



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

August 10, 2023

Dennis Schneider
Miners Mall, LLC
3143 1/2 Goldeneye Ave.
Grand Junction, CO 81504

Re: Humming Bird Mine - File No. M-2017-035
Miners Mall, LLC
Surety Increase (SI-1)
Surety Increase

Dear Dennis Schneider:

On August 10, 2023 the Division of Reclamation, Mining and Safety increased the current Financial Warranty for this permit to \$5,785.00, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of \$1,059.00.

Please see the July 5, 2023 inspection report for details regarding why this surety increase is required.

The Division ordered amendment of the current Financial Warranty, or submittal of a new Financial Warranty reflecting the increase, within 60 days from the date of this letter (August 10, 2023).

Please make arrangements with Sara M. Stevenson-Benn at the Division's Denver office for submittal of the financial warranty. Any other questions regarding completion, execution and/or submittal of financial warranty forms should also be directed to Sara M. Stevenson-Benn by telephone at (303) 866-3567 (8148), or by email at Sara.stevenson-benn@state.co.us.

The Permittee for this site may be scheduled for a Formal Board Hearing for possible revocation of the permit after October 9, 2023, if the amount of any increased Financial Warranty has not been provided.

Bond Held:	\$4,726.00
Prior Liability:	\$4,726.00
Change in Liability:	\$1,059.00
Revised Liability:	\$5,785.00
Prior Permit Acreage:	1.00
Change in Permit Acreage:	0.00



Revised Permit Acreage:	1.00
Prior Affected Acreage:	1.00
Change in Affected Acreage:	0.00
Revised Affected Acreage:	1.00

If you have any questions, please contact me by telephone at (303) 866-3567 x 8183, or by email at Amy.yeldell@state.co.us.

Sincerely,

A handwritten signature in blue ink that reads "Amy Yeldell". The signature is written in a cursive, flowing style.

Amy C. Yeldell
Environmental Protection Specialist

COST SUMMARY WORK

Task description: Post inspection inflation update 07-05-2023

Site: Humming Bird Mine

Permit Action: 07-2023

Permit/Job#: M2017035

PROJECT IDENTIFICATION

Task #: ACY

State: Colorado

Abbreviation: None

Date: 7/14/2023

County: Mesa

Filename: M035-ACY

User: ACY

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Ridgetop Project-Place Rock in Pit	EXCAVATE	1	3.97	\$445
01b	Ridgetop Project-Place Waste Dirt/Tailings in Shaft	EXCAVATE	1	3.89	\$435
01c	Ridgetop Project-Place Soil	EXCAVATE	1	3.37	\$378
01d	Ridgetop Project-Remove Safety Fence	DEMOLISH	1	8.00	\$593
01e	Ridgetop Project-Reveg	REVEGE	1	8.00	\$1,029
02a	Connector Project-Grade Rock Material	EXCAVATE	1	2.21	\$247
02b	Connector Project-Grade Soil Material	EXCAVATE	1	1.23	\$138
02c	Connector Project-Reveg	REVEGE	1	1.00	\$429
10a	Initial Mobilization	MOBILIZE	1	3.33	\$932
10b	Secondary Mobilization	MOBILIZE	1	0.66	\$57
<u>SUBTOTALS:</u>				35.66	\$4,683

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02
Performance bond: 1.05
Job superintendent: 0.00
Profit: 10.00

Total = \$95
Total = \$49
Total = \$0
Total = \$468

TOTAL O & P = \$612

CONTRACT AMOUNT (direct + O & P) = \$5,295

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$0
Engineering work and/or contract/bid preparation: 4.25
Reclamation management and/or administration: 5.00

Total = \$0
Total = \$225
Total = \$265

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$1,102

TOTAL BOND AMOUNT (direct + indirect) = \$5,785

HYDRAULIC EXCAVATOR WORK

Task description: Ridgetop Project-Place Rock in Pit

Site: Humming Bird Mine Permit Action: 07-2023 Permit/Job#: M2017035

PROJECT IDENTIFICATION

Task #: 01A State: Colorado Abbreviation: None
Date: 7/14/2023 County: Mesa Filename: M035-01a
User: ACY

