

May 19, 2016

Rusty Taylor
RnP Enterprises, Inc
1135 CR 30
Craig, CO 81626



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

1313 Sherman Street, Room 215
Denver, CO 80203

RE: Taylor Pit, Permit No. M-2013-006, Reclamation Costs Update and Notice of Surety Increase (SI-1)

Dear Mr. Taylor:

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).

Division calculations estimate the cost to reclaim the above referenced site to be \$33,279 rounded up from \$33,278.86. This is an increase of \$13,368 over the \$19,911 currently held by the Division. This estimate is based on conditions observed during the May 10, 2016 inspection. ***Therefore, pursuant to Section 34-32.5-117(4) of the Colorado Land Reclamation Act, adequate Financial Warranty must be submitted to the Division within 60 days of the mailing date of this letter.*** The additional amount needs to be accepted prior to **Monday, July 18, 2016**. Please review the enclosed figures as soon as possible and contact our office if any calculation errors are noted.

Please make arrangements with Barbara Coria at the Division of Reclamation, Mining and Safety Denver Office, phone no. 303.866.3567, ext. 8148 for submittal of the financial warranty. Any questions regarding completion, execution and/or submittal of financial warranty forms should also be directed to Barbara Coria.

If you require additional information, or have questions or concerns, please feel free to contact me. Amy Yeldell at the Division of Reclamation, Mining and Safety, 1313 Sherman St., Room 215, Denver, CO 80203. Direct contact can be made by phone at 970-254-8511 or via email at amy.yeldell@state.co.us

Sincerely,

Amy Yeldell

Environmental Protection Specialist
Department of Natural Resources
Division of Reclamation, Mining and Safety
Phone: (970) 254-8511

Ec: Russ Means, Senior EPS / Field Office Supervisor, Grand Junction DRMS
Enc: Financial Warranty Cost Estimate



COST SUMMARY WORK

Task description: Recalculated after 2016 inspection

Site: Taylor Pit

Permit Action: 2016-05

Permit/Job#: M2013006

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 5/18/2016

County: Moffat

Filename: M006-000

User: ACY

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Transport overburden	LOADER	1	44.69	\$5,671.00
02a	Grade Overburden	GRADER	1	2.98	\$300.00
03a	Rip packed roads and stockpile areas	GRADER	1	2.98	\$312.00
04a	Transport topsoil	LOADER	1	29.88	\$3,793.00
05a	Grade topsoil	GRADER	1	5.00	\$502.00
06a	Reveg 6.5 acres	REVEGE	1	8.00	\$7,879.00
07a	Initial Mobilization	MOBILIZE	1	4.24	\$3,859.00
08a	Secondary Mobilization	MOBILIZE	1	4.24	\$1,934.00
<u>SUBTOTALS:</u>				102.01	\$24,250

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$489.85

Performance bond: 1.05

Total = \$254.63

Job superintendent: 51.00

Total = \$3,798.48

Profit: 10.00

Total = \$2,425.00

TOTAL O & P = \$6,967.96

CONTRACT AMOUNT (direct + O & P) = \$31,217.96

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): 500.00

Total = 500.00

Engineering work and/or contract/bid preparation: 0.00

Total = \$0.00

Reclamation management and/or administration: 5.00

\$1,560.90

CONTINGENCY: 0.00

Total = \$0.00

TOTAL INDIRECT COST = \$9,028.86

TOTAL BOND AMOUNT (direct + indirect) = \$33,278.86

WHEEL LOADER – LOAD AND CARRY WORKTask description: **Transport overburden**Site: **Taylor Pit** Permit Action: **2016-05** Permit/Job#: **M2013006****PROJECT IDENTIFICATION**

Task #: **01A** State: **Colorado** Abbreviation: **None**
 Date: **5/18/2016** County: **Moffat** Filename: **M006-01a**
 User: **ACY**

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

Basic Machine: **CAT 966H** Horsepower: **262**
 Attachment 1: **ROPS Cab** Shift Basis: **1 per day**
 Data Source: **(CRG)**

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	\$31.06	NA
Operating Cost/Hour:	\$57.24	100
Operator Cost/Hour:	\$38.60	NA
Total Unit Cost/Hour:	\$126.90	
Total Fleet Cost/Hour:	\$126.90	

MATERIAL QUANTITIES

Initial volume: **8,889** CCY Swell factor: **1.345**
 Loose volume: **11,956** LCY

