35,662

TOTAL O & P = \$54,668

CONTRACT AMOUNT (direct + O & P) = \$411,283

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

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

Total = \$500

Total = \$0

\$20,564

CONTINGENCY: 0.00Total = \$0

TOTAL INDIRECT COST = \$75,733

TOTAL BOND AMOUNT (direct + indirect) = \$432,348

BULLDOZER WORKTask description: **Reduce highwall A5**Site: **Montoya Pit**Permit Action: **2024-01-10 Update**Permit/Job#: **M1980146****PROJECT IDENTIFICATION**Task #: **01A**State: **Colorado**Abbreviation: **None**Date: **1/10/2024**County: **La Plata**Filename: **M146-01a**User: **DMC**Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Basic Machine: **Cat D10T - 10SU**Horsepower: **574**Blade Type: **Semi-Universal**Attachment: **3-shank ripper**Shift Basis: **1 per day**Data Source: **(CRG)****Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$178.69	NA
Operating Cost/Hour:	\$160.22	100
Ripper own. Cost/Hour:	\$24.49	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$41.30	NA

Total unit Cost/Hour: **\$404.70**Total Fleet Cost/Hour: **\$809.40****MATERIAL QUANTITIES**Initial Volume: **6,258**Swell factor: **1.000**Loose volume: **6,258 LCY**Source of estimated volume: **(330 LN*32'H)/27=6,258 CY**Source of estimated swell factor: **Cat Handbook****HOURLY PRODUCTION**Average push distance: **100 feet**Unadjusted hourly production: **1,718.9 LCY/hr**Materials consistency description: **Loose stockpile 1.2**Average push gradient: **-5 %**Average site altitude: **6,750 feet**Material weight: **2,650 lbs/LCY**Weight description: **Decomposed rock - 25% Rock, 75% Earth****Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	1.200	(CAT HB)
Dozing method:	1.000	(GEN.)
Visibility:	1.000	(AVG.)

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.700	(FND-MF)
Push gradient:	1.115	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.868	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.5061

Adjusted unit production: 869.94 LCY/hr

Adjusted fleet production: **1739.88** LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)

Unit cost: \$0.465/LCY

Total job time: **3.60** Hours

Total job cost: **\$2,911**

BULLDOZER WORKTask description: General Dozing around area A5 and A6Site: Montoya PitPermit Action: 2024-01-10 UpdatePermit/Job#: M1980146**PROJECT IDENTIFICATION**Task #: 02AState: ColoradoAbbreviation: NoneDate: 1/10/2024County: La PlataFilename: M146-02aUser: DMCAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D10T - 10SUHorsepower: 574Blade Type: Semi-UniversalAttachment: 3-shank ripperShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$178.69	NA
Operating Cost/Hour:	\$160.22	100
Ripper own. Cost/Hour:	\$24.49	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$41.30	NA

Total unit Cost/Hour: \$404.70Total Fleet Cost/Hour: **\$809.40****MATERIAL QUANTITIES**Initial Volume: 2,500Swell factor: 1.000Loose volume: **2,500** LCYSource of estimated volume: DRMS Estimated area for finish gradingSource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 100 feetUnadjusted hourly production: 1,718.9 LCY/hrMaterials consistency description: Loose stockpile 1.2Average push gradient: -5 %Average site altitude: 6,750 feetMaterial weight: 2,650 lbs/LCYWeight description: Decomposed rock - 25% Rock, 75% Earth**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	1.200	(CAT HB)
Dozing method:	1.000	(GEN.)
Visibility:	1.000	(AVG.)

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.700	(FND-MF)
Push gradient:	1.115	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.868	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.5061

Adjusted unit production: 869.94 LCY/hr

Adjusted fleet production: **1739.88** LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)

Unit cost: \$0.465/LCY

Total job time: **1.44** Hours

Total job cost: **\$1,163**

BULLDOZER WORKTask description: **Backfill highwall C**Site: **Montoya Pit** Permit Action: **2024-01-10 Update** Permit/Job#: **M1980146****PROJECT IDENTIFICATION**

Task #:	03A	State:	Colorado	Abbreviation:	None
Date:	1/10/2024	County:	La Plata	Filename:	M146-03a
User:	DMC				

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

Basic Machine:	Cat D10T - 10SU
Horsepower:	574
Blade Type:	Semi-Universal
Attachment:	3-shank ripper
Shift Basis:	1 per day
Data Source:	(CRG)