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat 307D 7'-3" Stick Horsepower: 56
Attachment 1: ROPS Cab Weight (MT): 7.23
Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$37.88</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$27.05</u>	<u>100</u>
Operator Cost/Hour:	<u>\$46.87</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$111.80</u>	
Total Fleet Cost/Hour:	<u>\$111.80</u>	

MATERIAL QUANTITIES

Initial volume: 225 CCY Swell factor: 1.000
Loose volume: 225 LCY

Source of estimated volume: Rec Plan #19
Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Excavator Cycle Time (load bucket, swing loaded, dump bucket, swing empty):

Basic Job Condition Description: SEVERE
Secondary Job Condition within Basic Description: SEVERE
Cycle Time Value: 0.325 minutes

Load Bucket Capacity

Rated Capacity: 0.40 LCY (heaped) Bucket Size Class: Medium
Bucket Fill Factor: 1.025 Rock - Earth Mixture (100%-105%) 1.025
Adjusted Capacity: 0.41 LCY

Job Condition Correction Factors

Site Altitude: 6100 feet

		Source
Altitude Adj:	<u>0.90</u>	<u>(CAT HB)</u>
Job Efficiency:	<u>0.83</u>	<u>(1 shift/day)</u>
Net Correction:	<u>0.75</u>	<u>multiplier</u>

Unadjusted Hourly Unit Production: 75.69 LCY/Hour
Adjusted Hourly Unit Production: 56.54 LCY/Hour
Adjusted Hourly Fleet Production: 56.54 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Excavator Total job time: 3.98 Hours
Unit cost: \$1.977 /LCY Total job cost: \$445

HYDRAULIC EXCAVATOR WORK

Task description: Ridgetop Project-Place Waste Dirt/Tailings in Shaft

Site: Humming Bird Mine

Permit Action: 07-2023

Permit/Job#: M2017035

PROJECT IDENTIFICATION

Task #: 01B

State: Colorado

Abbreviation: None

Date: 7/14/2023

County: Mesa

Filename: M035-01b

User: ACY

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat 307D 7'-3" Stick

Attachment 1: ROPS Cab

Horsepower: 56

Weight (MT): 7.23

Shift Basis: 1 per day

Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	\$37.88	NA
Operating Cost/Hour:	\$27.05	100
Operator Cost/Hour:	\$46.87	NA
Total Unit Cost/Hour:	\$111.80	
Total Fleet Cost/Hour:	\$111.80	

MATERIAL QUANTITIES

Initial volume: 220

CCY

Swell factor: 1.000

Loose volume: 220

LCY

Source of estimated volume: Rec Plan #19

Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Excavator Cycle Time (load bucket, swing loaded, dump bucket, swing empty):

Basic Job Condition Description: SEVERE

Secondary Job Condition within Basic Description: SEVERE

Cycle Time Value: 0.325 minutes

Load Bucket Capacity

Bucket Size Class: Medium

Rated Capacity: 0.40 LCY (heaped)

Bucket Fill Factor: 1.025 Rock - Earth Mixture (100%-105%) 1.025

Adjusted Capacity: 0.41 LCY

Job Condition Correction Factors

Site Altitude: 6100 feet

Altitude Adj:	0.90	Source (CAT HB)
Job Efficiency:	0.83	(1 shift/day)
Net Correction:	0.75	multiplier

Unadjusted Hourly Unit Production: 75.69 LCY/Hour

Adjusted Hourly Unit Production: 56.54 LCY/Hour

Adjusted Hourly Fleet Production: 56.54 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Excavator Total job time: 3.89 Hours

Unit cost: \$1.977 /LCY Total job cost: \$435

HYDRAULIC EXCAVATOR WORK

Task description: Ridgetop Project-Place Soil

Site: Humming Bird Mine

Permit Action: 07-2023

Permit/Job#: M2017035

PROJECT IDENTIFICATION

Task #: 01C

State: Colorado

Abbreviation: None

Date: 7/14/2023

County: Mesa

Filename: M035-01c

User: ACY

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat 307D 7'-3" Stick

Attachment 1: ROPS Cab

Horsepower: 56

Weight (MT): 7.23

Shift Basis: 1 per day

Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	\$37.88	NA
Operating Cost/Hour:	\$27.05	100
Operator Cost/Hour:	\$46.87	NA
Total Unit Cost/Hour:	\$111.80	
Total Fleet Cost/Hour:	\$111.80	

