

## COST SUMMARY WORK

Task description: 2025 Update

Site: Munroe Gypsum Quarry Permit Action: TR4 Permit/Job#: M1977002HR

### PROJECT IDENTIFICATION

Task #: 000 State: Colorado Abbreviation: None  
Date: 8/21/2025 County: Larimer Filename: TR4  
User: JR2

Agency or organization name: DRMS

### TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Highwall blasting	BLASTING	1	49.85	\$46,285
002	Reducing highwall	DOZER	2	16.99	\$17,035
003	Ripping pit floor	RIPPER	2	10.56	\$10,700
004	Rough grading	SITEMAINT ENANCE	1	0.00	\$1,013
005	Topsoil application	SCRAPER1	1	13.16	\$26,906
006	Reveg backfilled and pit area	REVEGE	1	9.00	\$22,323
007	39 holes, 3 ft betonite per hole	BOREHOLE	1	14.00	\$1,369
008	Mobilize equipment to site	MOBILIZE	1	8.50	\$23,684
<b><u>SUBTOTALS:</u></b>				<b>122.06</b>	<b>\$149,315</b>

### INDIRECT COSTS

#### OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$3,016
Performance bond:	1.05	Total =	\$1,568
Job superintendent:	61.03	Total =	\$4,585
Profit:	10.00	Total =	\$14,932
		TOTAL O & P =	\$24,101
		CONTRACT AMOUNT (direct + O & P) =	\$173,416

#### LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	\$500	Total =	\$500
Engineering work and/or contract/bid preparation:	4.25	Total =	\$7,370
Reclamation management and/or administration:	5.00		\$8,671

CONTINGENCY: 0.00 Total = \$0

TOTAL INDIRECT COST = \$40,642

**TOTAL BOND AMOUNT (direct + indirect) = \$189,957**

**SURFACE BLASTING WORK**Task description: **Highwall blasting**Site: **Munroe Gypsum Quarry**Permit Action: **TR4**Permit/Job#: **M1977002HR****PROJECT IDENTIFICATION**Task #: **001**State: **Colorado**Abbreviation: **None**Date: **8/21/2025**County: **Larimer**Filename: **TR4**User: **JR2**Agency or organization name: **DRMS****BLAST AREA DIMENSIONS**

	QUANTITY	UNIT
Blast Area Configuration:	Wedge-shaped mass (highwall reduction using balanced cut/fill)	
Blasting Method Description:	Conventional surface blast (fragmentation only)	
Highwall or Bench Face Angle:	0.50	h:lv
Regraded Slope Angle:	3.00	h:lv
Highwall or Bench Length:	500	feet
Highwall or Bench Width:	88	feet
Highwall or Bench Height:	70.0	feet
Depth to Base of Cut at Highwall:	29.2	feet

**BLAST AREA VOLUMES**

	QUANTITY	UNIT
Total Volume of Dimensional Mass to be Shot:	19,737	cubic yards
Blast Volume to Subdrill Grade and Blast Pattern Lines:	20,891	cubic yards
Blast Volume to Finish Grade and Blast Pattern Lines:	16,199	cubic yards
Remaining Volume Required to be Re-Shot or Ripped:	3,538	cubic yards

**BLAST AREA DESIGN**

	QUANTITY	UNIT
Recommended Blasthole Diameter:	4.293	inches
Selected Blasthole Diameter:	7.000	inches
Subdrilling Allowance:	4.5	feet
Blasthole Depth:	21.3	feet
Density of Rock:	Average Density Rock (ANFO Basis)	rock density
Burden to Charge Diameter Ratio:	25	times diameter
Burden:	15.0	feet
Spacing to Burden Ratio:	1.5	times burden
Spacing:	23.0	feet
Cubic Yards of Rock per Blasthole:	248.71	cubic yards
Powder Factor Description:	Medium	rock strength
Powder Factor:	0.575	pounds/cu. yd.
Density of Blasting Agent:	0.85	grams/cc
Quantity of Explosives per Blasthole:	143.01	POUNDS
Height of Powder Column:	10.08	feet
Height of Stemming per Blasthole:	11.25	feet
Stemming to Burden Ratio:	0.75	times burden
Quantity of Stemming per Blasthole:	0.1114	cubic yards
Number of Rows:	4	rows
Number of Blastholes per Row:	21	holes per row
Total Number of Blastholes:	84	holes
Total Length of all Blastholes:	1,792	feet