Cost Breakdown:

		<u>Utilization %</u>
Ownership Cost/Hour:	\$178.69	NA
Operating Cost/Hour:	\$160.22	100
Ripper own. Cost/Hour:	\$24.49	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$41.30	NA

Total unit Cost/Hour:	\$404.70
Total Fleet Cost/Hour:	\$809.40

MATERIAL QUANTITIES

Initial Volume:	17,794
Swell factor:	1.000
Loose volume:	17,794 LCY

Source of estimated volume:	Hauled from B3 calculations
Source of estimated swell factor:	Cat Handbook

HOURLY PRODUCTION

Average push distance:	200 feet
Unadjusted hourly production:	946.0 LCY/hr

Materials consistency description: **Loose stockpile 1.2**

Average push gradient:	5 %
Average site altitude:	6,750 feet

Material weight: **2,650 lbs/LCY**Weight description: **Decomposed rock - 25% Rock, 75% Earth**

<u>Job Condition Correction Factor</u>	<u>Source</u>
Operator Skill:	0.750 (AVG.)
Material consistency:	1.200 (CAT HB)
Dozing method:	1.000 (GEN.)
Visibility:	1.000 (AVG.)

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.700	(FND-MF)
Push gradient:	0.903	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.868	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4099

Adjusted unit production: 387.77 LCY/hr

Adjusted fleet production: 775.54 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)

Unit cost: \$1.044/LCY

Total job time: 22.94 Hours

Total job cost: \$18,571

BULLDOZER WORKTask description: **Reduce highwall Dw to 3:1**Site: **Montoya Pit** Permit Action: **2024-01-10 Update** Permit/Job#: **M1980146****PROJECT IDENTIFICATION**

Task #: **04A** State: **Colorado** Abbreviation: **None**
 Date: **1/10/2024** County: **La Plata** Filename: **M146-04a**
 User: **DMC**

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

Basic Machine: **Cat D10T - 10SU**
 Horsepower: **574**
 Blade Type: **Semi-Universal**
 Attachment: **3-shank ripper**
 Shift Basis: **1 per day**
 Data Source: **(CRG)**

Cost Breakdown:

		<u>Utilization %</u>
Ownership Cost/Hour:	\$178.69	NA
Operating Cost/Hour:	\$160.22	100
Ripper own. Cost/Hour:	\$24.49	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$41.30	NA

Total unit Cost/Hour: **\$404.70**
 Total Fleet Cost/Hour: **\$809.40**

MATERIAL QUANTITIES

Initial Volume: **14,734**
 Swell factor: **1.250**
 Loose volume: **18,418 LCY**

Source of estimated volume: **Oper prov,Reduce 1:1 to 3:1 Highwall 1675 LN, avg 30' H**
 Source of estimated swell factor: **Cat Handbook**

HOURLY PRODUCTION

Average push distance: **75 feet**
 Unadjusted hourly production: **2,105.3 LCY/hr**

Materials consistency description: **Compacted fill or embankment 0.9**

Average push gradient: **-5 %**
 Average site altitude: **6,750 feet**

Material weight: **2,650 lbs/LCY**Weight description: **Decomposed rock - 25% Rock, 75% Earth****Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	1.000	(EXCL.)
Material consistency:	0.900	(CAT HB))
Dozing method:	1.100	(50% SL)

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.600	(FND-SF)
Push gradient:	1.115	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.868	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4772

Adjusted unit production: 1,004.65 LCY/hr

Adjusted fleet production: **2009.3** LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)

Unit cost: \$0.403/LCY

Total job time: **9.17** Hours

Total job cost: **\$7,419**

TRUCK/LOADER TEAM WORKTask description: Haul 1/2 material from stockpile to backfill highwall DsSite: Montoya PitPermit Action: 2024-01-10 UpdatePermit/Job#: M1980146**PROJECT IDENTIFICATION**Task #: 05AState: ColoradoAbbreviation: NoneDate: 1/10/2024County: La PlataFilename: M146-05aUser: DMCAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Shift basis: 1 per day

Equipment Description	
Truck Loader Team -Truck:	Cat 773F
-Loader:	CAT 950H
Support Equipment -Load Area:	NA
-Dump Area:	NA
Road Maintenance -Motor Grader:	NA
-Water Truck:	NA