Source of estimated volume: **Staff Field Estimates and Reclamation Plan**
 Source of estimated swell factor: **Cat Handbook**

HOURLY PRODUCTIONLoader Cycle Time: Unadjusted Basic Cycle Time (load, dump, maneuver): **0.500** minutes

Cycle Time Factors		Factor (min.)	Source
Material:	Material 3/4" to 6" diameter 0.00	0.000	(Cat HB)
Stockpile:	Conveyor or dozer piled 10 ft. high or less 0.01	0.010	(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:		-0.070	minutes
Adjusted Basic Cycle Time:		0.430	minutes

Rolling Resistance – Road Conditions

Haul: **Rutted dirt, little maintenance, no water, 1" tire penetration 4.0**
 Return: **Rutted dirt, little maintenance, no water, 1" tire penetration 4.0**

Haul and Return Time

	Length (feet)	Grade Res. (%)	Rolling Res. (%)	Total Res. (%)	Travel Time (minutes)	Source
Haul Route:	200	5.00	4.00	9.00	0.2457	(Cat HB)
Return Route:	200	-5.00	4.00	-1.00	0.1387	(Cat HB)

Total Travel Time: 0.3845 minutes
 Total Cycle Time: **0.8145** minutes

Load Bucket Capacity

Rated Capacity: 5.00 LCY (heaped)
 Bucket Fill Factor: 0.875 Blasted rock - well blasted (80 - 95%) 0.875
 Adjusted Capacity: **4.38** LCY

Job Condition Correction Factors

Site Altitude: 7000 feet

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

Unadjusted Hourly Unit Production: 322.30 LCY/Hour
 Adjusted Hourly Unit Production: 267.51 LCY/Hour
 Adjusted Hourly Fleet Production: **267.51** LCY/Hour

JOB TIME AND COST

Fleet size: 1 Loader(s) Total job time: **44.69** Hours
 Unit cost: \$0.474 /LCY Total job cost: **\$5,671**

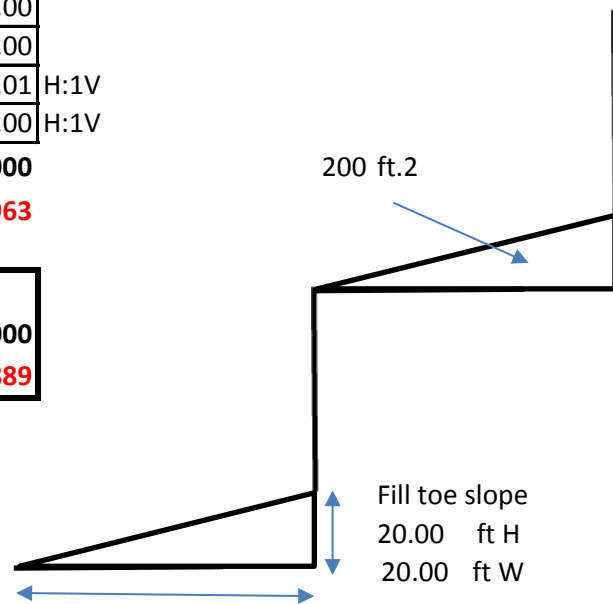
Highwall reduction - backfill

Width of the bench (ft.)	20.00
Length of Highwall (lft.)	400.00
- - - - Initial Slope	0.01 H:1V
— Desired Slope	3.00 H:1V
Volume of material to be moved (ft. ³)	80,000
Volume of material to be moved (yd. ³)	2,963

Total for 2 fill areas of production bench

Volume of material to be moved (ft. ³)	240,000
Volume of material to be moved (yd. ³)	8,889

All dimensions measured in feet
Drawing not to scale



MOTOR GRADER WORK

Task description: Grade Overburden

Site: Taylor Pit Permit Action: 2016-05 Permit/Job#: M2013006

PROJECT IDENTIFICATION

Task #: 02A State: Colorado Abbreviation: None
Date: 5/18/2016 County: Moffat Filename: M006-02a
User: ACY

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: CAT 12M Horsepower: 158
Ripper Attachment: Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

Ownership Cost/Hour:	<u>\$22.63</u>	Utilization %
Operating Cost/Hour:	<u>\$41.86</u>	<u>NA</u>
Ripper Operating Cost/Hour:	<u>\$0.00</u>	<u>100</u>
Operator Cost/Hour:	<u>\$35.83</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$100.32</u>	
Total Fleet Cost/Hour:	<u>\$100.32</u>	

