

# STATE OF COLORADO

## DIVISION OF RECLAMATION, MINING AND SAFETY

Department of Natural Resources

1313 Sherman St., Room 215

Denver, Colorado 80203

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John W. Hickenlooper  
Governor

Mike King  
Executive Director

Loretta E. Piñeda  
Director

April 9, 2014

Mr. David Cressler  
Coal Bed Creek Construction, Inc.  
03037 CR 2  
Dove Creek, CO 81324

**Re: CBC Gravel Pit, Permit No. M-2009-030, Financial Warranty Increase, Revision No. SI-1**

Dear Mr. Cressler:

On April 9, 2014 the Division of Reclamation, Mining and Safety increased the current Financial Warranty for this permit to \$10,166.62, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of \$1,188.62.

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. If you wish to submit a different type of Financial Warranty, please contact me such that I may send you the applicable form.

If you have any questions, please contact me.

Sincerely,

Kate A. Pickford  
Environmental Protection Specialist

cc: Travis H. Marshall, DRMS

## COST SUMMARY WORK

Task description: 2014 Inspection

Site: CBC Gravel Pit

Permit Action: 2014 Inspection

Permit/Job#: M2009030

### PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 4/8/2014

County: Dolores

Filename: M030-000

User: KAP

Agency or organization name: DRMS

### TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Grade Pit Slopes and Floor	DOZER	1	5.90	\$816.75
002	Haul Construction Debris to be Backfilled In Pit	LOADER	1	2.60	\$220.00
003	Spread Construction Debris Over Pit Floor	DOZER	1	4.91	\$679.44
004	Spread Erathen Cap over Construction Debris	DOZER	1	1.00	\$138.67
005	Carry Topsoil to Pit for Spreading	LOADER	1	4.37	\$370.00
006	Spread Topsoil Over Disturbed Area	DOZER	1	4.51	\$624.02
007	Rip Compaction on Disturbed Area	RIPPER	1	5.03	\$697.00
008	Revegetation	REVEGE	1	0.00	\$2,198.90
009	Mobilize	MOBILIZE	1	6.00	\$2,022.66
<b>SUBTOTALS:</b>				<b>34.32</b>	<b>\$7,767.44</b>

### INDIRECT COSTS

#### OVERHEAD AND PROFIT:

Liability insurance: 0.00%  
Performance bond: 0.00%  
Job superintendent: 17.16 hrs  
Profit: 10.00%

Total = \$0.00

Total = \$0.00

Total = \$1,122.44

Total = \$776.74

TOTAL O & P = \$1,899.18

CONTRACT AMOUNT (direct + O & P) = \$9,666.62

#### LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): 500.00  
Engineering work and/or contract/bid preparation: 0.00%  
Reclamation management and/or administration: 0.00%

Total = 500.00

Total = \$0.00

\$0.00

CONTINGENCY: 0.00

Total = \$0.00

TOTAL INDIRECT COST = \$2,399.18

**TOTAL BOND AMOUNT (direct + indirect) = \$10,166.62**

BULLDOZER WORKTask description: Grade Pit Slopes and FloorSite: CBC Gravel PitPermit Action: 2014 InspectionPermit/Job#: M2009030PROJECT IDENTIFICATIONTask #: 001State: ColoradoAbbreviation: NoneDate: 4/8/2014County: DoloresFilename: M030-001User: KAPAgency or organization name: DRMSHOURLY EQUIPMENT COSTBasic Machine: Cat D6T LGPHorsepower: 200Blade Type: StraightAttachment: 3-shank ripperShift Basis: 1 per dayData Source: (CRG)Cost Breakdown:

		<u>Utilization %</u>
Ownership Cost/Hour:	\$35.09	NA
Operating Cost/Hour:	\$65.97	100
Ripper op. Cost/Hour:	\$0.00	100
Operator Cost/Hour:	\$37.41	NA

Total unit Cost/Hour: \$0.00Total Fleet Cost/Hour: \$138.47MATERIAL QUANTITIESInitial Volume: 800Swell factor: 1.165Loose volume: 932 LCYSource of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell factor: Cat HandbookHOURLY PRODUCTIONAverage push distance: 50 feetUnadjusted hourly production: 444.6 LCY/hrMaterials consistency description: Compacted fill or embankment 0.9Average push gradient: 0 %Average site altitude: 7,800 feetMaterial weight: 2,900 lbs/LCYWeight description: Decomposed rock - 50% Rock, 50% EarthJob Condition Correction Factor

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	0.900	(CAT HB))
Dozing method:	1.000	(GEN.)