Cost Breakdown:**Truck/Loader Team****Support Equipment****Maintenance Equipment**

	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	NA	NA	NA	NA
Ownership cost/hour:	\$150.99	\$49.32	NA	NA	NA	NA
Operating cost/hour:	\$113.66	\$39.80	NA	NA	NA	NA
%Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	NA	NA	NA	NA
Ripper op. cost/hour:	NA	\$0.00	NA	NA	NA	NA
Operator cost/hour:	\$33.34	\$40.71	NA	NA	NA	NA
Unit Subtotals:	\$297.99	\$129.83	NA	NA	NA	NA
Number of Units:	4	2	0	0	0	0
Group Subtotals:	Work: \$1,451.62		Support: \$0.00		Maint: \$0.00	

Total work team cost/hour: \$1,451.62**MATERIAL QUANTITIES**Initial volume: 28,865

CCY

Swell factor: 1.000Loose volume: 28,865

LCY

Source of estimated volume: 1247 LN, avg 20' H highwall backrill from .5:1 to 3:1=23,093Source of estimated swell factor: Cat HandbookMaterial Purchase Cost: \$0.00Total Cost: \$0.00**HOURLY PRODUCTION****Truck Capacity:**Truck Payload (weight) Basis:Material weight: 2,650

Pounds/LCY

Description: Decomposed rock - 25% Rock, 75% EarthRated Payload: 122,520

Pounds

Payload Capacity: 46.23

LCY

Truck Bed (volume) Basis:

Struck Volume:	35.00	LCY
Heaped Volume:	46.50	LCY
Average Volume:	40.75	LCY
Adjusted Volume:	46.23	LCY

Final Truck Volume Based on Number of Loader Passes: 42.57 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	4.300	LCY (heaped)
Bucket Fill Factor:	1.100	Other - rock/dirt mixtures (100-120%) 1.100
Adjusted Capacity:	4.730	LCY

Job Condition Corrections:

Site Altitude (ft.): 6750 feet

	Truck	Loader	Source
Altitude Adj:	1.000	1.000	(CAT HB)
Job Efficiency:	0.830	0.830	(CAT HB)
Net Correction:	0.830	0.830	

Loading Tool Cycle Time:

Number of Loading Tool Passes Required to Fill Truck: 9 passes

Excavators and Front Shovels:

Machine Cycle Time vs. Job Condition Rating: NA
 Selected Value within this Basic Rating: NA

Track Loaders – Material Description: _____

Cycle Time Elements (min.):

Load: NA Maneuver: NA Dump: 0.100

Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.500 minutes

Cycle Time Factors		Factor (min.)	Source
Material:	Mixed material 0.02	0.020	(Cat HB)
Stockpile:	Conveyor or dozer piled 10 ft. high and up 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 Loader Cycle Time:		0.440	minutes
Net Load Time per Truck:		3.620	minutes

Truck Cycle Time:

Truck Exchange Time:	0.70	Minutes	Adjusted for site altitude:	0.700	Minutes
Truck Load Time:	3.620	Minutes	Adjusted for site altitude:	3.620	Minutes
Truck Maneuver and Dump Time:	1.10	Minutes	Adjusted for site altitude:	1.100	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	400.00	0.00	3.00	3.00	2983	0.697

Haul Time: **0.697** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	400.00	0.00	3.00	3.00	3569	0.325

Return Time: **0.325** minutesTotal Truck Cycle Time: **6.442** minutes

Loading Tool unit
 Production 591.25 LCY/Hour Adjusted for job efficiency: 490.74 LCY/Hour
 Truck Unit Production
396.49 LCY/Hour Adjusted for job efficiency: 329.09 LCY/Hour

Optimal No. of Trucks: 1 Truck(s) Selected Number of Trucks: 2 Truck(s)

Adjusted hourly truck team production: 658.18 LCY/Hour
 Adjusted single truck/loader team production: 490.74 LCY/Hour
 Adjusted multiple truck/loader team production: **981.48** LCY/Hour

JOB TIME AND COSTFleet size: 2 Team(s) Total job time: **29.41** HoursUnit cost: \$1.479 /LCY Total job cost: **\$42,692**

BULLDOZER WORKTask description: **Backfill 1/2 of highwall Ds**Site: **Montoya Pit** Permit Action: **2024-01-10 Update** Permit/Job#: **M1980146****PROJECT IDENTIFICATION**