MATERIAL QUANTITIES

Total Area to be graded or ripped: 3.00 acres

Source of estimated acreage: Staff Field Estimates and Reclamation Plan

HOURLY PRODUCTION

Average Grader Speed: 1.50 mph
Selected Application: Finish grading (0-2.5 mph) - 1.5
Selected Blade Angle: 45 degrees
Effective Blade Length: 8.50 feet
Width of blade overlap per pass: 2.00 feet
Net grading or ripping width per pass: 6.50 feet
Unadjusted Hourly Unit Production: 1.1818 acres/hour

Job Condition Correction Factors

Site Altitude: 7000 feet

Altitude Adj:	<u>1.00</u>	Source
Job Efficiency:	<u>0.85</u>	(CAT HB)
Net Correction:	<u>0.8500</u>	(1sh/d, mod.)
		multiplier

Adjusted Hourly Unit Production: 1.0045 acres/Hour
Adjusted Hourly Fleet Production: 1.0045 acres/Hour

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 2.99 Hours

Unit cost: \$99.87 per acre Total job cost: \$300

MOTOR GRADER WORK

Task description: Rip packed roads and stockpile areas

Site: Taylor Pit

Permit Action: 2016-05

Permit/Job#: M2013006

PROJECT IDENTIFICATION

Task #: 03A

State: Colorado

Abbreviation: None

Date: 5/18/2016

County: Moffat

Filename: M006-03a

User: ACY

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: CAT 12M

Horsepower: 158

Ripper Attachment: Multi-Shank Ripper

Shift Basis: 1 per day

Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	\$24.44	NA
Operating Cost/Hour:	\$41.86	100
Ripper Operating Cost/Hour:	\$2.13	100
Operator Cost/Hour:	\$35.83	NA
Total Unit Cost/Hour:	\$104.26	
Total Fleet Cost/Hour:	\$104.26	

MATERIAL QUANTITIES

Total Area to be graded or ripped: 3.50 acres

Source of estimated acreage: Staff Field Estimates and Reclamation Plan

HOURLY PRODUCTION

Average Grader Speed:	<u>1.50</u>	mph
Selected Application:	<u>Ripping (0-3 mph) - 1.50</u>	
Selected Blade Angle:	<u>-1</u>	degrees
Effective Blade Length:	<u>0.00</u>	feet
Width of blade overlap per pass:	<u>2.00</u>	feet
Net grading or ripping width per pass:	<u>7.58</u>	feet
Unadjusted Hourly Unit Production:	<u>1.3782</u>	acres/hour

Job Condition Correction Factors

Site Altitude: 7000 feet

Altitude Adj:	<u>1.00</u>	Source
Job Efficiency:	<u>0.85</u>	(CAT HB)
Net Correction:	<u>0.8500</u>	(1sh/d, mod.)
		multiplier

Adjusted Hourly Unit Production: 1.1715 acres/Hour

Adjusted Hourly Fleet Production: 1.1715 acres/Hour

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 2.99 Hours

Unit cost: \$89.00 per acre Total job cost: \$312

WHEEL LOADER – LOAD AND CARRY WORKTask description: **Transport topsoil**Site: **Taylor Pit** Permit Action: **2016-05** Permit/Job#: **M2013006****PROJECT IDENTIFICATION**

Task #: **04A** State: **Colorado** Abbreviation: **None**
 Date: **5/18/2016** County: **Moffat** Filename: **M006-04a**
 User: **ACY**

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

Basic Machine: **CAT 966H** Horsepower: **262**
 Attachment 1: **ROPS Cab** Shift Basis: **1 per day**
 Data Source: **(CRG)**

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	\$31.06	NA
Operating Cost/Hour:	\$57.24	100
Operator Cost/Hour:	\$38.60	NA
Total Unit Cost/Hour:	\$126.90	
Total Fleet Cost/Hour:	\$126.90	

MATERIAL QUANTITIES

Initial volume: **7,986** CCY Swell factor: **1.215**
 Loose volume: **9,703** LCY

Source of estimated volume: **Reclamation plan - 8" covering 6.5 acres**
 Source of estimated swell factor: **Cat Handbook**