MATERIAL QUANTITIES

Initial volume: 205

CCY

Swell factor: 1.000

Loose volume: 205

LCY

Source of estimated volume: Rec Plan #19

Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Excavator Cycle Time (load bucket, swing loaded, dump bucket, swing empty):

Basic Job Condition Description: SEVERE

Secondary Job Condition within Basic Description: SEVERE

Cycle Time Value: 0.325 minutes

Load Bucket Capacity

Bucket Size Class: Medium

Rated Capacity: 0.40 LCY (heaped)

Bucket Fill Factor: 1.100 Other - rock/dirt mixtures (100-120%) 1.100

Adjusted Capacity: 0.44 LCY

Job Condition Correction Factors

Site Altitude: 6100 feet

Altitude Adj:	0.90	Source (CAT HB)
Job Efficiency:	0.83	(1 shift/day)
Net Correction:	0.75	multiplier

Unadjusted Hourly Unit Production: 81.23 LCY/Hour

Adjusted Hourly Unit Production: 60.68 LCY/Hour

Adjusted Hourly Fleet Production: 60.68 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Excavator Total job time: 3.38 Hours

Unit cost: \$1.843 /LCY Total job cost: \$378

DEMOLITION WORK

Task description: **Ridgetop Project-Remove Safety Fence**

Site: **Humming Bird Mine**

Permit Action: 07-2023

Permit/Job#: M2017035

PROJECT IDENTIFICATION

Task #: 01D

State: Colorado

Abbreviation: None

Date: 7/14/2023

County: Mesa

Filename: M035-01d

User: ACY

Agency or organization name: DRMS

UNIT COSTS

Location adjustment: 90.70 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Safety Fence 1	340 LF	Fencing, barbed wire, - 3 strand	340.00	LF	\$1.76	\$598.40
Dump Fees	5 CY	Dump fees - Building construction materials.	5.00	CY	\$11.10	\$55.50

Job Hours: **8.00**

Subtotal
(unadjusted): **\$653.90**

Total Cost
(adjusted for location): **\$593.09**

REVEGETATION WORKTask description: **Ridgetop Project-Reveg**Site: **Humming Bird Mine**Permit Action: 07-2023Permit/Job#: M2017035**PROJECT IDENTIFICATION**Task #: 01EState: ColoradoAbbreviation: NoneDate: 7/14/2023County: MesaFilename: M035-01eUser: ACYAgency 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
Hand raking (MEANS 32 91 13.23 0250)	\$1,655.28
Total Tilling Cost/Acre	\$1,655.28

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Paloma	3.70	11.98	\$41.16
Galleta	4.38	15.99	\$97.89
Western Wheatgrass - Arriba	5.52	13.94	\$35.88
Needle and Thread	6.06	16.00	\$253.61
Globemallow, Scarlet (or copper)	0.50	5.66	\$67.75
Basin Wildrye - Trailhead	6.06	24.62	\$93.38
Totals Seed Mix	26.22	88.19	\$589.68

Application

Description	Cost /Acre
Broadcast seeding [DMG]	\$267.22
Total Seed Application Cost/Acre	\$267.22

MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	0.50	TON	\$429.79	\$214.89
Total Mulch Materials Cost/Acre				\$214.89

Application

Description	Cost /Acre
Hand spread, 1" deep (MEANS 32 91 13.16 0200)	\$3,872.00
Total Mulch Application Cost/Acre	\$3,872.00

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: 0.12 Cost /Acre: \$6,599.07
 Estimated Failure Rate: 30% Cost /Acre*: \$6,599.07
 *Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: **\$791.89**
 Reseeding Job Cost: **\$237.57**
 Total Job Cost: **\$1,029**
 Job Hours: **8.00**