Task #:	<u>06A</u>	State:	<u>Colorado</u>	Abbreviation:	<u>None</u>
Date:	<u>1/10/2024</u>	County:	<u>La Plata</u>	Filename:	<u>M146-06a</u>
User:	<u>DMC</u>				

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

Basic Machine:	<u>Cat D10T - 10SU</u>
Horsepower:	<u>574</u>
Blade Type:	<u>Semi-Universal</u>
Attachment:	<u>3-shank ripper</u>
Shift Basis:	<u>1 per day</u>
Data Source:	<u>(CRG)</u>

Cost Breakdown:

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$178.69</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$160.22</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$24.49</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:	<u>\$404.70</u>
Total Fleet Cost/Hour:	<u>\$809.40</u>

MATERIAL QUANTITIES

Initial Volume:	<u>28,865</u>
Swell factor:	<u>1.000</u>
Loose volume:	<u>28,865 LCY</u>

Source of estimated volume:	<u>Division of Reclamation, Mining & Safety</u>
Source of estimated swell factor:	<u>Cat Handbook</u>

HOURLY PRODUCTION

Average push distance:	<u>50 feet</u>
Unadjusted hourly production:	<u>2,748.7 LCY/hr</u>

Materials consistency description: Loose stockpile 1.2

Average push gradient:	<u>5 %</u>
Average site altitude:	<u>6,750 feet</u>

Material weight: 2,650 lbs/LCYWeight description: Decomposed rock - 25% Rock, 75% Earth

<u>Job Condition Correction Factor</u>	<u>Source</u>
Operator Skill:	<u>0.750 (AVG.)</u>
Material consistency:	<u>1.200 (CAT HB)</u>
Dozing method:	<u>1.000 (GEN.)</u>
Visibility:	<u>1.000 (AVG.)</u>

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.700	(FND-MF)
Push gradient:	0.903	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.868	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4099

Adjusted unit production: 1,126.69 LCY/hr

Adjusted fleet production: **2253.38** LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)

Unit cost: \$0.359/LCY

Total job time: **12.81** Hours

Total job cost: **\$10,368**

BULLDOZER WORKTask description: **Reduce top half of Highwall Ds to 3:1**Site: **Montoya Pit**Permit Action: 2024-01-10 UpdatePermit/Job#: M1980146**PROJECT IDENTIFICATION**Task #: 07AState: ColoradoAbbreviation: NoneDate: 1/10/2024County: La PlataFilename: M146-07aUser: DMCAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D10T - 10SUHorsepower: 574Blade Type: Semi-UniversalAttachment: 3-shank ripperShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$178.69	NA
Operating Cost/Hour:	\$160.22	100
Ripper own. Cost/Hour:	\$24.49	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$41.30	NA

Total unit Cost/Hour: \$404.70Total Fleet Cost/Hour: **\$809.40****MATERIAL QUANTITIES**Initial Volume: 28,865Swell factor: 1.250Loose volume: **36,081 LCY**Source of estimated volume: 1/2 of highwall Ds, 1247 LF x 50H=Source of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 60 feetUnadjusted hourly production: 2,551.3 LCY/hrMaterials consistency description: Compacted fill or embankment 0.9Average push gradient: -5 %Average site altitude: 6,750 feetMaterial weight: 2,650 lbs/LCYWeight description: Decomposed rock - 25% Rock, 75% Earth**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	0.900	(CAT HB))
Dozing method:	1.100	(50% SL)
Visibility:	1.000	(AVG.)

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.700	(FND-MF)
Push gradient:	1.115	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.868	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4175

Adjusted unit production: 1,065.17 LCY/hr

Adjusted fleet production: **2130.34** LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)

Unit cost: \$0.380/LCY

Total job time: **16.94** Hours

Total job cost: **\$13,709**

BULLDOZER WORKTask description: **Backfill highwall Ex-S (Expansion Area)**Site: **Montoya Pit**Permit Action: **2024-01-10 Update**Permit/Job#: **M1980146****PROJECT IDENTIFICATION**Task #: **08A**State: **Colorado**Abbreviation: **None**Date: **1/10/2024**County: **La Plata**Filename: **M146-08a**User: **DMC**Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Basic Machine: **Cat D10T - 10SU**Horsepower: **574**Blade Type: **Semi-Universal**Attachment: **3-shank ripper**Shift Basis: **1 per day**Data Source: **(CRG)****Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$178.69	NA
Operating Cost/Hour:	\$160.22	100
Ripper own. Cost/Hour:	\$24.49	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$41.30	NA