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.793	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3554

Adjusted unit production: 158.01 LCY/hr

Adjusted fleet production: 158.01 LCY/hr

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)  
 Unit cost: \$0.876/LCY

Total job time: 5.90 Hours  
 Total job cost: \$816.75

**WHEEL LOADER – LOAD AND CARRY WORK**Task description: Haul Construction Debris to be Backfilled In PitSite: CBC Gravel PitPermit Action: 2014 InspectionPermit/Job#: M2009030**PROJECT IDENTIFICATION**Task #: 002State: ColoradoAbbreviation: NoneDate: 4/8/2014County: DoloresFilename: M030-002User: KAPAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: CAT 928HZHorsepower: 149Attachment 1: ROPS CabShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		Utilization %
Ownership Cost/Hour:	\$16.07	NA
Operating Cost/Hour:	\$32.67	100
Operator Cost/Hour:	\$35.82	NA
Total Unit Cost/Hour:	\$84.55	
Total Fleet Cost/Hour:	\$84.55	

**MATERIAL QUANTITIES**Initial volume: 500

CCY

Swell factor: 1.000Loose volume: 500

LCY

Source of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Loader Cycle Time: Unadjusted Basic Cycle Time (load, dump, maneuver): 0.475 minutes

Cycle Time Factors		Factor (min.)	Source
Material:	Bank or broken material 0.04	0.040	(Cat HB)
Stockpile:	Dumped by truck 0.02	0.020	(Cat HB)
Truck Ownership:	No adjustment - factor not applicable 0.00	0.000	(Cat HB)
Operation:	Inconsistent operation 0.04	0.040	(Cat HB)
Dump Target:	No adjustment - factor not applicable 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		0.100	minutes
Adjusted Basic Cycle Time:		0.575	minutes

**Rolling Resistance – Road Conditions**Haul: Rutted dirt, little maintenance, no water, 2" tire penetration 5.0Return: 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	0.00	5.00	5.00	0.1411	(Cat HB)
Return Route:	200	0.00	5.00	5.00	0.1411	(Cat HB)

Total Travel Time: 0.2822 minutes  
Total Cycle Time: 0.8572 minutes

Load Bucket Capacity

Rated Capacity: 3.00 LCY (heaped)  
Bucket Fill Factor: 1.100 Other - rock/dirt mixtures (100-120%) 1.100  
Adjusted Capacity: 3.30 LCY

Job Condition Correction FactorsSite Altitude: 7800 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: 231.00 LCY/Hour  
Adjusted Hourly Unit Production: 191.73 LCY/Hour  
Adjusted Hourly Fleet Production: 191.73 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Loader(s) Total job time: 2.61 Hours  
Unit cost: \$0.441 /LCY Total job cost: \$220.00

BULLDOZER WORKTask description: Spread Construction Debris Over Pit FloorSite: CBC Gravel PitPermit Action: 2014 InspectionPermit/Job#: M2009030PROJECT IDENTIFICATIONTask #: 003State: ColoradoAbbreviation: NoneDate: 4/8/2014County: DoloresFilename: M030-003User: KAPAgency or organization name: DRMSHOURLY EQUIPMENT COSTBasic Machine: Cat D6T LGPHorsepower: 200Blade Type: StraightAttachment: 3-shank ripperShift Basis: 1 per dayData Source: (CRG)Cost Breakdown:

		<u>Utilization %</u>
Ownership Cost/Hour:	\$35.09	NA
Operating Cost/Hour:	\$65.97	100
Ripper op. Cost/Hour:	\$0.00	100
Operator Cost/Hour:	\$37.41	NA

Total unit Cost/Hour: \$0.00Total Fleet Cost/Hour: \$138.47MATERIAL QUANTITIESInitial Volume: 500Swell factor: 1.000Loose volume: 500 LCYSource of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell factor: Cat HandbookHOURLY PRODUCTIONAverage push distance: 50 feetUnadjusted hourly production: 444.6 LCY/hrMaterials consistency description: Rock, poorly ripped or blasted 0.6Average push gradient: 0 %Average site altitude: 7,800 feetMaterial weight: 3,000 lbs/LCYWeight description: User ProvidedJob Condition Correction Factor

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	0.600	(CAT HB)
Dozing method:	1.000	(GEN.)

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.767	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.2292

Adjusted unit production: 101.90 LCY/hr

Adjusted fleet production: 101.9 LCY/hr

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)  
Unit cost: \$1.359/LCY

Total job time: 4.91 Hours  
Total job cost: \$679.44

BULLDOZER WORKTask description: Spread Erathen Cap over Construction DebrisSite: CBC Gravel PitPermit Action: 2014 InspectionPermit/Job#: M2009030PROJECT IDENTIFICATIONTask #: 004State: ColoradoAbbreviation: NoneDate: 4/8/2014County: DoloresFilename: M030-004User: KAPAgency or organization name: DRMSHOURLY EQUIPMENT COSTBasic Machine: Cat D6T LGPHorsepower: 200Blade Type: StraightAttachment: 3-shank ripperShift Basis: 1 per dayData Source: (CRG)Cost Breakdown:

		<u>Utilization %</u>
Ownership Cost/Hour:	\$35.09	NA
Operating Cost/Hour:	\$65.97	100
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$37.41	NA

Total unit Cost/Hour: \$0.00Total Fleet Cost/Hour: \$138.47MATERIAL QUANTITIESInitial Volume: 200Swell factor: 1.000Loose volume: 200 LCYSource of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell factor: Cat HandbookHOURLY PRODUCTIONAverage push distance: 50 feetUnadjusted hourly production: 444.6 LCY/hrMaterials consistency description: Consolidated stockpile 1.0Average push gradient: 0 %Average site altitude: 7,800 feetMaterial weight: 2,550 lbs/LCYWeight description: Earth - Dry packedJob Condition Correction Factor

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

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4492

Adjusted unit production: 199.71 LCY/hr

Adjusted fleet production: 199.71 LCY/hr

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)  
Unit cost: \$0.693/LCY

Total job time: 1.00 Hours  
Total job cost: \$138.67

WHEEL LOADER – LOAD AND CARRY WORKTask description: Carry Topsoil to Pit for SpreadingSite: CBC Gravel PitPermit Action: 2014 InspectionPermit/Job#: M2009030PROJECT IDENTIFICATION

Task #: 005 State: Colorado Abbreviation: None  
 Date: 4/8/2014 County: Dolores Filename: M030-005  
 User: KAP

Agency or organization name: DRMSHOURLY EQUIPMENT COST

Basic Machine: CAT 928HZ Horsepower: 149  
 Attachment 1: ROPS Cab Shift Basis: 1 per day  
 Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	\$16.07	NA
Operating Cost/Hour:	\$32.67	100
Operator Cost/Hour:	\$35.82	NA
Total Unit Cost/Hour:	\$84.55	
Total Fleet Cost/Hour:	\$84.55	

MATERIAL QUANTITIES

Initial volume: 950 CCY Swell factor: 1.000  
 Loose volume: 950 LCY

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

HOURLY PRODUCTIONLoader Cycle Time: Unadjusted Basic Cycle Time (load, dump, maneuver): 0.475 minutes

