



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

July 26, 2024

Franchesca Mallonee
Oldcastle SW Group, Inc. dba Four Corners Materials
9755 CR 213
Durango, CO 81303

Re: Simmons Pit - File No. M-2009-024
Oldcastle SW Group, Inc. dba Four Corners Materials
Surety Increase (SI-2)
Surety Increase to \$230,601

Dear Franchesca Mallonee:

On July 26, 2024 the Division of Reclamation, Mining and Safety increased the current Financial Warranty for this permit to \$230,601.00, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of \$84,128.15.

The increase in the Financial Warranty is due to the increase in the cost of fuel, equipment, and labor since the last update.

Please see the June 11, 2024 inspection report for details regarding why this surety increase is required.

On July 26, 2024, the Division ordered amendment of the current Financial Warranty or submittal of a new Financial Warranty reflecting the increase, within 60 days.

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, 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 if the amount of any increased Financial Warranty has not been provided by September 24, 2024.

Bond Held:	\$146,472.85
Prior Liability:	\$146,472.85



Change in Liability:	\$84,128.15
Revised Liability:	\$230,601.00
Prior Permit Acreage:	94.00
Change in Permit Acreage:	0.00
Revised Permit Acreage:	94.00
Prior Affected Acreage:	94.00
Change in Affected Acreage:	0.00
Revised Affected Acreage:	94.00

If you have any questions, please contact me by telephone at (720) 688-0626, or by email at Todd.jesse@state.co.us.

Sincerely,



Todd Jesse
Environmental Protection Specialist

COST SUMMARY WORK

Task description: Cost Summary

Site: Simmons Pit

Permit Action: 2024

Permit/Job#: M2009024

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 7/3/2024

County: Montezuma

Filename: M024-000

User: TJ1

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Demolish structures	DEMOLISH	1	6.00	\$741
002	Highwall Reduction, balanced cut and fill	DOZER	1	10.35	\$3,330
003	Highwall Reduction, backfill	SCRAPER1	1	7.11	\$11,430
004	Rip and Grade Pit Floor	DOZER	1	24.38	\$7,842
005	Replace OVB for Mine Areas 1 and 2	SCRAPER1	1	71.17	\$89,895
006	Replace Topsoil 12 inches deep over Mine Areas 1 and 2	SCRAPER1	1	26.69	\$33,710
007	Revegetate 3:1V slopes for rangeland post-mining land use	REVEGE	1	4.00	\$30,096
008	Mobilize	MOBILIZE	1	7.20	\$10,785
009	Secondary Mobilize	MOBILIZE	1	7.20	\$1,207
<u>SUBTOTALS:</u>				164.1	\$189,036

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$3,819

Performance bond: 1.05

Total = \$1,985

Job superintendent: 0.00

Total = \$0

Profit: 10.00

Total = \$18,904

TOTAL O & P = \$24,707

CONTRACT AMOUNT (direct + O & P) = \$213,743

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$500

Total = \$500

Engineering work and/or contract/bid preparation: 0.00

Total = \$0

Reclamation management and/or administration: 5.00

\$10,687

CONTINGENCY: 3.00

Total = \$5,671

TOTAL INDIRECT COST = \$41,565

TOTAL BOND AMOUNT (direct + indirect) = \$230,601

DEMOLITION WORK

Task description: Demolish structures

Site: Simmons Pit

Permit Action: 2024

Permit/Job#: M2009024

PROJECT IDENTIFICATION

Task #: 001

State: Colorado

Abbreviation: None

Date: 7/3/2024

County: Montezuma

Filename: M024-001

User: TJ1

Agency or organization name: DRMS

UNIT COSTS

Location adjustment: 89.00 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
truck scales foundation	20'L x 1.5'w x 3'd	Demo. and on-site disposal in existing pit, 1.5 ft. x 3 ft. - Max. 10,000 ft. haul	40.00	LF	\$10.41	\$416.35
Concrete plant foundation	20'l x 1.5'w x 3'd	Demo. and on-site disposal in existing pit, 1.5 ft. x 3 ft. - Max. 10,000 ft. haul	40.00	LF	\$10.41	\$416.35

Job Hours: 6.00

Subtotal
(unadjusted): \$832.70

Total Cost
(adjusted for location): \$741.10

BULLDOZER WORKTask description: **Highwall Reduction, balanced cut and fill**Site: **Simmons Pit** Permit Action: **2024** Permit/Job#: **M2009024****PROJECT IDENTIFICATION**

Task #: **002** State: **Colorado** Abbreviation: **None**
 Date: **7/3/2024** County: **Montezuma** Filename: **M024-002**
 User: **TJ1**

