

COST SUMMARY WORK

Task description: TR-1 Updates

Site: Apex Lode

Permit Action: TR-1

Permit/Job#: M2014011

PROJECT IDENTIFICATION

Task #: ACY

State: Colorado

Abbreviation: None

Date: 6/25/2020

County: Garfield

Filename: M011-ACY

User: ACY

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
Phase 1					
A1	Portal Closure	MINESEAL	1	24.00	\$2,194
A2	Remove of Site Debris- Phase 1	DEMOLISH	1	40.00	\$550
A3	Soil Scarification	REVEGE	1	4.00	\$29
A4	Reveg of storage area to portals	REVEGE	1	4.00	\$50
Phase 2					
B1	Remove of Site Debris- Phase 2	DEMOLISH	1	64.00	\$1,813
B2	Soil Scarification	REVEGE	1	4.00	\$29
B3	Reveg of cabin area	REVEGE	1	4.00	\$50
Phase 3					
C1	Water bar installation	EXCAVATE	1	7.48	\$436
C2	Remove of Site Debris- Phase 2	DEMOLISH	1	4.00	\$284
C3	Place Road Closure	EXCAVATE	1	4.64	\$270
C4	Soil Scarification	REVEGE	1	16.00	\$730
C5	Reveg of mine road	REVEGE	1	16.00	\$1,250
Mob1	Phase 1 Mobilization	MOBILIZE	1	5.40	\$1,501
Mob2	Phase 2 Mobilization	MOBILIZE	1	5.40	\$663
Mob3	Phase 3 Mobilization	MOBILIZE	1	12.80	\$2,111
<u>SUBTOTALS:</u>				215.72	\$11,960

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	<u>\$242</u>
Performance bond:	1.05	Total =	<u>\$126</u>
Job superintendent:	107.86	Total =	<u>\$7,502</u>
Profit:	10.00	Total =	<u>\$1,196</u>
		TOTAL O & P =	<u>\$9,065</u>
		CONTRACT AMOUNT (direct + O & P) =	<u>\$21,025</u>

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	<u>\$500</u>	Total =	<u>\$500</u>
Engineering work and/or contract/bid preparation:	<u>4.25</u>	Total =	<u>\$894</u>
Reclamation management and/or administration:	<u>5.00</u>		<u>\$1,051</u>
CONTINGENCY:	3.00	Total =	<u>\$359</u>

TOTAL INDIRECT COST = \$11,868

TOTAL BOND AMOUNT (direct + indirect) = \$23,828

SAFEGUARDING UNDERGROUND OPENINGS

Task description: Portal Closure

Site: Apex Lode

Permit Action: TR-1

Permit/Job#: M2014011

PROJECT IDENTIFICATION

Task #: A1

State: Colorado

Abbreviation: None

Date: 6/25/2020

County: Garfield

Filename: M011-A1

User: ACY

Agency or organization name: DRMS

UNIT COSTS

Opening Description	Dimensions	Closure Method	Quantity	Unit	Unit Cost	Total Cost
Upper Portal PUF Plug	8'W x 5'H	Shaft closure - polyurethane foam plug (per cu. yd.)	6.00	CY	\$210.00	\$1,260.00
Upper Portal Rock & Mortar Over Foam	1	Aduit closure - backfilling (per cu. yd.)	1.50	CY	\$20.00	\$30.00
Lower Portal PUF Plug	5'W x 6"H	Shaft closure - polyurethane foam plug (per cu. yd.)	4.20	CY	\$210.00	\$882.00
Lower Portal Rock & Mortar Over Foam	1	Aduit closure - backfilling (per cu. yd.)	1.10	CY	\$20.00	\$22.00