Cycle Time Factors		Factor (min.)	Source
Material:	Material 3/4" to 6" diameter 0.00	0.000	(Cat HB)
Stockpile:	No adjustment - factor not applicable 0.00	0.000	(Cat HB)
Truck Ownership:	No adjustment - factor not applicable 0.00	0.000	(Cat HB)
Operation:	No adjustment - factor not applicable 0.00	0.000	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		0.000	minutes
Adjusted Basic Cycle Time:		0.475	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	0.00	5.00	5.00	0.1411	(Cat HB)
Return Route:	200	0.00	5.00	5.00	0.1411	(Cat HB)

Total Travel Time: 0.2822 minutes  
 Total Cycle Time: 0.7572 minutes

Load Bucket Capacity

Rated Capacity: 3.00 LCY (heaped)  
 Bucket Fill Factor: 1.100 Other - rock/dirt mixtures (100-120%) 1.100  
 Adjusted Capacity: 3.30 LCY

Job Condition Correction Factors

Site Altitude: 7800 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: 261.50 LCY/Hour  
 Adjusted Hourly Unit Production: 217.05 LCY/Hour  
 Adjusted Hourly Fleet Production: 217.05 LCY/Hour

**JOB TIME AND COST**

Fleet size: 1 Loader(s) Total job time: 4.38 Hours  
 Unit cost: \$0.390 /LCY Total job cost: \$370.00

BULLDOZER WORKTask description: Spread Topsoil Over Disturbed AreaSite: CBC Gravel PitPermit Action: 2014 InspectionPermit/Job#: M2009030PROJECT IDENTIFICATIONTask #: 006  
Date: 4/8/2014  
User: KAPState: Colorado  
County: DoloresAbbreviation: None  
Filename: M030-006Agency or organization name: DRMSHOURLY EQUIPMENT COSTBasic Machine: Cat D6T LGP  
Horsepower: 200  
Blade Type: Straight  
Attachment: 3-shank ripper  
Shift Basis: 1 per day  
Data Source: (CRG)Cost Breakdown:

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$35.09</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$65.97</u>	<u>100</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$37.41</u>	<u>NA</u>

Total unit Cost/Hour: \$0.00  
Total Fleet Cost/Hour: \$138.47MATERIAL QUANTITIESInitial Volume: 800  
Swell factor: 1.125  
Loose volume: 900 LCYSource of estimated volume: Division of Reclamation, Mining & Safety  
Source of estimated swell factor: Cat HandbookHOURLY PRODUCTIONAverage push distance: 50 feet  
Unadjusted hourly production: 444.6 LCY/hrMaterials consistency description: Consolidated stockpile 1.0Average push gradient: 0 %  
Average site altitude: 7,800 feetMaterial weight: 2,550 lbs/LCYWeight description: Earth - Dry packedJob Condition Correction Factor

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

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4492

Adjusted unit production: 199.71 LCY/hr

Adjusted fleet production: 199.71 LCY/hr

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)

Unit cost: \$0.693/LCY

Total job time: 4.51 Hours

Total job cost: \$624.02

## BULLDOZER RIPPING WORK

Task description: Rip Compaction on Disturbed Area

Site: CBC Gravel Pit Permit Action: 2014 Inspection Permit/Job#: M2009030

### PROJECT IDENTIFICATION

Task #: 007 State: Colorado Abbreviation: None  
Date: 4/8/2014 County: Dolores Filename: M030-007  
User: KAP

Agency or organization name: DRMS

### HOURLY EQUIPMENT COST

Basic Machine: Cat D6T LGP Horsepower: 200  
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day  
Data Source: (CRG)

#### Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	\$35.09	NA
Operating Cost/Hour:	\$65.97	100
Ripper Operating Cost/Hour:	\$0.00	100
Operator Cost/Hour:	\$37.41	NA
Total Unit Cost/Hour:	\$138.47	
Total Fleet Cost/Hour:	<b>\$138.47</b>	

### MATERIAL QUANTITIES

Selected estimating method: Area

#### Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA  
Area: 3.00 acres Rip Depth (ft): 0.50 Volume: 2,420 BCY or CCY