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

Basic Machine: **Cat D8T - 8SU**
 Horsepower: **310**
 Blade Type: **Semi-Universal**
 Attachment: **NA**
 Shift Basis: **1 per day**
 Data Source: **(CRG)**

Cost Breakdown:

		<u>Utilization %</u>
Ownership Cost/Hour:	\$173.32	NA
Operating Cost/Hour:	\$109.71	100
Ripper own. Cost/Hour:	\$0.00	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$38.59	NA

Total unit Cost/Hour: **\$321.62**
 Total Fleet Cost/Hour: **\$321.62**

MATERIAL QUANTITIES

Initial Volume: **6,847**
 Swell factor: **1.000**
 Loose volume: **6,847 LCY**

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

HOURLY PRODUCTION

Average push distance: **50 feet**
 Unadjusted hourly production: **1,400.0 LCY/hr**

Materials consistency description: **Compacted fill or embankment 0.9**

Average push gradient: **-15 %**
 Average site altitude: **6,870 feet**

Material weight: **2,900 lbs/LCY**Weight description: **Decomposed rock - 50% Rock, 50% Earth****Job 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:	1.329	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.793	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4724

Adjusted unit production: 661.36 LCY/hr

Adjusted fleet production: **661.36** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.486/LCY

Total job time: **10.35** Hours

Total job cost: **\$3,330**

SCRAPER TEAM WORKTask description: **Highwall Reduction, backfill**Site: **Simmons Pit**Permit Action: 2024Permit/Job#: M2009024**PROJECT IDENTIFICATION**Task #: 003State: ColoradoAbbreviation: NoneDate: 7/3/2024County: MontezumaFilename: M024-003User: TJ1Agency or organization name: DRMS**HOURLY EQUIPMENT**COSTShift basis: 1 per day

	Equipment Description
-Scraper:	Cat 637G w/push-pull
-Dozer:	NA
Support Equipment -Load Area:	Cat D8T - 8SU
-Dump Area:	NA
Road Maintenance -Motor Grader:	NA
-Water Truck:	NA

Cost Breakdown:**Scraper Work Team****Support Equipment****Maintenance Equipment**

	Scraper	Dozer	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	NA	100	NA	NA	NA
Ownership cost/hour:	\$281.32	NA	\$173.32	NA	NA	NA
Operating cost/hour:	\$319.35	NA	\$109.71	NA	NA	NA
%Utilization-ripper:	NA	NA	100	NA	NA	NA
Ripper own. cost/hour:	NA	NA	\$14.53	NA	NA	NA
Ripper op. cost/hour:	NA	NA	\$7.95	NA	NA	NA
Operator cost/hour:	\$30.90	NA	\$38.59	NA	NA	NA
Unit Subtotals:	\$631.57	NA	\$344.10	NA	NA	NA
Number of Units:	2	0	1	0	0	0
Group Subtotals:	Work: \$1,263.14		Support: \$344.10		Maint:	\$0.00

Total work team cost/hour: **\$1,607.24****MATERIAL QUANTITIES**Initial volume: 5,267

CCY

Swell factor: 1.000Loose volume: **5,267**

LCY

Source of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION****Scraper Bowl (volume) Basis:**

Material weight:	<u>2,650 lbs/LCY</u>	Struck Volume:	<u>24.00</u>	LCY
Material description:	<u>Decomposed rock - 25% Rock, 75% Earth</u>	Heaped Volume:	<u>34.00</u>	LCY
Rated Payload:	<u>81,600 pounds</u>	Average Volume:	<u>29.00</u>	LCY
Payload Capacity:	<u>30.79 LCY</u>	Adjusted Capacity:	<u>29.00</u>	LCY

Cycle Time:Scraper Loading Time: 1.00 MinutesManeuver and Spread Time: 0.60 MinutesJob Condition Correction:

Site Altitude: 6870 feet

	Scraper	Push Dozer	Source
Altitude Adj:	1.000	NA	(CAT HB)
Job Efficiency:	0.830	NA	(CAT HB)
Net Correction:	0.830	NA	

Travel Time:Road Condition: Soft, rutted dirt, no maintenance or water, 4" tire penetration 8.0Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	1440.00	2.40	8.00	10.40	922	1.59

Haul Time: 1.59 minutesReturn Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	1440.00	-2.40	8.00	5.60	2638	0.71

Return Time: 0.71 minutesTotal Scraper team cycle time: 3.90 minutesAdjusted for job conditions: 740.62 LCY/HourSelected Number of Scrapers: 2 Scraper(s)Adjusted single scraper team (unit) hourly production: 740.62 LCY/HourAdjusted multiple scraper team (fleet) hourly production: 740.62 LCY/HourUnadjusted unit production/hour: 892.31 LCY/Hour