Job Hours: 24.00

Total Cost: \$2,194.00

DEMOLITION WORK

Task description: Remove of Site Debris- Phase 1

Site: Apex Lode

Permit Action: TR-1

Permit/Job#: M2014011

PROJECT IDENTIFICATION

Task #: A2

State: Colorado

Abbreviation: None

Date: 6/25/2020

County: Garfield

Filename: M011-A2

User: ACY

Agency or organization name: DRMS

UNIT COSTS

Location adjustment: 86.60 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Railroad tracks to Upper Portal	30 LF of 2" track	Railroad track - Ties and track	30.00	LF	\$9.56	\$286.80
Lower Portal Structure-Demo & Haul	1000 Bd Ft	Bldg. (SN) demo./off-site disposal in approved landfill - Max. 30 mile haul	83.30	CF	\$0.39	\$32.07
Lower Portal Structure-Hand Load	3 CY	Loading and 2 mile haul, no salvage - Hand loading	3.00	CY	\$41.45	\$124.35
Boardwalk Removal-Demo	800 Bd Ft	Fencing, wood, all types - 4 ft. to 6 ft. high	30.00	LF	\$1.56	\$46.80
Boardwalk Removal-Hand Load	800 Bd Ft	Loading and 2 mile haul, no salvage - Hand loading	2.50	CY	\$41.45	\$103.63
Boardwalk Removal-Haul	2.5 CY	Light Duty Pickup, 4x4, 3/4 T.	1.00	EA	\$40.91	\$40.91

Job Hours: 40.00

**Subtotal
(unadjusted):** \$634.56

**Total Cost
(adjusted for
location):** \$549.53

REVEGETATION WORK

Task description: Soil Scarification

Site: Apex Lode Permit Action: TR-1 Permit/Job#: M2014011

PROJECT IDENTIFICATION

Task #: A3 State: Colorado Abbreviation: None
 Date: 6/25/2020 County: Garfield Filename: M011-A3
 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)	\$1,459.26
Total Tilling Cost/Acre	\$1,459.26

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
			\$
Totals Seed Mix	0.00	0.00	\$0.00

Application

Description	Cost /Acre
	\$

Total Seed Application Cost/Acre	\$0.00
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MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description	Cost /Acre
	\$
Total Mulch Application Cost/Acre	
	\$0.00

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: <u>0.02</u>	Cost /Acre: <u>\$1,459.26</u>
Estimated Failure Rate: <u>30%</u>	Cost /Acre*: <u>\$0.00</u>
*Selected Replanting Work Items: <u>NONE</u>	
Initial Job Cost: <u>\$29.19</u>	
Reseeding Job Cost: <u>\$0.00</u>	
Total Job Cost: <u>\$29</u>	
Job Hours: <u>4.00</u>	

REVEGETATION WORKTask description: Reveg of stroage area to portalsSite: Apex LodePermit Action: TR-1Permit/Job#: M2014011PROJECT IDENTIFICATIONTask #: A4State: ColoradoAbbreviation: NoneDate: 6/25/2020County: GarfieldFilename: M011-A4User: ACYAgency 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
Hand raking (MEANS 32 91 13.23 0250)	\$1,459.26
Total Tilling Cost/Acre	\$1,459.26

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Fringed Bromegrass - Native	2.59	4.75	\$43.96
Blue Wildrye - Arlington or Elkton	2.71	9.35	\$18.08
Mountain Brome - Bromar	6.43	10.32	\$24.42
Slender Wheatgrass - San Luis	6.62	24.15	\$28.11
Thickspike Wheatgrass - Critana	6.70	23.67	\$46.04
Prairie Junegrass	1.40	74.15	\$36.27
Totals Seed Mix	26.43	146.39	\$196.87

Application

DEMOLITION WORK

Task description: Remove of Site Debris- Phase 2

Site: Apex Lode

Permit Action: TR-1

Permit/Job#: M2014011

PROJECT IDENTIFICATION

Task #: B1

State: Colorado

Abbreviation: None

Date: 6/25/2020

County: Garfield

Filename: M011-B1

User: ACY

Agency or organization name: DRMS

UNIT COSTS

Location adjustment: 86.60 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Cabin Demo & out house	25' x 20	Bldg. (SN) demo./off-site disposal in approved landfill - Max. 30 mile haul	4,000.00	CF	\$0.39	\$1,540.00
Metal Roof-Hand Load	600 sq ft	Loading and 2 mile haul, no salvage - Hand loading	1.00	CY	\$41.45	\$41.45
Non-native Lumber-Hand Load	1400 Bd Ft	Loading and 2 mile haul, no salvage - Hand loading	4.30	CY	\$41.45	\$178.24
Misc Materials-Hand Load	2 pick-up loads	Loading and 2 mile haul, no salvage - Hand loading	5.30	CY	\$41.45	\$219.69
Dump fees	Above	Dump fees - Building construction materials.	10.30	CY	\$11.10	\$114.33

Job Hours: 64.00

**Subtotal
(unadjusted):** \$2,093.71

**Total Cost
(adjusted for
location):** \$1,813.15

REVEGETATION WORK

Task description: Soil Scarification

Site: Apex Lode Permit Action: TR-1 Permit/Job#: M2014011

PROJECT IDENTIFICATION

Task #: B2 State: Colorado Abbreviation: None
 Date: 6/25/2020 County: Garfield Filename: M011-B2
 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)	\$1,459.26
Total Tilling Cost/Acre	\$1,459.26

