



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

November 7, 2023

Bryan Malouff
RMS Utilities, Inc.
6349 County Rd. 106.65 S.
Alamosa, CO 81101

Re: Del Norte NKSJ Pit - File No. M-2012-007
RMS Utilities, Inc.
Surety Increase (SI-1)
Surety Increase 1

Dear Bryan Malouff:

On November 7, 2023 the Division of Reclamation, Mining and Safety increased the current Financial Warranty for this permit to \$27,873.00, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of \$12,253.00.

Please see the July 19, 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 (November 7, 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 January 6, 2024, if the amount of any increased Financial Warranty has not been provided.

Bond Held:	\$15,620.00
Prior Liability:	\$15,620.00
Change in Liability:	\$12,253.00
Revised Liability:	\$27,873.00
Prior Permit Acreage:	9.80



Change in Permit Acreage:	0.00
Revised Permit Acreage:	9.80
Prior Affected Acreage:	9.80
Change in Affected Acreage:	0.00
Revised Affected Acreage:	9.80

If you have any questions, please contact me by telephone at (303) 866-3567 x 8107, or by email at Todd.jesse@state.co.us.

Sincerely,



Todd Jesse
Environmental Protection Specialist

Bryan Malouff, RMS Utilities, Inc.

COST SUMMARY WORK

Task description: Cost Summary

Site: Del Norte NKSJN Pit

Permit Action: SI-01

Permit/Job#: M2012007

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 9/7/2023

County: Rio Grande

Filename: M007-000

User: TJ1

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Reduce highwalls to 3:1	DOZER	1	6.02	\$2,654
002	Dispose of debris	DEMOLISH	1	1.00	\$84
003	Rip compaction on roads and pit floor	RIPPER	1	6.02	\$2,701
004	Carry topsoil from stockpile	LOADER	1	30.43	\$3,637
005	Spread topsoil on slopes	DOZER	1	0.79	\$347
006	Spread topsoil on pit floor	DOZER	1	4.26	\$1,908
007	Revegetation of disturbed areas	REVEGE	1	10.00	\$7,519
008	Haul reclamation equipment to and from site	MOBILIZE	1	3.44	\$3,405
009	Secondary Mob for Reseeding	MOBILIZE	1	3.44	\$801
<u>SUBTOTALS:</u>				65.4	\$23,056

INDIRECT COSTS

OVERHEAD AND PROFIT:

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

Total = \$466
Total = \$242
Total = \$0
Total = \$2,306

TOTAL O & P = \$3,013

CONTRACT AMOUNT (direct + O & P) = \$26,069

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$500
Engineering work and/or contract/bid preparation: 0.00
Reclamation management and/or administration: 5.00

Total = \$500
Total = \$0
Total = \$1,303

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$4,817

TOTAL BOND AMOUNT (direct + indirect) = \$27,873

BULLDOZER WORKTask description: **Reduce highwalls to 3:1**Site: **Del Norte NKS N Pit**Permit Action: **SI-01**Permit/Job#: **M2012007****PROJECT IDENTIFICATION**Task #: **001**State: **Colorado**Abbreviation: **None**Date: **9/7/2023**County: **Rio Grande**Filename: **M007-001**User: **TJ1**Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Basic Machine: **Cat D8T - 8SU**Horsepower: **310**Blade Type: **Semi-Universal**Attachment: **3-shank ripper**Shift Basis: **1 per day**Data Source: **(CRG)****Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$241.38	NA
Operating Cost/Hour:	\$143.92	100
Ripper own. Cost/Hour:	\$14.11	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$41.30	NA

Total unit Cost/Hour: **\$440.71**Total Fleet Cost/Hour: **\$440.71****MATERIAL QUANTITIES**Initial Volume: **2,333**Swell factor: **1.330**Loose volume: **3,103 LCY**Source of estimated volume: **Division of Reclamation, Mining & Safety**Source of estimated swell
factor: **Cat Handbook****HOURLY PRODUCTION**Average push distance: **60 feet**Unadjusted hourly
production: **1,246.9 LCY/hr**Materials consistency description: **Compacted fill or embankment 0.9**Average push
gradient: **-15 %**Average site altitude: **7,850 feet**Material weight: **2,900 lbs/LCY**Weight description: **Decomposed rock - 50% Rock, 50% Earth****Job Condition Correction Factor****Source**