Optimal Number of Scrapers per push dozer: _____

JOB TIME AND COSTFleet size: 1 Team(s)Total job time: 7.11 HoursUnit cost: \$2.170 /LCYTotal job cost: \$11,430

BULLDOZER WORKTask description: **Rip and Grade Pit Floor**Site: **Simmons Pit** Permit Action: 2024 Permit/Job#: M2009024**PROJECT IDENTIFICATION**

Task #: 004 State: Colorado Abbreviation: None
 Date: 7/3/2024 County: Montezuma Filename: M024-004
 User: TJ1

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

Basic Machine: Cat D8T - 8SU
 Horsepower: 310
 Blade Type: Semi-Universal
 Attachment: NA
 Shift Basis: 1 per day
 Data Source: (CRG)

Cost Breakdown:

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$173.32</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$109.71</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$321.62
 Total Fleet Cost/Hour: **\$321.62**

MATERIAL QUANTITIES

Initial Volume: 12,132
 Swell factor: 1.000
 Loose volume: **12,132 LCY**

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

HOURLY PRODUCTION

Average push distance: 50 feet
 Unadjusted hourly production: 1,400.0 LCY/hr

Materials consistency description: Compacted fill or embankment 0.9

Average push gradient: 0 %
 Average site altitude: 6,870 feet

Material weight: 2,900 lbs/LCYWeight description: Decomposed rock - 50% Rock, 50% Earth**Job Condition Correction Factor**

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

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: 497.56 LCY/hr

Adjusted fleet production: **497.56** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.646/LCY

Total job time: **24.38** Hours

Total job cost: **\$7,842**

SCRAPER TEAM WORKTask description: **Replace OVB for Mine Areas 1 and 2**Site: **Simmons Pit**Permit Action: 2024Permit/Job#: M2009024**PROJECT IDENTIFICATION**Task #: 005State: ColoradoAbbreviation: NoneDate: 7/3/2024County: MontezumaFilename: M024-005User: TJ1Agency or organization name: DRMS**HOURLY EQUIPMENT**COSTShift basis: 1 per day

	Equipment Description
-Scraper:	Cat 637G w/push-pull
-Dozer:	NA
Support Equipment -Load Area:	NA
-Dump Area:	NA
Road Maintenance -Motor Grader:	NA
-Water Truck:	NA

Cost Breakdown:**Scraper Work Team****Support Equipment****Maintenance Equipment**

	Scraper	Dozer	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	NA	NA	NA	NA	NA
Ownership cost/hour:	\$281.32	NA	NA	NA	NA	NA
Operating cost/hour:	\$319.35	NA	NA	NA	NA	NA
%Utilization-ripper:	NA	NA	NA	NA	NA	NA
Ripper own. cost/hour:	NA	NA	NA	NA	NA	NA
Ripper op. cost/hour:	NA	NA	NA	NA	NA	NA
Operator cost/hour:	\$30.90	NA	NA	NA	NA	NA
Unit Subtotals:	\$631.57	NA	NA	NA	NA	NA
Number of Units:	2	0	0	0	0	0
Group Subtotals:	Work: \$1,263.14		Support:	\$0.00	Maint:	\$0.00

Total work team cost/hour: **\$1,263.14****MATERIAL QUANTITIES**Initial volume: 52,708

CCY

Swell factor: 1.000Loose volume: **52,708**

LCY

Source of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION****Scraper Bowl (volume) Basis:**

Material weight:	<u>2,650 lbs/LCY</u>	Struck Volume:	<u>24.00</u>	LCY
Material description:	<u>Decomposed rock - 25% Rock,</u>	Heaped Volume:	<u>34.00</u>	LCY
	<u>75% Earth</u>			
Rated Payload:	<u>81,600 pounds</u>	Average Volume:	<u>29.00</u>	LCY
Payload Capacity:	<u>30.79 LCY</u>	Adjusted Capacity:	<u>29.00</u>	LCY

Cycle Time:Scraper Loading Time: 1.00 MinutesManeuver and Spread Time: 0.60 MinutesJob Condition Correction:

Site Altitude: 6870 feet

	Scraper	Push Dozer	Source
Altitude Adj:	1.000	NA	(CAT HB)
Job Efficiency:	0.830	NA	(CAT HB)
Net Correction:	0.830	NA	

Travel Time:Road Condition: Soft, rutted dirt, no maintenance or water, 4" tire penetration 8.0Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	1440.00	2.40	8.00	10.40	922	1.59