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
			\$
Totals Seed Mix	0.00	0.00	\$0.00

Application

Description	Cost /Acre
	\$

Total Seed Application Cost/Acre	\$0.00
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MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description	Cost /Acre
	\$
Total Mulch Application Cost/Acre	
	\$0.00

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: <u>0.02</u>	Cost /Acre: <u>\$1,459.26</u>
Estimated Failure Rate: <u>30%</u>	Cost /Acre*: <u>\$0.00</u>
*Selected Replanting Work Items: <u>NONE</u>	
Initial Job Cost: <u>\$29.19</u>	
Reseeding Job Cost: <u>\$0.00</u>	
Total Job Cost: <u>\$29</u>	
Job Hours: <u>4.00</u>	

REVEGETATION WORKTask description: Reveg of cabin areaSite: Apex LodePermit Action: TR-1Permit/Job#: M2014011PROJECT IDENTIFICATIONTask #: B3State: ColoradoAbbreviation: NoneDate: 7/8/2020County: GarfieldFilename: M011-B3User: ACYAgency 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
Hand raking (MEANS 32 91 13.23 0250)	\$1,459.26
Total Tilling Cost/Acre	\$1,459.26

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Fringed Bromegrass - Native	2.59	4.75	\$43.96
Blue Wildrye - Arlington or Elkton	2.71	9.35	\$18.08
Mountain Brome - Bromar	6.43	10.32	\$24.42
Slender Wheatgrass - San Luis	6.62	24.15	\$28.11
Thickspike Wheatgrass - Critana	6.70	23.67	\$46.04
Prairie Junegrass	1.40	74.15	\$36.27
Totals Seed Mix	26.43	146.39	\$196.87

Application

HYDRAULIC EXCAVATOR WORK

Task description: Water bar instalation

Site: Apex Lode Permit Action: TR-1 Permit/Job#: M2014011

PROJECT IDENTIFICATION

Task #: C1 State: Colorado Abbreviation: None
Date: 6/25/2020 County: Garfield Filename: M011-C1
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>\$19.99</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$0.93</u>	<u>5</u>
Operator Cost/Hour:	<u>\$37.32</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$58.24</u>	
Total Fleet Cost/Hour:	<u>\$58.24</u>	

MATERIAL QUANTITIES

Initial volume: 6 CCY Swell factor: 1.429
Loose volume: 9 LCY

Source of estimated volume: TR-1 Adequacy- 2x 3 yrds each
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: 0.20 LCY (heaped) Bucket Size Class: Small
Bucket Fill Factor: 0.900 Other - soil, boulders, roots (80 -100%) 0.900
Adjusted Capacity: 0.18 LCY

Job Condition Correction Factors

Site Altitude: 10100 feet

		Source
Altitude Adj:	<u>0.83</u>	<u>(CAT HB)</u>
Job Efficiency:	<u>0.83</u>	<u>(1 shift/day)</u>
Net Correction:	<u>0.69</u>	<u>multiplier</u>

Unadjusted Hourly Unit Production: 33.23 LCY/Hour
Adjusted Hourly Unit Production: 22.89 LCY/Hour
Adjusted Hourly Fleet Production: 22.89 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Excavator Total job time: 7.49 Hours
Unit cost: \$2,544 /LCY Total job cost: \$436

DEMOLITION WORK

Task description: Remove of Site Debris- Phase 2

Site: Apex Lode

Permit Action: TR-1

Permit/Job#: M2014011

PROJECT IDENTIFICATION

Task #: C2

State: Colorado

Abbreviation: None

Date: 6/25/2020

County: Garfield

Filename: M011-C2

User: ACY

Agency or organization name: DRMS

UNIT COSTS

Location adjustment: 86.60 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Gate Removal-Load	1 panel	Loading and 2 mile haul, no salvage - Hand loading	2.00	CY	\$41.45	\$82.90
Gate Removal-Haul	2 CY	Hauling only, per mile, 12-18 CY truck - 30 mph average speed	30.00	MI	\$7.42	\$222.60
gate Removal-Dump Fee	2 CY	Dump fees - Building construction materials.	2.00	CY	\$11.10	\$22.20