**BLASTING MATERIALS QUANTITIES**

	QUANTITY	UNIT
Total Quantity of Stemming Required:	9.35	cubic yards
Total Quantity of Explosives Required:	12,013	pounds
Total Quantity of det. cord/fuse/wire Required:	4,162	linear feet
Quantity of Blasting Caps per Blasthole:	1	cap(s)
Total Quantity of Blasting Caps Required:	84	caps
Quantity of Primers per Blasthole:	0	primer(s)
Total Quantity of Primers Required:	0	primers
Quantity of Delays per Blasthole:	1	delay(s)
Total Quantity of Delays Required:	88	delays

**HOURLY EQUIPMENT COST**Shift basis: 1 per day

	Description
Drilling Equipment - Drill:	SCHRAMM T450WS
-Drill Pad Preparation:	Cat D9T - 9SU
Misc. Drill Support Equipment:	NA
Misc. Explosives Support Equipment:	NA
Explosives Delivery -Bulk Truck:	Fuel Tanker, 6x4, 210 HP
-Cap Truck:	NA

<b><u>Cost Breakdown:</u></b>	Drilling Equipment	Drill Pad Preparation	Misc. Drill Support	Misc. Expl. Support	Explosives Delivery	
	Drilling	Dozer			MiscTruck	Cap Truck
%Utilization-machine:	100	20	NA	NA	20	NA
Ownership cost/hour:	\$292.59	\$275.01	NA	NA	\$17.97	NA
Operating cost/hour:	\$200.89	\$32.37	NA	NA	\$7.01	NA
%Utilization-ripper:	NA	10	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$19.59	NA	NA	\$0.00	NA
Ripper op. cost/hour:	NA	\$1.07	NA	NA	\$0.00	NA
Operator cost/hour:	\$65.73	\$39.46	NA	NA	\$65.73	NA
Unit Subtotals:	\$559.21	\$367.50	\$0.00	\$0.00	\$90.71	\$0.00
Number of Units:	1	1	0	0	1	0
Group Subtotals:	\$559.21	\$367.50	\$0.00	\$0.00	\$90.71	\$0.00

Total work team cost/hour: **\$1,017.42****MATERIALS COST**

	Description	Unit	Unit Cost	Quantity	Total Cost
Blasting Agent:	Bulk ANFO nom. density ( 7,900-15,000 fps )	Pound	\$0.820	12012.535	\$9,850.28
Primers or Boosters:	Cast primer, 0.3 lb (electric or non-electric system)	Each	\$11.880	0.000	\$0.00
Blasting Caps:	Non-electric cap, inst. (non-electric systems)	Each	\$6.400	84.000	\$537.60
Det. Cord, fuse, or wire:	NO DET. CORD/FUSE/WIRE REQUIRED	NA	\$0.000	4162.400	\$0.00
Delays:	MS connectors (non-electric systems)	Each	\$9.108	88.000	\$801.50
Miscellaneous:	NO MISCELLANEOUS MATERIALS REQUIRED	NA	\$0.000	0.000	\$0.00
Drill bits:	Bit life = 1,750	Linear feet	\$1,825.64	1.024	\$1,869.46

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**Total Materials Cost:      \$13,058.84**

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**DRILLING AND EXPLOSIVES PREPARATION TIME**

Total Drilling Length:	1,792	linear feet
Unadjusted Drilling Rate:	82.00	feet/hour
Drilling Time:	34.33	hours

**Job Condition Corrections:**

Site Altitude:	6,100	feet
Altitude Adjustment:	0.95	(DRMS est.)
Job Efficiency Factor:	0.67	(CH. Exc. HB)
Adjusted Drilling Rate:	<b>52.19</b>	feet/hour
Explosives Prep. Time:	15.52	hours

**JOB TIME AND COST**

	Total Job Time:	<b>49.86</b>	Hours
Unit cost:      \$2.216      per cu. yd.	Total Job Cost:	<b>\$46,285</b>	