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:	0.700	(FND-MF)
Push gradient:	1.329	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.793	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4133

Adjusted unit
production: 515.34 LCY/hr

Adjusted fleet
production: **515.34** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.855/LCY

Total job time: **6.02** Hours

Total job cost: **\$2,654**

DEMOLITION WORK

Task description: Dispose of debris

Site: Del Norte NKSN Pit

Permit Action: SI-01

Permit/Job#: M2012007

PROJECT IDENTIFICATION

Task #: 002

State: Colorado

Abbreviation: None

Date: 9/7/2023

County: Rio Grande

Filename: M007-002

User: TJ1

Agency or organization name: DRMS

UNIT COSTS

Location adjustment: 99.50 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Misc debris	20 cy	Excavate disposal pit with dozer (includes completed pit backfilling/grading)	20.00	CY	\$2.04	\$40.89
Bury debris in pit	20 cy	Push demolished materials/rubble/debris into pit - Max. 100 ft. push	20.00	CY	\$1.18	\$23.66
Demolish shed	8ft x 12 ft	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 50 ft. push	96.00	CF	\$0.20	\$19.55

Job Hours: 1.00

Subtotal
(unadjusted): \$84.10

Total Cost
(adjusted for location): \$83.68

BULLDOZER RIPPING WORK

Task description: Rip compaction on roads and pit floor

Site: Del Norte NKS N Pit

Permit Action: SI-01

Permit/Job#: M2012007

PROJECT IDENTIFICATION

Task #: 003

State: Colorado

Abbreviation: None

Date: 9/7/2023

County: Rio Grande

Filename: M007-003

User: TJ1

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D8T - 8SU

Horsepower: 310

Ripper Attachment: 3-Shank Ripper

Shift Basis: 1 per day

Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	\$241.38	NA
Operating Cost/Hour:	\$143.92	100
Ripper Ownership Cost/Hour:	\$14.11	NA
Ripper Operating Cost/Hour:	\$7.45	100
Operator Cost/Hour:	\$41.30	NA
Total Unit Cost/Hour:	\$448.16	
Total Fleet Cost/Hour:	\$448.16	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA

Bank Volume: NA

BCY NA

Area: 4.00 acres

Rip Depth (ft): 1.00

Volume: 6,453

BCY or CCY

Source of estimated quantity: New 110 plan and maps

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth:	<u>2.56</u>	feet/pass
Average Ripping Width:	<u>7.08</u>	feet/pass
Average Ripping Length:	<u>300.00</u>	feet/pass
Average Dozer Speed:	<u>88.00</u>	feet/minute
Average Maneuver Time:	<u>0.25</u>	minutes/pass
Production per unit area:	<u>0.800</u>	acres/hour

Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.800 Acres/hr

Site Altitude: 7,850 feet

Altitude Adj: 1.00 (CAT HB)

Job Efficiency: 0.83 (1 shift/day)

Net Correction: 0.83 multiplier

Adjusted Hourly Unit Production: 0.66 Acres/hr

Adjusted Hourly Fleet Production: 0.66 Acres/hr

JOB TIME AND COST

Fleet size: 1

Grader(s)

Total job time: 6.03

Hours

Unit cost: \$675.321

Per acre

Total job cost: \$2,701

WHEEL LOADER – LOAD AND CARRY WORKTask description: Carry topsoil from stockpileSite: Del Norte NKS N PitPermit Action: SI-01Permit/Job#: M2012007**PROJECT IDENTIFICATION**Task #: 004State: ColoradoAbbreviation: NoneDate: 9/7/2023County: Rio GrandeFilename: M007-004User: TJ1Agency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: CAT 938HAttachment 1: ROPS CabHorsepower: 172Shift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		Utilization %
Ownership Cost/Hour:	\$43.90	NA
Operating Cost/Hour:	\$34.86	100
Operator Cost/Hour:	\$40.71	NA
Total Unit Cost/Hour:	\$119.47	
Total Fleet Cost/Hour:	\$119.47	