Haul Time: 1.59 minutesReturn Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	1440.00	-2.40	8.00	5.60	2638	0.71

Return Time: 0.71 minutesTotal Scraper team cycle time: 3.90 minutesAdjusted for job conditions: 740.62 LCY/HourSelected Number of Scrapers: 2 Scraper(s)Adjusted single scraper team (unit) hourly production: 740.62 LCY/HourAdjusted multiple scraper team (fleet) hourly production: 740.62 LCY/HourUnadjusted unit production/hour: 892.31 LCY/Hour

Optimal Number of Scrapers per push dozer: _____

JOB TIME AND COSTFleet size: 1 Team(s)Total job time: 71.17 HoursUnit cost: \$1.706 /LCYTotal job cost: \$89,895

SCRAPER TEAM WORKTask description: **Replace Topsoil 12 inches deep over Mine Areas 1 and 2**Site: **Simmons Pit**Permit Action: 2024Permit/Job#: M2009024**PROJECT IDENTIFICATION**Task #: 006State: ColoradoAbbreviation: NoneDate: 7/3/2024County: MontezumaFilename: M024-006User: TJ1Agency or organization name: DRMS**HOURLY EQUIPMENT**COSTShift basis: 1 per day

Equipment Description	
-Scraper:	Cat 637G w/push-pull
-Dozer:	NA
Support Equipment -Load Area:	NA
-Dump Area:	NA
Road Maintenance -Motor Grader:	NA
-Water Truck:	NA

Cost Breakdown:**Scraper Work Team****Support Equipment****Maintenance Equipment**

	Scraper	Dozer	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	NA	NA	NA	NA	NA
Ownership cost/hour:	\$281.32	NA	NA	NA	NA	NA
Operating cost/hour:	\$319.35	NA	NA	NA	NA	NA
%Utilization-ripper:	NA	NA	NA	NA	NA	NA
Ripper own. cost/hour:	NA	NA	NA	NA	NA	NA
Ripper op. cost/hour:	NA	NA	NA	NA	NA	NA
Operator cost/hour:	\$30.90	NA	NA	NA	NA	NA
Unit Subtotals:	\$631.57	NA	NA	NA	NA	NA
Number of Units:	2	0	0	0	0	0
Group Subtotals:	Work: \$1,263.14		Support:	\$0.00	Maint:	\$0.00

Total work team cost/hour: **\$1,263.14****MATERIAL QUANTITIES**Initial volume: 17,569

CCY

Swell factor: 1.125Loose volume: **19,765**

LCY

Source of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION****Scraper Bowl (volume) Basis:**

Material weight:	<u>2,550 lbs/LCY</u>	Struck Volume:	<u>24.00</u>	LCY
Material description:	<u>Earth - Dry packed</u>	Heaped Volume:	<u>34.00</u>	LCY
Rated Payload:	<u>81,600 pounds</u>	Average Volume:	<u>29.00</u>	LCY
Payload Capacity:	<u>32.00 LCY</u>	Adjusted Capacity:	<u>29.00</u>	LCY

Cycle Time:Scraper Loading Time: 1.00 MinutesManeuver and Spread Time: 0.60 MinutesJob Condition Correction:

Site Altitude: 6870 feet

	Scraper	Push Dozer	Source
Altitude Adj:	1.000	NA	(CAT HB)
Job Efficiency:	0.830	NA	(CAT HB)
Net Correction:	0.830	NA	

Travel Time:Road Condition: Soft, rutted dirt, no maintenance or water, 4" tire penetration 8.0Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	1440.00	2.40	8.00	10.40	922	1.59

Haul Time: 1.59 minutesReturn Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	1440.00	-2.40	8.00	5.60	2638	0.71

Return Time: 0.71 minutesTotal Scraper team cycle time: 3.90 minutesAdjusted for job conditions: 740.62 LCY/HourSelected Number of Scrapers: 2 Scraper(s)Adjusted single scraper team (unit) hourly production: 740.62 LCY/HourAdjusted multiple scraper team (fleet) hourly production: 740.62 LCY/HourUnadjusted unit production/hour: 892.31 LCY/Hour

Optimal Number of Scrapers per push dozer: _____

JOB TIME AND COSTFleet size: 1 Team(s)Total job time: 26.69 HoursUnit cost: \$1.706 /LCYTotal job cost: \$33,710

REVEGETATION WORKTask description: Revegetate 3;1V slopes for rangeland post-mining land useSite: Simmons PitPermit Action: 2024Permit/Job#: M2009024**PROJECT IDENTIFICATION**Task #: 007State: ColoradoAbbreviation: NoneDate: 7/3/2024County: MontezumaFilename: M024-007User: TJ1Agency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
10-34-0, 18-46-0, 5-10-5	200.00	pound	\$0.51	\$102.32
			Total Fertilizer Materials Cost/Acre	\$102.32