**BULLDOZER WORK**Task description: Reducing highwallSite: Munroe Gypsum QuarryPermit Action: TR4Permit/Job#: M1977002HR**PROJECT IDENTIFICATION**Task #: 002State: ColoradoAbbreviation: NoneDate: 8/21/2025County: LarimerFilename: TR4User: JR2Agency or organization name: DRMS**HOURLY EQUIPMENT COST**

Basic Machine: Cat D9T - 9SU  
 Horsepower: 405  
 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>\$275.01</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$161.84</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$19.59</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$5.35</u>	<u>50</u>
Operator Cost/Hour:	<u>\$39.46</u>	<u>NA</u>

Total unit Cost/Hour: \$501.24  
 Total Fleet Cost/Hour: \$1,002.49

**MATERIAL QUANTITIES**

Initial Volume: 27,569  
 Swell factor: 1.165  
 Loose volume: 32,118 LCY

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

**HOURLY PRODUCTION**

Average push distance: 105 feet  
 Unadjusted hourly production: 1,205.7 LCY/hr

Materials consistency description: Rock, avg. ripped or blasted 0.7

Average push gradient: -20 %  
 Average site altitude: 6,000 feet

Material weight: 2,100 lbs/LCYWeight description: Shale**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	<u>0.900</u>	<u>(AB.AVG.)</u>
Material consistency:	<u>0.700</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.200</u>	<u>(S-BY-S)</u>
Visibility:	<u>1.000</u>	<u>(AVG.)</u>

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.426	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.095	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.7838

Adjusted unit production: 945.03 LCY/hr

Adjusted fleet production: **1890.06** LCY/hr

### **JOB TIME AND COST**

Fleet size: 2 Dozer(s)

Unit cost: \$0.530/LCY

Total job time: **16.99** Hours

Total job cost: **\$17,035**

## BULLDOZER RIPPING WORK

Task description: Ripping pit floor

Site: Munroe Gypsum Quarry Permit Action: TR4 Permit/Job#: M1977002HR

### PROJECT IDENTIFICATION

Task #: 003 State: Colorado Abbreviation: None  
Date: 8/21/2025 County: Larimer Filename: TR4  
User: JR2

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:	\$275.01	NA
Operating Cost/Hour:	\$161.84	100
Ripper Ownership Cost/Hour:	\$19.59	NA
Ripper Operating Cost/Hour:	\$10.69	100
Operator Cost/Hour:	\$39.46	NA
Total Unit Cost/Hour:	\$506.59	
Total Fleet Cost/Hour:	<b>\$1,013.18</b>	

### MATERIAL QUANTITIES

Selected estimating method: Area

#### Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA  
Area: 15.00 acres Rip Depth (ft): 1.00 Volume: 24,200 BCY or CCY

Source of estimated quantity: Depth calculated based on values provided in cost estimation

### 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: 254.00 feet/pass  
Average Dozer Speed: 88.00 feet/minute  
Average Maneuver Time: 0.25 minutes/pass  
Production per unit area: 0.856 acres/hour

#### Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.856 Acres/hr  
Site Altitude: 6,000 feet  
Altitude Adj: 1.00 (CAT HB)  
Job Efficiency: 0.83 (1 shift/day)  
Net Correction: 0.83 multiplier  
Adjusted Hourly Unit Production: 0.71 Acres/hr  
Adjusted Hourly Fleet Production: 1.42 Acres/hr

### JOB TIME AND COST

Fleet size: 2 Grader(s) Total job time: 10.56 Hours  
Unit cost: \$713.366 Per acre Total job cost: \$10,700

SITE MAINTENANCE

Task description: **Rough grading**

Site: **Munroe Gypsum Quarry** Permit Action: TR4 Permit/Job#: M1977002HR

**PROJECT IDENTIFICATION**

Task #: 004 State: Colorado Abbreviation: None  
Date: 8/21/2025 County: Larimer Filename: TR4  
User: JR2

Agency or organization name: DRMS

**UNIT COSTS**

Maintenance Item	Hours per Year	Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Grading	7.00	Cat D9T - 9SU	2.00	EA	\$506.59	\$1,013.18

**Job Hours:** **0.00**

**Total Cost:** **\$1,013.18**



**SCRAPER TEAM WORK**Task description: Topsoil applicationSite: Munroe Gypsum QuarryPermit Action: TR4Permit/Job#: M1977002HR**PROJECT IDENTIFICATION**Task #: 005State: ColoradoAbbreviation: NoneDate: 8/21/2025County: LarimerFilename: TR4User: JR2Agency or organization name: DRMS**HOURLY EQUIPMENT**COSTShift basis: 1 per day

	Equipment Description
-Scraper:	Cat 637G w/push-pull
-Dozer:	Cat D9T - 9SU
Support Equipment -Load Area:	NA
-Dump Area:	NA
Road Maintenance -Motor Grader:	CAT 14M
-Water Truck:	Water Tanker, 7,000 Gal.

