



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

September 17, 2025

Jason Burkey
Oldcastle SW Group, Inc. dba United Companies of Mesa County
2273 River Road
Grand Junction, CO 81502

Re: North Bank Resources - File No. M-2006-018
Oldcastle SW Group, Inc. dba United Companies of Mesa County
Surety Increase (SI-1)
Surety Increase to \$267,433

Dear Jason Burkey:

On September 17, 2025 the Division of Reclamation, Mining and Safety increased the current Financial Warranty for this permit to \$267,432.00, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of \$35,856.00.

The Calculations estimate the cost of reclamation to be \$267,432. The increase in the Financial Warranty is due to the increases in the cost of fuel, equipment, and labor since the last update.

Please see the May 27, 2025 inspection report for details regarding why this surety increase is required.

On September 17, 2025, 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 November 16, 2025.

Bond Held:	\$231,576.00
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Prior Liability:	\$231,576.00
Change in Liability:	\$35,856.00
Revised Liability:	\$267,432.00
Prior Permit Acreage:	237.67
Change in Permit Acreage:	0.00
Revised Permit Acreage:	237.67
Prior Affected Acreage:	93.00
Change in Affected Acreage:	0.00
Revised Affected Acreage:	93.00

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: _____

Site: North Bank Resources

Permit Action: 2025-06

Permit/Job#: M2006018

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 6/16/2025

County: Garfield

Filename: M018-000

User: TJ1

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	B-Secondary Seeding of upland areas 35% of 5.6 ac	REVEGE	1	3.00	\$3,763
01b	B-Secondary Seeding of riparian areas 35% of 3.3 ac	REVEGE	1	2.00	\$3,201
02a	A-Demo Conveyor	DEMOLISH	1	40.00	\$60,367
03a	A- Dewater SE pit for grading	PUMPING	1	121.41	\$8,497
03b	A- Dewater SW pit for grading	PUMPING	1	9.16	\$641
04a	A-Reduce slopes to 3H:1V	DOZER	2	55.17	\$35,486
05a	A-Rip compacted areas to be reveg	RIPPER	2	12.46	\$8,580
06a	A-Transport topsoil to E	LOADER	2	39.36	\$12,381
06b	A-Transport topsoil to W	LOADER	2	16.55	\$5,208
06c	A-Distribute topsoil	DOZER	2	15.85	\$10,194
07a	A-Seeding of upland areas	REVEGE	1	23.00	\$42,248
07b	A-Seeding of riparian areas	REVEGE	1	2.50	\$6,333
08a	Initial Mobilization	MOBILIZE	1	2.40	\$10,029
08b	Secondary Mobilization	MOBILIZE	1	2.40	\$1,449
<u>SUBTOTALS:</u>				345.26	\$208,377

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$4,209

Performance bond: 1.05

Total = \$2,188

Job superintendent: 110.00

Total = \$8,720

Profit: 10.00

Total = \$20,838

TOTAL O & P = \$35,955

CONTRACT AMOUNT (direct + O & P) = \$244,332

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

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

Total = \$500

Engineering work and/or contract/bid preparation: 4.25

Total = \$10,384

Reclamation management and/or administration: 5.00

\$12,217

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$59,055

TOTAL BOND AMOUNT (direct + indirect) = \$267,432

REVEGETATION WORKTask description: **B-Secondary Seeding of upland areas 35% of 5.6 ac**Site: **North Bank Resources**Permit Action: 2025-06Permit/Job#: M2006018**PROJECT IDENTIFICATION**Task #: 01AState: ColoradoAbbreviation: NoneDate: 6/16/2025County: GarfieldFilename: M018-01aUser: 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
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Alkali Sacaton	2.00	78.05	\$58.17
Alkaligrass, Fult's	2.00	55.10	\$14.70
Blue Grama - Native	1.00	16.32	\$21.33
Bottlebrush Squirreltail	1.00	4.41	\$25.41
Galleta	1.00	3.65	\$55.44
Western Wheatgrass - Arriba	2.50	6.31	\$22.58
Saltgrass, Inland	0.50	6.93	\$24.92
Totals Seed Mix	10.00	170.77	\$222.53

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
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$4.13	\$4.13
Herbicide - Glyphosate (Journey)@ 1.0 pt/ac	1.00	ACRE	\$3.86	\$3.86
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$492.78	\$985.56
Total Mulch Materials Cost/Acre				\$993.55

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$85.37
Power mulcher (MEANS 32 91 13.16 0350)	\$157.25
Weed spray, truck, aquatic area, nox. [DMG]	\$79.77
Weed spray, truck, non-aquatic areas, ann. [DMG]	\$27.19
Total Mulch Application Cost/Acre	\$349.58

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: 1.96 Cost /Acre: \$1,919.91
 Estimated Failure Rate: 0% Cost /Acre*: \$0.00
 *Selected Replanting Work Items: NONE

Initial Job Cost: **\$3,763.02**
 Reseeding Job Cost: **\$0.00**
 Total Job Cost: **\$3,763**
 Job Hours: **3.00**