Application

Description	Cost /Acre
Tractor towed spreader (MEANS 32 01 90.13 0120)	\$43.12
Total Fertilizer Application Cost/Acre	\$43.12

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Weed control spraying (MEANS 31 31 16.13 3100)	\$338.80
Total Tilling Cost/Acre	\$456.41

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Meadow Brome - Fleet	1.75	1.61	\$9.14
Orchardgrass - Potomac	2.00	24.79	\$8.76
Totals Seed Mix	3.75	26.40	\$17.90

Application

Description	Cost /Acre
Drill Seeding (DRMS Survey Cost)	\$236.64

Total Seed Application Cost/Acre	\$236.64
---	-----------------

MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$492.78	\$985.56
Total Mulch Materials Cost/Acre				\$985.56

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$85.37
Power mulcher (MEANS 32 91 13.16 0350)	\$157.25
Total Mulch Application Cost/Acre	\$242.63

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: 11.55 Cost /Acre: \$2,084.58
 Estimated Failure Rate: 25% Cost /Acre*: \$2,084.58
 *Selected Replanting Work Items: FERTILIZING,TILLING,SEEDING,MU
LCHING

Initial Job Cost: **\$24,076.90**
 Reseeding Job Cost: **\$6,019.22**
 Total Job Cost: **\$30,096**
 Job Hours: **4.00**

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Mobilize**Site: **Simmons Pit**Permit Action: **2024**Permit/Job#: **M2009024****PROJECT IDENTIFICATION**Task #: **008**State: **Colorado**Abbreviation: **None**Date: **7/3/2024**County: **Montezuma**Filename: **M024-008**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:	\$10.44	\$22.18	\$23.94
Operating Cost/Hour:	\$26.48	\$54.55	\$55.65
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52
Helper Cost/Hour:	\$0.00	\$23.53	\$23.53
Total Unit Cost/Hour:	\$59.44	\$122.78	\$125.64

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	\$173.32	\$122.78	2	\$592.20	\$245.56	\$0.00
Cat 637G w/push-pull	59.59	\$281.32	\$125.64	2	\$813.92	\$251.28	\$0.00
Drill/Broadcast Seeder with Tractor	25.00	\$41.02	\$59.44	1	\$100.46	\$59.44	\$250.00

Subtotals: **\$1,506.58** **\$556.28** **\$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.	\$13.77	1	\$13.77	\$13.77

Subtotals: **\$13.77** **\$13.77**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: CORTREZ
 Total one-way travel distance: 15.00 miles
 Average Travel Speed: 50.00 mph

Total Non-Roadable Mob/Demob Cost * \$10,777.20
 ** two round trips with haul rig:
 Total Roadable Mob/Demob Cost ** \$8.26
 ** one round trip, no haul rig:

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.30	0.30
Return Time (Hours):	0.30	0.30
Loading Time (Hours):	1.50	NA
Unloading Time (Hours):	1.50	NA
Subtotals:	3.60	0.60

JOB TIME AND COST

Total job time: 7.20 Hours

Total job cost: \$10,785

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: Secondary MobilizeSite: Simmons PitPermit Action: 2024Permit/Job#: M2009024**PROJECT IDENTIFICATION**Task #: 009State: ColoradoAbbreviation: NoneDate: 7/3/2024County: MontezumaFilename: M024-009User: 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:	\$10.44	\$22.18	\$23.94
Operating Cost/Hour:	\$26.48	\$54.55	\$55.65
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52
Helper Cost/Hour:	\$0.00	\$23.53	\$23.53
Total Unit Cost/Hour:	\$59.44	\$122.78	\$125.64

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	\$41.02	\$59.44	1	\$100.46	\$59.44	\$250.00

Subtotals: **\$100.46** **\$59.44** **\$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.	\$13.77	1	\$13.77	\$13.77

Subtotals: **\$13.77** **\$13.77**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: CORTREZ
 Total one-way travel distance: 15.00 miles
 Average Travel Speed: 50.00 mph

Total Non-Roadable Mob/Demob Cost * \$1,198.70
 ** two round trips with haul rig:
 Total Roadable Mob/Demob Cost ** \$8.26
 ** one round trip, no haul rig:

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.30	0.30
Return Time (Hours):	0.30	0.30
Loading Time (Hours):	1.50	NA
Unloading Time (Hours):	1.50	NA
Subtotals:	3.60	0.60

JOB TIME AND COST

Total job time: 7.20 Hours

Total job cost: \$1,207