MATERIAL QUANTITIESInitial volume: 3,226

CCY

Swell factor: 1.215Loose volume: 3,920

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):

0.483

minutes

Cycle Time Factors		Factor (min.)	Source
Material:	No adjustment - factor not applicable 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:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		-0.040	minutes
Adjusted Basic Cycle Time:		0.443	minutes

Rolling Resistance – Road ConditionsHaul: 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:	700	0.00	5.00	5.00	0.6414	(Cat HB)

Return Route:	700	0.00	5.00	5.00	0.5752	(Cat HB)
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Total Travel Time: 1.2166 minutes
Total Cycle Time: 1.6591 minutes

Load Bucket Capacity

Rated Capacity: 3.90 LCY (heaped)
Bucket Fill Factor: 1.100 Other - rock/dirt mixtures (100-120%) 1.100
Adjusted Capacity: 4.29 LCY

Job Condition Correction Factors

Site Altitude: 7850 feet

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

Unadjusted Hourly Unit Production: 155.14 LCY/Hour
Adjusted Hourly Unit Production: 128.77 LCY/Hour
Adjusted Hourly Fleet Production: 128.77 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Loader(s) Total job time: 30.44 Hours
Unit cost: \$0.928 /LCY Total job cost: \$3,637

BULLDOZER WORKTask description: Spread topsoil on slopesSite: Del Norte NKS N PitPermit Action: SI-01Permit/Job#: M2012007**PROJECT IDENTIFICATION**Task #: 005State: ColoradoAbbreviation: NoneDate: 9/7/2023County: Rio GrandeFilename: M007-005User: TJ1Agency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D8T - 8SUHorsepower: 310Blade Type: Semi-UniversalAttachment: 3-shank ripperShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$241.38	NA
Operating Cost/Hour:	\$143.92	100
Ripper own.		
Cost/Hour:	\$14.11	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$41.30	NA

Total unit Cost/Hour: \$440.71Total Fleet Cost/Hour: **\$440.71****MATERIAL QUANTITIES**Initial Volume: 980Swell factor: 1.000Loose volume: **980 LCY**Source of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 60 feetUnadjusted hourly production: 1,246.9 LCY/hrMaterials consistency description: Loose stockpile 1.2Average push gradient: -15 %Average site altitude: 7,850 feetMaterial weight: 1,600 lbs/LCYWeight description: Top SoilJob Condition Correction FactorSource

Operator Skill:	0.750	(AVG.)
Material consistency:	1.200	(CAT HB)
Dozing method:	1.000	(GEN.)
Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.700	(FND-MF)
Push gradient:	1.329	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.9993

Adjusted unit
production: 1,246.03 LCY/hr
Adjusted fleet
production: **1246.03** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.354/LCY

Total job time: **0.79** Hours
Total job cost: **\$347**

BULLDOZER WORKTask description: Spread topsoil on pit floorSite: Del Norte NKS PitPermit Action: SI-01Permit/Job#: M2012007**PROJECT IDENTIFICATION**Task #: 006State: ColoradoAbbreviation: NoneDate: 9/7/2023County: Rio GrandeFilename: M007-006User: TJ1Agency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D8T - 8SUHorsepower: 310Blade Type: Semi-UniversalAttachment: 3-shank ripperShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$241.38	NA
Operating Cost/Hour:	\$143.92	100
Ripper own.		
Cost/Hour:	\$14.11	NA
Ripper op. Cost/Hour:	\$7.45	100
Operator Cost/Hour:	\$41.30	NA

Total unit Cost/Hour: \$448.16Total Fleet Cost/Hour: **\$448.16****MATERIAL QUANTITIES**Initial Volume: 2,940Swell factor: 1.000Loose volume: **2,940 LCY**Source of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 90 feetUnadjusted hourly production: 918.4 LCY/hrMaterials consistency description: Loose stockpile 1.2Average push gradient: 0 %Average site altitude: 7,850 feetMaterial weight: 1,600 lbs/LCYWeight description: Top SoilJob Condition Correction FactorSource