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

	Scraper	Dozer	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	55	NA	NA	30	25
Ownership cost/hour:	\$285.51	\$275.01	NA	NA	\$101.88	\$75.70
Operating cost/hour:	\$313.00	\$89.01	NA	NA	\$21.95	\$19.69
%Utilization-ripper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$19.59	NA	NA	\$0.00	\$0.00
Ripper op. cost/hour:	NA	\$0.00	NA	NA	\$0.00	\$0.00
Operator cost/hour:	\$59.78	\$39.46	NA	NA	\$58.07	\$27.87
Unit Subtotals:	\$658.29	\$423.07	NA	NA	\$181.90	\$123.26
Number of Units:	2	1	0	0	1	1
Group Subtotals:	Work:	\$1,739.65	Support:	\$0.00	Maint:	\$305.16

Total work team cost/hour: \$2,044.81**MATERIAL QUANTITIES**Initial volume: 10,358 CCYSwell factor: 1.215Loose volume: 12,585 LCYSource of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION****Scraper Bowl (volume) Basis:**

Material weight: 1,600 lbs/LCY  
 Material description: Top Soil  
 Rated Payload: 81,600 pounds  
 Payload Capacity: 51.00 LCY

Struck Volume: 24.00 LCY  
 Heaped Volume: 34.00 LCY  
 Average Volume: 29.00 LCY  
 Adjusted Capacity: 29.00 LCY

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

Site Altitude: 6000 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: Hard, smooth, stabilized, surfaced, watered, maintained 2.0Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	210.00	15.00	2.00	17.00	542	0.39
2	790.00	0.00	2.00	2.00	2939	0.44

Haul Time: 0.83 minutesReturn Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	790.00	0.00	2.00	2.00	2960	0.40
2	210.00	-15.00	2.00	-13.00	1628	0.19

Return Time: 0.59 minutesTotal Scraper team cycle time: 3.02 minutesAdjusted for job conditions: 956.42 LCY/HourSelected Number of Scrapers: 2 Scraper(s)Adjusted single scraper team (unit) hourly production: 956.42 LCY/HourAdjusted multiple scraper team (fleet) hourly production: 956.42 LCY/HourUnadjusted unit production/hour: 1,152.32 LCY/Hour

Optimal Number of Scrapers per push dozer: \_\_\_\_\_

**JOB TIME AND COST**Fleet size: 1 Team(s)Total job time: 13.16 HoursUnit cost: \$2.138 /LCYTotal job cost: \$26,906

REVEGETATION WORKTask description: Reveg backfilled and pit areaSite: Munroe Gypsum QuarryPermit Action: TR4Permit/Job#: M1977002HRPROJECT IDENTIFICATIONTask #: 006State: ColoradoAbbreviation: NoneDate: 8/21/2025County: LarimerFilename: TR4User: JR2Agency or organization name: DRMSFERTILIZING**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)	\$114.13
<b>Total Tilling Cost/Acre</b>	<b>\$114.13</b>

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Blue Grama - Hachita	0.25	4.08	\$7.33
Indian Ricegrass - Native	1.60	5.18	\$28.33
Little Bluestem - Native	0.88	5.22	\$13.79
Oats - Ajay	4.50	1.34	\$2.97
Mahogany, Mountain	0.25	0.34	\$25.84
Western Wheatgrass - Arriba	2.00	5.05	\$18.50
<b>Totals Seed Mix</b>	<b>9.48</b>	<b>21.21</b>	<b>\$96.76</b>

**Application**

Description	Cost /Acre
Broadcast seeding [DMG]	\$279.08
<b>Total Seed Application Cost/Acre</b>	<b>\$279.08</b>

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

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Hay, delivered	1.00	TON	\$504.56	\$504.56
<b>Total Mulch Materials Cost/Acre</b>				<b>\$504.56</b>