Job Hours: 4.00

**Subtotal
(unadjusted):** \$327.70

**Total Cost
(adjusted for
location):** \$283.79

HYDRAULIC EXCAVATOR WORK

Task description: Place Road Closure

Site: Apex Lode Permit Action: TR-1 Permit/Job#: M2014011

PROJECT IDENTIFICATION

Task #: C3 State: Colorado Abbreviation: None
Date: 6/25/2020 County: Garfield Filename: M011-C3
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>\$19.99</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$0.93</u>	<u>5</u>
Operator Cost/Hour:	<u>\$37.32</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$58.24</u>	
Total Fleet Cost/Hour:	<u>\$58.24</u>	

MATERIAL QUANTITIES

Initial volume: 5 CCY Swell factor: 1.125
Loose volume: 6 LCY

Source of estimated volume: Division of Reclamation, Mining & Safety
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: AVERAGE
Cycle Time Value: 0.307 minutes

Load Bucket Capacity

Rated Capacity: 0.20 LCY (heaped) Bucket Size Class: Small
Bucket Fill Factor: 0.900 Other - soil, boulders, roots (80 -100%) 0.900
Adjusted Capacity: 0.18 LCY

Job Condition Correction Factors

Site Altitude: 10100 feet

		Source
Altitude Adj:	<u>0.83</u>	<u>(CAT HB)</u>
Job Efficiency:	<u>0.83</u>	<u>(1 shift/day)</u>
Net Correction:	<u>0.69</u>	<u>multiplier</u>

Unadjusted Hourly Unit Production: 35.18 LCY/Hour
Adjusted Hourly Unit Production: 24.23 LCY/Hour
Adjusted Hourly Fleet Production: 24.23 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Excavator Total job time: 4.64 Hours
Unit cost: \$2.403 /LCY Total job cost: \$270

REVEGETATION WORKTask description: Soil ScarificationSite: Apex LodePermit Action: TR-1Permit/Job#: M2014011PROJECT IDENTIFICATIONTask #: C4State: ColoradoAbbreviation: NoneDate: 6/25/2020County: GarfieldFilename: M011-C4User: ACYAgency 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
Hand raking (MEANS 32 91 13.23 0250)	\$1,459.26
Total Tilling Cost/Acre	\$1,459.26

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
			\$
Totals Seed Mix	0.00	0.00	\$0.00

Application

Description	Cost /Acre
	\$

Total Seed Application Cost/Acre	\$0.00
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MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description	Cost /Acre
	\$
Total Mulch Application Cost/Acre	
	\$0.00

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: <u>0.5</u>	Cost /Acre: <u>\$1,459.26</u>
Estimated Failure Rate: <u>30%</u>	Cost /Acre*: <u>\$0.00</u>
*Selected Replanting Work Items: <u>NONE</u>	
Initial Job Cost: <u>\$729.63</u>	
Reseeding Job Cost: <u>\$0.00</u>	
Total Job Cost: <u>\$730</u>	
Job Hours: <u>16.00</u>	

REVEGETATION WORKTask description: Reveg of mine roadSite: Apex LodePermit Action: TR-1Permit/Job#: M2014011PROJECT IDENTIFICATIONTask #: C5State: ColoradoAbbreviation: NoneDate: 7/8/2020County: GarfieldFilename: M011-C5User: ACYAgency 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
Hand raking (MEANS 32 91 13.23 0250)	\$1,459.26
Total Tilling Cost/Acre	\$1,459.26

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Fringed Bromegrass - Native	2.59	4.75	\$43.96
Blue Wildrye - Arlington or Elkton	2.71	9.35	\$18.08
Mountain Brome - Bromar	6.43	10.32	\$24.42
Slender Wheatgrass - San Luis	6.62	24.15	\$28.11
Thickspike Wheatgrass - Critana	6.70	23.67	\$46.04
Prairie Junegrass	1.40	74.15	\$36.27
Totals Seed Mix	26.43	146.39	\$196.87

Application

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: Phase 1 MobilizationSite: Apex LodePermit Action: TR-1Permit/Job#: M2014011PROJECT IDENTIFICATIONTask #: MOB1State: ColoradoAbbreviation: NoneDate: 6/25/2020County: GarfieldFilename: M011-Mob1User: ACYAgency or organization name: DRMSEQUIPMENT TRANSPORT RIG COSTShift 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:

<u>Available Rig Capacities</u>	<u>0-25 Tons</u>	<u>26-50 Tons</u>	<u>51+ Tons</u>
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:

<u>Machine Description</u>	<u>Weight/ Unit (TONS)</u>	<u>Owner ship Cost/hr/ unit</u>	<u>Haul Rig Cost/hr/unit</u>	<u>Fleet Size</u>	<u>Haul Trip Cost/hr/ fleet</u>	<u>Return Trip Cost/hr/ fleet</u>	<u>DOT Permit Cost/ fleet</u>
Subtotals:							
					\$0.00	\$0.00	\$0.00

ROADABLE EQUIPMENT:

<u>Machine Description</u>	<u>Total Cost/hr/ unit</u>	<u>Fleet Size</u>	<u>Haul Trip Cost/hr/ fleet</u>	<u>Return Trip Cost/hr/ fleet</u>
Light Duty Pickup, 4x4, 3/4 T.	\$55.60	5	\$278.00	\$278.00
Subtotals:			\$278.00	\$278.00

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: GLENWOOD SPRINGS
 Total one-way travel distance: 27.00 miles
 Average Travel Speed: 10.00 mph

Total Non-Roadable Mob/Demob Cost * \$0.00
 * * two round trips with haul rig:
 Total Roadable Mob/Demob Cost ** \$1,501.20
 ** one round trip, no haul rig:

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	2.70	2.70
Return Time (Hours):	2.70	2.70
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	6.40	5.40

JOB TIME AND COST

Total job time: 5.40 Hours

Total job cost: \$1,501

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: Phase 2 MobilizationSite: Apex LodePermit Action: TR-1Permit/Job#: M2014011PROJECT IDENTIFICATIONTask #: MOB2State: ColoradoAbbreviation: NoneDate: 6/25/2020County: GarfieldFilename: M011-Mob2User: ACYAgency or organization name: DRMSEQUIPMENT TRANSPORT RIG COSTShift 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:

<u>Available Rig Capacities</u>	<u>0-25 Tons</u>	<u>26-50 Tons</u>	<u>51+ Tons</u>
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:

<u>Machine Description</u>	<u>Weight/ Unit (TONS)</u>	<u>Owner ship Cost/hr/ unit</u>	<u>Haul Rig Cost/hr/unit</u>	<u>Fleet Size</u>	<u>Haul Trip Cost/hr/ fleet</u>	<u>Return Trip Cost/hr/ fleet</u>	<u>DOT Permit Cost/ fleet</u>
Subtotals:							
					\$0.00	\$0.00	\$0.00

ROADABLE EQUIPMENT:

<u>Machine Description</u>	<u>Total Cost/hr/ unit</u>	<u>Fleet Size</u>	<u>Haul Trip Cost/hr/ fleet</u>	<u>Return Trip Cost/hr/ fleet</u>
Light Duty Pickup, 4x4, 3/4 T.	\$40.91	3	\$122.73	\$122.73
Subtotals:			\$122.73	\$122.73

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: GLENWOOD SPRINGS
 Total one-way travel distance: 27.00 miles
 Average Travel Speed: 10.00 mph

Total Non-Roadable Mob/Demob Cost * \$0.00
 * * two round trips with haul rig:
 Total Roadable Mob/Demob Cost ** \$662.74
 ** one round trip, no haul rig:

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	2.70	2.70
Return Time (Hours):	2.70	2.70
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	6.40	5.40

JOB TIME AND COST

Total job time: 5.40 Hours

Total job cost: \$663

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Phase 3 Mobilization**Site: **Apex Lode**Permit Action: **TR-1**Permit/Job#: **M2014011****PROJECT IDENTIFICATION**Task #: **MOB3**State: **Colorado**Abbreviation: **None**Date: **7/8/2020**County: **Garfield**Filename: **M011-Mob3**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:	\$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 307D 7'-3" Stick	7.95	\$19.99	\$67.39	1	\$87.38	\$67.39	\$250.00

Subtotals: **\$87.38** **\$67.39** **\$250.00****ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 3/4 T.	\$55.60	2	\$111.20	\$111.20

Subtotals: **\$111.20** **\$111.20**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: GLENWOOD SPRINGS
 Total one-way travel distance: 27.00 miles
 Average Travel Speed: 10.00 mph

Total Non-Roadable Mob/Demob Cost * \$1,510.52
 * * two round trips with haul rig:
 Total Roadable Mob/Demob Cost ** \$600.48
 ** one round trip, no haul rig:

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	2.70	2.70
Return Time (Hours):	2.70	2.70
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	6.40	5.40

JOB TIME AND COST

Total job time: 12.80 Hours

Total job cost: \$2,111