Operator Skill:	0.750	(AVG.)
Material consistency:	1.200	(CAT HB)
Dozing method:	1.000	(GEN.)
Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.700	(FND-MF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.7519

Adjusted unit
production: 690.54 LCY/hr
Adjusted fleet
production: **690.54** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.649/LCY

Total job time: **4.26** Hours
Total job cost: **\$1,908**

REVEGETATION WORKTask description: Revegetation of disturbed areasSite: Del Norte NKS N PitPermit Action: SI-01Permit/Job#: M2012007**PROJECT IDENTIFICATION**Task #: 007State: ColoradoAbbreviation: NoneDate: 9/7/2023County: Rio GrandeFilename: M007-007User: TJ1Agency 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
Weed control spraying (MEANS 31 31 16.13 3100)	\$338.80
Total Tilling Cost/Acre	\$338.80

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Nespar	0.90	2.91	\$7.99
Crested Wheatgrass - Ephraim	1.50	6.89	\$6.49
Russian Wildrye - Bozoisky	0.50	2.01	\$3.24
Western Wheatgrass - Arriba	2.00	5.05	\$13.00
Totals Seed Mix	4.90	16.86	\$30.72

Application

Description	Cost /Acre
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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
			\$	\$
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: 10 Cost /Acre: \$601.52
 Estimated Failure Rate: 25% Cost /Acre*: \$601.52
 *Selected Replanting Work Items: TILLING,SEEDING

Initial Job Cost: **\$6,015.20**
 Reseeding Job Cost: **\$1,503.80**
 Total Job Cost: **\$7,519**
 Job Hours: **10.00**

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Haul reclamation equipment to and from site**Site: **Del Norte NKS N Pit**Permit Action: **SI-01**Permit/Job#: **M2012007****PROJECT IDENTIFICATION**Task #: **008**State: **Colorado**Abbreviation: **None**Date: **9/7/2023**County: **Rio Grande**Filename: **M007-008**User: **TJ1**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 D8T - 8SU	47.71	\$241.38	\$158.17	1	\$399.55	\$158.17	\$250.00
CAT 938H	16.34	\$43.90	\$82.29	1	\$126.19	\$82.29	\$250.00
Drill/Broadcast Seeder with Tractor	25.00	\$6.73	\$82.29	1	\$89.02	\$82.29	\$250.00

Subtotals: **\$614.76** **\$322.75** **\$750.00****ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
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Subtotals: **\$0.00** **\$0.00**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: MONTE VISTA
 Total one-way travel distance: 18.00 miles
 Average Travel Speed: 50.00 mph

Total Non-Roadable Mob/Demob Cost * \$3,404.53
 ** two round trips with haul rig:
 Total Roadable Mob/Demob Cost ** \$0.00
 ** one round trip, no haul rig:

Transportation Cycle Time:

	Non- Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.36	0.36
Return Time (Hours):	0.36	0.36
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.72	0.72

JOB TIME AND COST

Total job time: 3.44 Hours

Total job cost: \$3,405

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Secondary Mob for Reseeding**Site: **O'Rourke Pit**Permit Action: SI-01Permit/Job#: M2012007**PROJECT IDENTIFICATION**Task #: 009State: ColoradoAbbreviation: NoneDate: 9/7/2023County: Rio GrandeFilename: M007-009User: TJ1Agency 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
Drill/Broadcast Seeder with Tractor	25.00	\$6.73	\$82.29	1	\$89.02	\$82.29	\$250.00

Subtotals: **\$89.02** **\$82.29** **\$250.00****ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
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Subtotals: **\$0.00** **\$0.00**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	MONTE VISTA	
Total one-way travel distance:	18.00	miles
Average Travel Speed:	50.00	mph

Total Non-Roadable Mob/Demob Cost *	\$801.38
** two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	\$0.00
** one round trip, no haul rig:	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.36	0.36
Return Time (Hours):	0.36	0.36
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.72	0.72

JOB TIME AND COST

Total job time:	3.44	Hours
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Total job cost:	\$801
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