HOURLY PRODUCTIONLoader Cycle Time: Unadjusted Basic 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 or less 0.01	0.010	(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:		-0.050	minutes
Adjusted Basic Cycle Time:		0.450	minutes

Rolling Resistance – Road Conditions

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

Haul and Return Time

	Length (feet)	Grade Res. (%)	Rolling Res. (%)	Total Res. (%)	Travel Time (minutes)	Source
Haul Route:	200	5.00	5.00	10.00	0.2610	(Cat HB)
Return Route:	200	-5.00	5.00	0.00	0.1327	(Cat HB)

Total Travel Time: 0.3937 minutes
 Total Cycle Time: **0.8437** minutes

Load Bucket Capacity

Rated Capacity: 5.00 LCY (heaped)
 Bucket Fill Factor: 1.100 Other - rock/dirt mixtures (100-120%) 1.100
 Adjusted Capacity: **5.50** LCY

Job Condition Correction Factors

Site Altitude: 7000 feet

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

Unadjusted Hourly Unit Production: 391.15 LCY/Hour
 Adjusted Hourly Unit Production: 324.66 LCY/Hour
 Adjusted Hourly Fleet Production: **324.66** LCY/Hour

JOB TIME AND COST

Fleet size: 1 Loader(s) Total job time: **29.89** Hours
 Unit cost: \$0.391 /LCY Total job cost: **\$3,793**

MOTOR GRADER WORK

Task description: Grade topsoil

Site: Taylor Pit

Permit Action: 2016-05

Permit/Job#: M2013006

PROJECT IDENTIFICATION

Task #: 05A

State: Colorado

Abbreviation: None

Date: 5/18/2016

County: Moffat

Filename: M006-05a

User: ACY

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: CAT 12M

Horsepower: 158

Ripper Attachment: _____

Shift Basis: 1 per day

Data Source: (CRG)

Cost Breakdown:

Ownership Cost/Hour:	\$22.63	Utilization %	NA
Operating Cost/Hour:	\$41.86		100
Ripper Operating Cost/Hour:	\$0.00		
Operator Cost/Hour:	\$35.83		NA
Total Unit Cost/Hour:	\$100.32		
Total Fleet Cost/Hour:	\$100.32		

MATERIAL QUANTITIES

Total Area to be graded or ripped: 6.50 acres

Source of estimated acreage: Staff Field Estimates and Reclamation Plan

HOURLY PRODUCTION

Average Grader Speed:	<u>1.50</u>	mph
Selected Application:	<u>Finish grading (0-2.5 mph) - 1.5</u>	
Selected Blade Angle:	<u>30</u>	degrees
Effective Blade Length:	<u>10.40</u>	feet
Width of blade overlap per pass:	<u>2.00</u>	feet
Net grading or ripping width per pass:	<u>8.40</u>	feet
Unadjusted Hourly Unit Production:	<u>1.5273</u>	acres/hour

Job Condition Correction Factors

Site Altitude: 7000 feet

Altitude Adj:	<u>1.00</u>	Source
Job Efficiency:	<u>0.85</u>	(CAT HB)
Net Correction:	<u>0.8500</u>	(1sh/d, mod.)
		multiplier

Adjusted Hourly Unit Production: 1.2982 acres/Hour

Adjusted Hourly Fleet Production: **1.2982** acres/Hour

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: **5.01** Hours

Unit cost: \$77.28 per acre Total job cost: **\$502**

REVEGETATION WORKTask description: Reveg 6.5 acresSite: Taylor PitPermit Action: 2016-05Permit/Job#: M2013006**PROJECT IDENTIFICATION**Task #: 06AState: ColoradoAbbreviation: NoneDate: 5/18/2016County: MoffatFilename: M006-06aUser: 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
	\$
Total Tilling Cost/Acre	\$0.00

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Orchardgrass - Shawnee	0.30	3.72	\$0.35
Smooth Brome - Manchar	1.60	5.33	\$3.15
Intermediate Wheatgrass - Rush	2.50	5.34	\$5.60
Sainfoin - Remont	2.50	1.09	\$7.05
Pubescent Wheatgrass - Topar	2.25	4.65	\$4.84
Totals Seed Mix	9.15	20.12	\$20.99

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
Hay, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$265.00	\$530.00
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$1.25	\$1.25
Total Mulch Materials Cost/Acre				\$531.25

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$66.02
Power mulcher (MEANS 32 91 13.16 0350)	\$97.14
Weed spray, truck, non-aquatic area, nox. [DMG]	\$62.72
Total Mulch Application Cost/Acre	\$225.88