HYDRAULIC EXCAVATOR WORK

Task description: Connector Project-Grade Rock Material

Site: Humming Bird Mine

Permit Action: 07-2023

Permit/Job#: M2017035

PROJECT IDENTIFICATION

Task #: 02A

State: Colorado

Abbreviation: None

Date: 7/14/2023

County: Mesa

Filename: M035-02a

User: ACY

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat 307D 7'-3" Stick

Attachment 1: ROPS Cab

Horsepower: 56

Weight (MT): 7.23

Shift Basis: 1 per day

Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	\$37.88	NA
Operating Cost/Hour:	\$27.05	100
Operator Cost/Hour:	\$46.87	NA
Total Unit Cost/Hour:	\$111.80	
Total Fleet Cost/Hour:	\$111.80	

MATERIAL QUANTITIES

Initial volume: 125

CCY

Swell factor: 1.000

Loose volume: 125

LCY

Source of estimated volume: Rec Plan #19

Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Excavator Cycle Time (load bucket, swing loaded, dump bucket, swing empty):

Basic Job Condition Description: SEVERE

Secondary Job Condition within Basic Description: SEVERE

Cycle Time Value: 0.325 minutes

Load Bucket Capacity

Bucket Size Class: Medium

Rated Capacity: 0.40

LCY (heaped)

Bucket Fill Factor: 1.025

Rock - Earth Mixture (100%-105%) 1.025

Adjusted Capacity: 0.41

LCY

Job Condition Correction Factors

Site Altitude: 6100 feet

Altitude Adj: 0.90

Source
(CAT HB)

Job Efficiency: 0.83

(1 shift/day)

Net Correction: 0.75

multiplier

Unadjusted Hourly Unit Production: 75.69 LCY/Hour

Adjusted Hourly Unit Production: 56.54 LCY/Hour

Adjusted Hourly Fleet Production: 56.54 LCY/Hour

JOB TIME AND COST

Fleet size: 1

Excavator

Total job time: 2.21

Hours

Unit cost: \$1.977 /LCY

Total job cost: \$247

HYDRAULIC EXCAVATOR WORK

Task description: Connector Project-Grade Soil Material

Site: Humming Bird Mine

Permit Action: 07-2023

Permit/Job#: M2017035

PROJECT IDENTIFICATION

Task #: 02B

State: Colorado

Abbreviation: None

Date: 7/14/2023

County: Mesa

Filename: M035-02b

User: ACY

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat 307D 7'-3" Stick

Attachment 1: ROPS Cab

Horsepower: 56

Weight (MT): 7.23

Shift Basis: 1 per day

Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	\$37.88	NA
Operating Cost/Hour:	\$27.05	100
Operator Cost/Hour:	\$46.87	NA
Total Unit Cost/Hour:	\$111.80	
Total Fleet Cost/Hour:	\$111.80	

MATERIAL QUANTITIES

Initial volume: 75

CCY

Swell factor: 1.000

Loose volume: 75

LCY

Source of estimated volume: Rec Plan #19

Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Excavator Cycle Time (load bucket, swing loaded, dump bucket, swing empty):

Basic Job Condition Description: SEVERE

Secondary Job Condition within Basic Description: SEVERE

Cycle Time Value: 0.325 minutes

Load Bucket Capacity

Bucket Size Class: Medium

Rated Capacity: 0.40 LCY (heaped)

Bucket Fill Factor: 1.100 Other - rock/dirt mixtures (100-120%) 1.100

Adjusted Capacity: 0.44 LCY

Job Condition Correction Factors

Site Altitude: 6100 feet

Altitude Adj:	0.90	Source (CAT HB)
Job Efficiency:	0.83	(1 shift/day)
Net Correction:	0.75	multiplier

Unadjusted Hourly Unit Production: 81.23 LCY/Hour

Adjusted Hourly Unit Production: 60.68 LCY/Hour

Adjusted Hourly Fleet Production: 60.68 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Excavator Total job time: 1.24 Hours