**Application**

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$239.35
Power mulcher (MEANS 32 91 13.16 0350)	\$141.57
<b>Total Mulch Application Cost/Acre</b>	<b>\$380.92</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:	15	Cost /Acre:	\$1,375.45
Estimated Failure Rate:	30%	Cost /Acre*:	\$375.84
*Selected Replanting Work Items:	SEEDING		
Initial Job Cost:	\$20,631.75		
Reseeding Job Cost:	\$1,691.28		
Total Job Cost:	\$22,323		
Job Hours:	9.00		

## BOREHOLE SEALING WORK

Task description: 39 holes, 3 ft bentonite per hole

Site: Munroe Gypsum Quarry

Permit Action: TR4

Permit/Job#: M1977002HR

### PROJECT IDENTIFICATION

Task #: 007

State: Colorado

Abbreviation: None

Date: 8/21/2025

County: Larimer

Filename: TR4

User: JR2

Agency or organization name: DRMS

### UNIT COSTS

Borehole Description	Sealing/Item Method	Diameter	Length	Quantity	Unit	Unit Cost	Total Cost
Fill 117 LF with bentonite	Bentonite seal - 4 in. (labor, equip, materials)	4	117	117.00	LF	\$9.09	\$1,062.95
Backfill with cuttings	General laborer - Colorado (total incl. fringes, empl. burden)	NA	NA	13.00	HR	\$23.53	\$305.89

Job Hours: 14.00

Total Cost: \$1,369.00

**EQUIPMENT MOBILIZATION/DEMOBILIZATION**Task description: Mobilize equipment to siteSite: Munroe Gypsum QuarryPermit Action: TR4Permit/Job#: M1977002HR**PROJECT IDENTIFICATION**

Task #: 008 State: Colorado Abbreviation: None  
 Date: 8/21/2025 County: Larimer Filename: TR4  
 User: JR2

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:	\$21.47	\$38.32	\$48.96
Operating Cost/Hour:	\$31.47	\$60.11	\$65.86
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52
Helper Cost/Hour:	\$0.00	\$22.25	\$22.25
Total Unit Cost/Hour:	\$75.46	\$143.20	\$159.59

**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 D9T - 9SU	66.13	\$294.60	\$159.59	2	\$908.38	\$319.18	\$250.00
Cat 637G w/push-pull	59.59	\$285.51	\$159.59	2	\$890.20	\$319.18	\$250.00
CAT 14M	23.57	\$101.88	\$75.46	1	\$177.34	\$75.46	\$250.00
Drill/Broadcast Seeder with Tractor	25.00	\$5.99	\$75.46	2	\$162.90	\$150.92	\$250.00
Power Mulcher (Bowie LD-90)	6.00	\$29.91	\$75.46	1	\$105.37	\$75.46	\$250.00
SCHRAMM T450WS	0.00	\$292.59	\$75.46	1	\$368.05	\$75.46	\$250.00

Subtotals: **\$2,612.24** **\$1,015.66** **\$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, 1 T. Crew	\$31.11	1	\$31.11	\$31.11
Fuel Tanker, 6x4, 210 HP	\$78.23	2	\$156.46	\$156.46
Water Tanker, 7,000 Gal.	\$192.79	1	\$192.79	\$192.79

Subtotals:	<b>\$380.36</b>	<b>\$380.36</b>
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**EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region:	<u>FORT COLLINS</u>	
Total one-way travel distance:	<u>25.00</u>	miles
Average Travel Speed:	<u>40.00</u>	mph

Total Non-Roadable Mob/Demob Cost *	<u>\$23,208.32</u>
** two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	<u>\$475.45</u>
** one round trip, no haul rig:	

**Transportation Cycle Time:**

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	<u>0.63</u>	<u>0.63</u>
Return Time (Hours):	<u>0.63</u>	<u>0.63</u>
Loading Time (Hours):	<u>1.50</u>	<u>NA</u>
Unloading Time (Hours):	<u>1.50</u>	<u>NA</u>
Subtotals:	<u>4.25</u>	<u>1.25</u>

**JOB TIME AND COST**

Total job time:	<u>8.50</u>	Hours
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Total job cost:	<u>\$23,684</u>
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