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:	6.5	Cost /Acre:	\$1,010.12
Estimated Failure Rate:	20%	Cost /Acre*:	\$1,010.12
*Selected Replanting Work Items:	SEEDING,MULCHING		
Initial Job Cost:	\$6,565.78		
Reseeding Job Cost:	\$1,313.16		
Total Job Cost:	\$7,879		
Job Hours:	8.00		

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Initial Mobilization**Site: **Taylor Pit**Permit Action: **2016-05**Permit/Job#: **M2013006****PROJECT IDENTIFICATION**Task #: **07A**State: **Colorado**Abbreviation: **None**Date: **5/18/2016**County: **Moffat**Filename: **M006-07a**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:	\$16.63	\$18.37	\$22.33
Operating Cost/Hour:	\$44.38	\$46.13	\$50.07
Operator Cost/Hour:	\$27.66	\$27.66	\$27.66
Helper Cost/Hour:	\$0.00	\$25.39	\$25.39
Total Unit Cost/Hour:	\$88.67	\$117.55	\$125.45

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 966H	25.80	\$31.06	\$88.67	1	\$119.73	\$88.67	\$250.00
CAT 12M	16.01	\$24.44	\$88.67	1	\$113.11	\$88.67	\$250.00
Drill/Broadcast Seeder with Tractor	25.00	\$39.59	\$88.67	1	\$128.26	\$88.67	\$250.00
Power Mulcher (Reinco M90)	6.00	\$7.03	\$88.67	1	\$95.70	\$88.67	\$250.00

Subtotals: **\$456.80** **\$354.68** **\$1,000.00****ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 3/4 T.	\$32.80	1	\$32.80	\$32.80

Subtotals: **\$32.80** **\$32.80**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: CRAIG, CO
 Total one-way travel distance: 28.00 miles
 Average Travel Speed: 50.00 mph

Total Non-Roadable Mob/Demob Cost * \$3,822.46
 * two round trips with haul rig:
 Total Roadable Mob/Demob Cost ** \$36.74
 ** one round trip, no haul rig:

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	<u>0.56</u>	<u>0.56</u>
Return Time (Hours):	<u>0.56</u>	<u>0.56</u>
Loading Time (Hours):	<u>0.50</u>	<u>NA</u>
Unloading Time (Hours):	<u>0.50</u>	<u>NA</u>
Subtotals:	<u>2.12</u>	<u>1.12</u>

JOB TIME AND COST

Total job time: 4.24 Hours

Total job cost: \$3,859

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Secondary Mobilization**Site: **Taylor Pit**Permit Action: **2016-05**Permit/Job#: **M2013006****PROJECT IDENTIFICATION**Task #: **08A**State: **Colorado**Abbreviation: **None**Date: **5/18/2016**County: **Moffat**Filename: **M006-08a**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:	\$16.63	\$18.37	\$22.33
Operating Cost/Hour:	\$44.38	\$46.13	\$50.07
Operator Cost/Hour:	\$27.66	\$27.66	\$27.66
Helper Cost/Hour:	\$0.00	\$25.39	\$25.39
Total Unit Cost/Hour:	\$88.67	\$117.55	\$125.45

NON ROADABLE EQUIPMENT:

Machine Description	Weight/ Unit (TONS)	Owner ship Cost/hr/ unit	Haul Rig Cost/hr/unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Drill/Broadcast Seeder with Tractor	25.00	\$39.59	\$88.67	1	\$128.26	\$88.67	\$250.00
Power Mulcher (Reinco M90)	6.00	\$7.03	\$88.67	1	\$95.70	\$88.67	\$250.00
Subtotals:					\$223.96	\$177.34	\$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.	\$32.80	1	\$32.80	\$32.80
Subtotals:			\$32.80	\$32.80

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: CRAIG, CO
 Total one-way travel distance: 28.00 miles
 Average Travel Speed: 50.00 mph

Total Non-Roadable Mob/Demob Cost * \$1,897.38
 * two round trips with haul rig:
 Total Roadable Mob/Demob Cost ** \$36.74
 ** one round trip, no haul rig:

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.56	0.56
Return Time (Hours):	0.56	0.56
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	2.12	1.12

JOB TIME AND COST

Total job time: 4.24 Hours

Total job cost: \$1,934