Unit cost: \$1.843 /LCY Total job cost: \$138

REVEGETATION WORKTask description: Connector Project-RevegSite: Humming Bird Mine Permit Action: 07-2023 Permit/Job#: M2017035**PROJECT IDENTIFICATION**

Task #: 02C State: Colorado Abbreviation: None
 Date: 7/14/2023 County: Mesa Filename: M035-02c
 User: ACY

Agency 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
Hand raking (MEANS 32 91 13.23 0250)	\$1,655.28
Total Tilling Cost/Acre	\$1,655.28

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Paloma	3.70	11.98	\$41.16
Galleta	4.38	15.99	\$97.89
Western Wheatgrass - Arriba	5.52	13.94	\$35.88
Needle and Thread	6.06	16.00	\$253.61
Globemallow, Scarlet (or copper)	0.50	5.66	\$67.75
Basin Wildrye - Trailhead	6.06	24.62	\$93.38
Totals Seed Mix	26.22	88.19	\$589.68

Application

Description	Cost /Acre
Broadcast seeding [DMG]	\$267.22
Total Seed Application Cost/Acre	\$267.22

MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	0.50	TON	\$429.79	\$214.89
Total Mulch Materials Cost/Acre				\$214.89

Application

Description	Cost /Acre
Hand spread, 1" deep (MEANS 32 91 13.16 0200)	\$3,872.00
Total Mulch Application Cost/Acre	\$3,872.00

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: 0.05 Cost /Acre: \$6,599.07
 Estimated Failure Rate: 30% Cost /Acre*: \$6,599.07
 *Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: **\$329.95**
 Reseeding Job Cost: **\$98.99**
 Total Job Cost: **\$429**
 Job Hours: **1.00**

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Initial Mobilization**Site: **Humming Bird Mine**Permit Action: **07-2023**Permit/Job#: **M2017035****PROJECT IDENTIFICATION**Task #: **10A**State: **Colorado**Abbreviation: **None**Date: **7/14/2023**County: **Mesa**Filename: **M035-10a**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:**

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 307D 7'-3" Stick	7.95	\$37.88	\$82.29	1	\$120.17	\$82.29	\$250.00

Subtotals: **\$120.17** **\$82.29** **\$250.00****ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Flatbed Truck, 4x2, 15K GVW	\$85.03	1	\$85.03	\$85.03

Subtotals: **\$85.03** **\$85.03**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: GRAND JUNCTION
 Total one-way travel distance: 15.00 miles
 Average Travel Speed: 45.00 mph

Total Non-Roadable Mob/Demob Cost * \$875.31
 * two round trips with haul rig:
 Total Roadable Mob/Demob Cost ** \$56.69
 ** one round trip, no haul rig:

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.33	0.33
Return Time (Hours):	0.33	0.33
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.67	0.67

JOB TIME AND COST

Total job time: 3.33 Hours

Total job cost: \$932

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: Secondary MobilizationSite: Humming Bird MinePermit Action: 07-2023Permit/Job#: M2017035**PROJECT IDENTIFICATION**Task #: 10BState: ColoradoAbbreviation: NoneDate: 7/14/2023County: MesaFilename: M035-10bUser: ACYAgency 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
Subtotals:					\$0.00	\$0.00	\$0.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Flatbed Truck, 4x2, 15K GVW	\$85.03	1	\$85.03	\$85.03
Subtotals:			\$85.03	\$85.03

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	<u>GRAND JUNCTION</u>	
Total one-way travel distance:	<u>15.00</u>	miles
Average Travel Speed:	<u>45.00</u>	mph

Total Non-Roadable Mob/Demob Cost *	<u>\$0.00</u>
'* two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	<u>\$56.69</u>
** one round trip, no haul rig:	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	<u>0.33</u>	<u>0.33</u>
Return Time (Hours):	<u>0.33</u>	<u>0.33</u>
Loading Time (Hours):	<u>0.50</u>	<u>NA</u>
Unloading Time (Hours):	<u>0.50</u>	<u>NA</u>
Subtotals:	<u>1.67</u>	<u>0.67</u>

JOB TIME AND COST

Total job time: 0.67 Hours

Total job cost: \$57