Total unit Cost/Hour: **\$404.70**Total Fleet Cost/Hour: **\$809.40****MATERIAL QUANTITIES**Initial Volume: **17,167**Swell factor: **1.250**Loose volume: **21,459 LCY**Source of estimated volume: **Oper. Prov. Highwall max at 515 LN x 30'H,BF .5:1 to 3:1**Source of estimated swell factor: **Cat Handbook****HOURLY PRODUCTION**Average push distance: **100 feet**Unadjusted hourly production: **1,718.9 LCY/hr**Materials consistency description: **Partly consolidated stockpile 1.1**Average push gradient: **5 %**Average site altitude: **6,750 feet**Material weight: **2,650 lbs/LCY**Weight description: **Decomposed rock - 25% Rock, 75% Earth****Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	1.100	(CAT HB)
Dozing method:	1.000	(GEN.)

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.700	(FND-MF)
Push gradient:	0.903	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.868	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3757

Adjusted unit production: 645.79 LCY/hr

Adjusted fleet production: **1291.58 LCY/hr**

JOB TIME AND COST

Fleet size: 2 Dozer(s)

Unit cost: \$0.627/LCY

Total job time: **16.61 Hours**

Total job cost: **\$13,448**

BULLDOZER WORKTask description: **Backfill Highwall EX-N (Expansion Area)**Site: **Montoya Pit**Permit Action: **2024-01-10 Update**Permit/Job#: **M1980146****PROJECT IDENTIFICATION**Task #: **09A**State: **Colorado**Abbreviation: **None**Date: **1/10/2024**County: **La Plata**Filename: **M146-09a**User: **DMC**Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Basic Machine: **Cat D10T - 10SU**Horsepower: **574**Blade Type: **Semi-Universal**Attachment: **3-shank ripper**Shift Basis: **1 per day**Data Source: **(CRG)****Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$178.69	NA
Operating Cost/Hour:	\$160.22	100
Ripper own. Cost/Hour:	\$24.49	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$41.30	NA

Total unit Cost/Hour: **\$404.70**Total Fleet Cost/Hour: **\$809.40****MATERIAL QUANTITIES**Initial Volume: **8,667**Swell factor: **1.000**Loose volume: **8,667 LCY**Source of estimated volume: **Oper. Prov., Highwall 260 LN x30'H, BF .5:1 to 3:1**Source of estimated swell factor: **Cat Handbook****HOURLY PRODUCTION**Average push distance: **100 feet**Unadjusted hourly production: **1,718.9 LCY/hr**Materials consistency description: **Partly consolidated stockpile 1.1**Average push gradient: **5 %**Average site altitude: **6,750 feet**Material weight: **2,650 lbs/LCY**Weight description: **Decomposed rock - 25% Rock, 75% Earth****Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	1.000	(EXCL.)
Material consistency:	1.100	(CAT HB)
Dozing method:	1.000	(GEN.)
Visibility:	1.000	(AVG.)

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.700	(FND-MF)
Push gradient:	0.903	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.868	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.5009

Adjusted unit production: 861.00 LCY/hr

Adjusted fleet production: 1722 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)

Unit cost: \$0.470/LCY

Total job time: 5.03 Hours

Total job cost: \$4,074

BULLDOZER RIPPING WORK

Task description: Rip all pit floors, compacted areas new and expansion area

Site: Montoya Pit Permit Action: 2024-01-10 Update Permit/Job#: M1980146

PROJECT IDENTIFICATION

Task #: 10A State: Colorado Abbreviation: None
Date: 1/10/2024 County: La Plata Filename: M146-10a
User: DMC

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D9T - 9SU Horsepower: 405
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	\$238.76	NA
Operating Cost/Hour:	\$162.29	100
Ripper Ownership Cost/Hour:	\$18.32	NA
Ripper Operating Cost/Hour:	\$8.98	100
Operator Cost/Hour:	\$41.30	NA
Total Unit Cost/Hour:	\$469.65	
Total Fleet Cost/Hour:	\$939.30	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 49.30 acres Rip Depth (ft): 1.50 Volume: 119,306 BCY or CCY