Source of estimated quantity: Reclamation Plan

### HOURLY PRODUCTION

#### Seismic:

Seismic Velocity: NA feet/second

#### Area:

Average Ripping Depth: 1.64 mph  
Average Ripping Width: 6.58 degrees  
Average Ripping Length: 200.00 feet  
Average Dozer Speed: 88.00 feet  
Average Maneuver Time: 0.25 feet  
Production per unit area: 0.719 acres/hour

#### Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.719 Acres/hr  
Site Altitude: 7,800 feet  
Altitude Adj: 1.00 (CAT HB)  
Job Efficiency: 0.83 (1 shift/day)  
Net Correction: 0.83 multiplier  
Adjusted Hourly Unit Production: 0.60 Acres/hr  
Adjusted Hourly Fleet Production: 0.60 Acres/hr

### JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 5.03 Hours

Unit cost: \$232.182 Per acre Total job cost: \$697.00

REVEGETATION WORKTask description: RevegetationSite: CBC Gravel PitPermit Action: 2014 InspectionPermit/Job#: M2009030PROJECT IDENTIFICATIONTask #: 008State: ColoradoAbbreviation: NoneDate: 4/8/2014County: DoloresFilename: M030-008User: KAPAgency 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
Weed control spraying (MEANS 31 31 16.13 3100)	\$145.20
<b>Total Tilling Cost/Acre</b>	<b>\$145.20</b>

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Crested Wheatgrass - Standard	15.00	68.87	\$33.30
<b>Totals Seed Mix</b>	<b>15.00</b>	<b>68.87</b>	<b>\$33.30</b>

**Application**

Description	Cost /Acre
Broadcast seeding [DMG]	\$261.28
<b>Total Seed Application Cost/Acre</b>	<b>\$261.28</b>

**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: 4                      Cost /Acre: \$439.78  
 Estimated Failure Rate: 25%                      Cost /Acre\*: \$439.78  
 \*Selected Replanting Work Items: TILLING,SEEDING

Initial Job Cost: \$1,759.12  
 Reseeding Job Cost: \$439.78  
 Total Job Cost: \$2,198.90  
 Job Hours: 0.00

**EQUIPMENT MOBILIZATION/DEMOBILIZATION**Task description: MobilizeSite: CBC Gravel PitPermit Action: 2014 InspectionPermit/Job#: M2009030**PROJECT IDENTIFICATION**Task #: 009State: ColoradoAbbreviation: NoneDate: 4/8/2014County: DoloresFilename: M030-009User: KAPAgency 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:**

<b>Available Rig Capacities</b>	<b>0-25 Tons</b>	<b>26-50 Tons</b>	<b>51+ Tons</b>
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 D6T LGP	28.63	\$0.00	\$117.55	1	\$117.55	\$117.55	\$0.00
CAT 928HZ	13.91	\$16.07	\$88.67	1	\$104.74	\$88.67	\$0.00
Drill/Broadcast Seeder with Tractor	25.00	\$39.59	\$88.67	1	\$128.26	\$88.67	\$0.00

Subtotals: **\$350.55** **\$294.89** **\$0.00****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.	\$15.34	1	\$15.34	\$15.34

Subtotals: **\$15.34** **\$15.34**

**EQUIPMENT HAUL DISTANCE and Time**

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

Total Non-Roadable Mob/Demob Cost \* \$1,991.98  
 \* two round trips with haul rig:  
 Total Roadable Mob/Demob Cost \*\* \$30.68  
 \*\* one round trip, no haul rig:

**Transportation Cycle Time:**

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	<u>1.00</u>	<u>1.00</u>
Return Time (Hours):	<u>1.00</u>	<u>1.00</u>
Loading Time (Hours):	<u>0.50</u>	<u>NA</u>
Unloading Time (Hours):	<u>0.50</u>	<u>NA</u>
Subtotals:	<u>3.00</u>	<u>2.00</u>

**JOB TIME AND COST**

Total job time: 6.00 Hours

Total job cost: \$2,022.66