Source of estimated quantity: Operator Provided, DRMS verified

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth: 2.63 feet/pass
Average Ripping Width: 7.67 feet/pass
Average Ripping Length: 500.00 feet/pass
Average Dozer Speed: 88.00 feet/minute
Average Maneuver Time: 0.25 minutes/pass
Production per unit area: 0.891 acres/hour

Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.891 Acres/hr
Site Altitude: 6,750 feet
Altitude Adj: 1.00 (CAT HB)
Job Efficiency: 0.83 (1 shift/day)
Net Correction: 0.83 multiplier
Adjusted Hourly Unit Production: 0.74 Acres/hr
Adjusted Hourly Fleet Production: 1.48 Acres/hr

JOB TIME AND COST

Fleet size: 2 Grader(s) Total job time: 33.35 Hours

Unit cost: \$635.412 Per acre Total job cost: \$31,326

TRUCK/LOADER TEAM WORKTask description: Distribute topsoil to all disturbed acres that will reveg.Site: Montoya PitPermit Action: 2024-01-10 UpdatePermit/Job#: M1980146PROJECT IDENTIFICATIONTask #: 11AState: ColoradoAbbreviation: NoneDate: 1/10/2024County: La PlataFilename: M146-11aUser: DMCAgency or organization name: DRMSHOURLY EQUIPMENT COSTShift basis: 1 per day

Equipment Description	
Truck Loader Team -Truck:	Cat 773F
-Loader:	CAT 950H
Support Equipment -Load Area:	NA
-Dump Area:	NA
Road Maintenance –Motor Grader:	NA
-Water Truck:	NA

Cost Breakdown:

Truck/Loader Team

Support Equipment

Maintenance Equipment

	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	NA	NA	NA	NA
Ownership cost/hour:	\$150.99	\$49.32	NA	NA	NA	NA
Operating cost/hour:	\$113.66	\$39.80	NA	NA	NA	NA
%Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	NA	NA	NA	NA
Ripper op. cost/hour:	NA	\$0.00	NA	NA	NA	NA
Operator cost/hour:	\$33.34	\$40.71	NA	NA	NA	NA
Unit Subtotals:	\$297.99	\$129.83	NA	NA	NA	NA
Number of Units:	4	2	0	0	0	0
Group Subtotals:	Work: \$1,451.62		Support: \$0.00		Maint: \$0.00	

Total work team cost/hour: \$1,451.62MATERIAL QUANTITIESInitial volume: 33,073

CCY

Swell factor: 1.215Loose volume: 40,184

LCY

Source of estimated volume: 31.8 Ac of existing BLM+1/2 18.3 Exp. Area. 6"Source of estimated swell factor: Cat HandbookMaterial Purchase Cost: \$0.00Total Cost: \$0.00HOURLY PRODUCTIONTruck Capacity:Truck Payload (weight) Basis:Material weight: 1,600

Pounds/LCY

Description: Top SoilRated Payload: 122,520

Pounds

Payload Capacity: 76.58

LCY

Truck Bed (volume) Basis:

Struck Volume:	35.00	LCY
Heaped Volume:	46.50	LCY
Average Volume:	40.75	LCY
Adjusted Volume:	46.50	LCY

Final Truck Volume Based on Number of Loader Passes: 45.15 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	4.300	LCY (heaped)
Bucket Fill Factor:	1.050	Other - moist loam (100-110%) 1.050
Adjusted Capacity:	4.515	LCY

Job Condition Corrections:

Site Altitude (ft.): 6750 feet

	Truck	Loader	Source
Altitude Adj:	1.000	1.000	(CAT HB)
Job Efficiency:	0.830	0.830	(CAT HB)
Net Correction:	0.830	0.830	

Loading Tool Cycle Time: Number of Loading Tool Passes Required to Fill Truck: 10 passes

Excavators and Front Shovels:

Machine Cycle Time vs. Job Condition Rating: NA
 Selected Value within this Basic Rating: NA

Track Loaders – Material Description: _____

Cycle Time Elements (min.):

Load: NA Maneuver: NA Dump: 0.100

Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.500 minutes

Cycle Time Factors		Factor (min.)	Source
Material:	No adjustment - factor not applicable 0.00	0.000	(Cat HB)
Stockpile:	Conveyor or dozer piled 10 ft. high and up 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:		-0.080	minutes
Adjusted Loader Cycle Time:		0.420	minutes
Net Load Time per Truck:		3.880	minutes

Truck Cycle Time:

Truck Exchange Time:	0.70	Minutes	Adjusted for site altitude:	0.700	Minutes
Truck Load Time:	3.880	Minutes	Adjusted for site altitude:	3.880	Minutes
Truck Maneuver and Dump Time:	1.10	Minutes	Adjusted for site altitude:	1.100	Minutes

Truck Travel (Haul & Return) Time:
penetration 4.0

Road Condition: Rutted dirt, little maintenance, no water, 1" tire

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	1000.00	3.00	4.00	7.00	1244	0.898

Haul Time: **0.898** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	1000.00	-3.00	4.00	1.00	3569	0.442

Return Time: **0.442** minutesTotal Truck Cycle Time: **7.020** minutes

Loading Tool unit
 Production 591.48 LCY/Hour Adjusted for job efficiency: 490.93 LCY/Hour
 Truck Unit Production
385.90 LCY/Hour Adjusted for job efficiency: 320.29 LCY/Hour
 Optimal No. of Trucks: 2 Truck(s) Selected Number of Trucks: 2 Truck(s)

Adjusted hourly truck team production: 640.59 LCY/Hour
 Adjusted single truck/loader team production: 490.93 LCY/Hour
 Adjusted multiple truck/loader team production: **981.86** LCY/Hour

JOB TIME AND COSTFleet size: 2 Team(s) Total job time: **40.93** HoursUnit cost: \$1.478 /LCY Total job cost: **\$59,409**

BULLDOZER WORKTask description: Spread topsoil on areas to be revegetatedSite: Montoya Pit Permit Action: 2024-01-10 Update Permit/Job#: M1980146**PROJECT IDENTIFICATION**

Task #: 12A State: Colorado Abbreviation: None
 Date: 1/10/2024 County: La Plata Filename: M146-12a
 User: DMC

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

Basic Machine: Cat D10T - 10SU
 Horsepower: 574
 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>\$178.69</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$160.22</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$24.49</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: \$404.70
 Total Fleet Cost/Hour: **\$809.40**

MATERIAL QUANTITIES

Initial Volume: 48,803
 Swell factor: 1.000
 Loose volume: **48,803** LCY

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

HOURLY PRODUCTION

Average push distance: 75 feet
 Unadjusted hourly production: 2,105.3 LCY/hr

Materials consistency description: Loose stockpile 1.2

Average push gradient: 0 %
 Average site altitude: 6,750 feet

Material weight: 1,600 lbs/LCYWeight description: Top Soil

<u>Job Condition Correction Factor</u>	<u>Source</u>
Operator Skill: <u>0.750</u>	<u>(AVG.)</u>
Material consistency: <u>1.200</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:	0.700	(FND-MF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.7519

Adjusted unit production: 1,582.98 LCY/hr

Adjusted fleet production: **3165.96** LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)

Unit cost: \$0.256/LCY

Total job time: **15.41** Hours

Total job cost: **\$12,477**

REVEGETATION WORKTask description: 55.6 ac old BLM and 1/2 exp. w/second seeding and weed mgmtSite: Montoya PitPermit Action: 2024-01-10 UpdatePermit/Job#: M1980146PROJECT IDENTIFICATIONTask #: 13AState: ColoradoAbbreviation: NoneDate: 1/10/2024County: La PlataFilename: M146-13aUser: DMCAgency or organization name: DRMSFERTILIZING**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)	\$112.82
Total Tilling Cost/Acre	\$112.82

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Bitterbrush, Antelope	2.00	0.62	\$39.00
Indian Ricegrass - Native	2.00	6.47	\$13.00
Chokecherry	2.00	0.14	\$58.00
Western Wheatgrass - Arriba	4.00	10.10	\$26.00
Sagebrush, Mountain or Big	0.15	7.92	\$2.96
Flax, Lewis Blue	0.15	1.00	\$2.48
Yarrow, White	1.00	63.59	\$40.00
Totals Seed Mix	11.30	89.83	\$181.44

Application

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

MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$429.79	\$859.57
Total Mulch Materials Cost/Acre				\$859.57

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$74.46
Weed spray, hand, non-aquatic area, nox. [DMG]	\$183.16
Total Mulch Application Cost/Acre	\$257.62

NURSERY STOCK PLANTING

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

JOB TIME AND COST

No. of Acres: 46.5 Cost /Acre: \$1,643.45
 Estimated Failure Rate: 20% Cost /Acre*: \$1,643.45
 *Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: **\$76,420.43**
 Reseeding Job Cost: **\$15,284.09**
 Total Job Cost: **\$91,705**
 Job Hours: **16.00**

REVEGETATION WORKTask description: Second seeding onBLM +Private w/weed mgmtSite: Montoya PitPermit Action: 2024-01-10 UpdatePermit/Job#: M1980146**PROJECT IDENTIFICATION**Task #: 14AState: ColoradoAbbreviation: NoneDate: 1/10/2024County: La PlataFilename: M146-14aUser: DMCAgency or organization name: DRMS**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)	\$112.82
Total Tilling Cost/Acre	\$112.82

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Bitterbrush, Antelope	2.00	0.62	\$39.00
Indian Ricegrass - Native	2.00	6.47	\$13.00
Chokecherry	2.00	0.14	\$58.00
Western Wheatgrass - Arriba	4.00	10.10	\$26.00
Sagebrush, Mountain or Big	0.15	7.92	\$2.96
Flax, Lewis Blue	0.15	1.00	\$2.48
Yarrow, White	1.00	63.59	\$40.00
Totals Seed Mix	11.30	89.83	\$181.44

Application

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

MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$429.79	\$859.57
Total Mulch Materials Cost/Acre				\$859.57

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$74.46
Weed spray, hand, non-aquatic area, nox. [DMG]	\$183.16
Total Mulch Application Cost/Acre	\$257.62

NURSERY STOCK PLANTING

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

JOB TIME AND COST

No. of Acres: 19.6 Cost /Acre: \$1,643.45
 Estimated Failure Rate: 20% Cost /Acre*: \$0.00
 *Selected Replanting Work Items: NONE

Initial Job Cost: **\$32,211.62**
 Reseeding Job Cost: **\$0.00**
 Total Job Cost: **\$32,212**
 Job Hours: **16.00**

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Mobilization**Site: **Montoya Pit**Permit Action: **2024-01-10 Update**Permit/Job#: **M1980146****PROJECT IDENTIFICATION**

Task #: **15A** State: **Colorado** Abbreviation: **None**
 Date: **1/10/2024** County: **La Plata** Filename: **M146-15a**
 User: **DMC**

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:**

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 D10T - 10SU	93.31	\$203.18	\$175.95	2	\$758.26	\$351.90	\$500.00
CAT 950H	20.13	\$49.32	\$82.29	1	\$131.61	\$82.29	\$250.00
Cat 773F	49.74	\$150.99	\$158.17	4	\$1,236.64	\$632.68	\$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: **\$2,323.76** **\$1,231.45** **\$1,500.00****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.	\$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:	<u>DURANGO</u>	
Total one-way travel distance:	<u>3.00</u>	miles
Average Travel Speed:	<u>45.00</u>	mph

Total Non-Roadable Mob/Demob Cost *	<u>\$12,769.07</u>
** two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	<u>\$2.11</u>
** one round trip, no haul rig:	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	<u>0.07</u>	<u>0.07</u>
Return Time (Hours):	<u>0.07</u>	<u>0.07</u>
Loading Time (Hours):	<u>1.00</u>	<u>NA</u>
Unloading Time (Hours):	<u>1.00</u>	<u>NA</u>
Subtotals:	<u>2.13</u>	<u>0.13</u>

JOB TIME AND COST

Total job time:	<u>4.27</u>	Hours
-----------------	-------------	-------

Total job cost:	<u>\$12,771</u>
-----------------	-----------------

DEMOLITION WORK

Task description: Removal of fencing

Site: Montoya Pit

Permit Action: 2024-01-10 Update

Permit/Job#: M1980146

PROJECT IDENTIFICATION

Task #: 16A

State: Colorado

Abbreviation: None

Date: 1/10/2024

County: La Plata

Filename: M146-16a

User: DMC

Agency or organization name: DRMS

UNIT COSTS

Location adjustment: 93.10 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Wildlife friendly fencing between skills area and mining area	1440 LN	Fencing, barbed wire, - 3 strand	1,440.00	LF	\$1.76	\$2,534.40

Job Hours: 6.00

Subtotal
(unadjusted): \$2,534.40

Total Cost
(adjusted for location): \$2,359.53