REVEGETATION WORKTask description: B-Secondary Seeding of riparian areas 35% of 3.3 acSite: North Bank ResourcesPermit Action: 2025-06Permit/Job#: M2006018**PROJECT IDENTIFICATION**Task #: 01BState: ColoradoAbbreviation: NoneDate: 6/16/2025County: GarfieldFilename: M018-01bUser: 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
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Alkali Sacaton	1.50	58.54	\$43.63
Alkali Bulrush	0.10	0.99	\$6.40
Creeping Spike Rush	0.10	1.42	\$14.56
Alkaligrass, Fult's	0.10	2.75	\$0.73
Common Rush	0.90	151.35	\$188.00
Common Three Square	0.80	7.35	\$140.81
Beaked Sedge	1.50	12.48	\$406.65
Softstem Bulrush	0.80	10.10	\$94.15
Torrey's Rush	0.40	96.00	\$110.76
Nebraska Sedge	0.30	6.28	\$44.02

Western Wheatgrass - Native	0.30	0.76	\$2.70
Saltgrass, Inland	0.10	1.39	\$4.98
Totals Seed Mix	6.90	349.42	\$1,057.39

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
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$4.13	\$4.13
Herbicide - Glyphosate (Journey)@ 1.0 pt/ac	1.00	ACRE	\$3.86	\$3.86
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$492.78	\$985.56
Total Mulch Materials Cost/Acre				\$993.55

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$85.37
Power mulcher (MEANS 32 91 13.16 0350)	\$157.25
Weed spray, truck, aquatic area, annuals [DMG]	\$31.79
Weed spray, truck, aquatic area, nox. [DMG]	\$79.77
Total Mulch Application Cost/Acre	\$354.18

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: 1.16 Cost /Acre: \$2,759.37
 Estimated Failure Rate: 0% Cost /Acre*: \$0.00
 *Selected Replanting Work Items: NONE

Initial Job Cost: \$3,200.87
 Reseeding Job Cost: \$0.00
 Total Job Cost: \$3,201
 Job Hours: 2.00

DEMOLITION WORK

Task description: **A-Demo Conveyor**

Site: **North Bank Resources**

Permit Action: 2025-06

Permit/Job#: M2006018

PROJECT IDENTIFICATION

Task #: 02A

State: Colorado

Abbreviation: None

Date: 6/16/2025

County: Garfield

Filename: M018-02a

User: TJ1

Agency or organization name: DRMS

UNIT COSTS

Location adjustment: 95.50 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Conveyor-Belt Structure	900 LF x 10'W x 4'H	Conveyor, Demolition Cost only	36,000.00	CF	\$0.44	\$15,685.20
Conveyor-Load/Haul Belt Structure	36000 CF	Loading and 2 mile haul, no salvage - Machine loading	1,333.00	CY	\$21.15	\$28,192.95
Conveyor- Haul Belt Structure	11 mi x 75 Trips	Hauling only, per mile, 12-18 CY truck - 50 mph average speed	825.00	MI	\$4.43	\$3,657.64
Conveyor-Demo Footers	4 pairs	Demo. and on-site disposal in existing pit, 2.0 ft. x 3 ft. - Max. 10,000 ft. haul	32.00	LF	\$13.88	\$444.11
Conveyor-metal suport load/haul	4 pairs (2'Diam x	Loading and 2 mile haul, no salvage - Machine loading	12.00	CY	\$21.15	\$253.80
Conveyor-metal supports haul	11 mi x 12 cy	Hauling only, per mile, 12-18 CY truck - 50 mph average speed	11.00	MI	\$4.43	\$48.77
Conveyor-Disposal	All non-rubble materials	Dump fees - Building construction materials.	1,345.00	CY	\$11.10	\$14,929.50

Job Hours: **40.00**

Subtotal
(unadjusted): **\$63,211.97**

Total Cost
(adjusted for location): **\$60,367.43**

PUMPING WORK

Task description: A- Dewater SE pit for grading

Site: North Bank Resources

Permit Action: 2025-06

Permit/Job#: M2006018

PROJECT IDENTIFICATION

Task #: 03A

State: Colorado

Abbreviation: None

Date: 6/16/2025

County: Garfield

Filename: M018-03a

User: TJ1

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

	Description	Quantity
Make and Model:	Submersible pump - 460v, 8 in.	3
Attachment 1:	Suction hose - 6 in. diam., 25 ft.	3
Attachment 2:	Discharge hose - 6 in. D., 25 ft.	24
Labor Unit 1:	Pump operator	1

Horsepower: 95

Shift Basis: 1 per day

Weight: 0.70

(US Tons)

Cost Breakdown:

	Utilization %
Ownership Cost/Hour: <u>\$34.71</u>	<u>NA</u>
Operating Cost/Hour: <u>\$13.20</u>	<u>100</u>
Operator Cost/Hour: <u>\$22.07</u>	<u>NA</u>
Total Unit Cost/Hour: <u>\$69.98</u>	

Total Fleet Cost/Hour: \$69.98

PUMPING QUANTITIES

Initial Pond Volume: <u>164.00</u>		Conversion factor: <u>325850.5800</u>
Final Pond Volume: <u>53,439,495.12</u>	gallons	
Total Pond Inflow Surface Area: <u>357,192</u>	Sq. ft.	Unit inflow rate in gph/sq. ft.: <u>0.3516</u>
Total Pond Inflow Volume per Hour: <u>125,588.71</u>	gallons	

Source of estimated volume: 8.2 ac 20' D

PUMPING TIME

Maximum Pump Capacity: <u>170,000</u>	gph/pump
Estimated Suction Head: <u>5</u>	feet
Estimated Discharge Head: <u>10</u>	feet
Total Head: <u>15</u>	feet
CPB Pump Capacity: <u>168,000</u>	gph/pump
Site Altitude: <u>5,350</u>	feet
Adjusted Pumping Capacity: <u>504,000</u>	gph
Initial Unadjusted Pumping Time: <u>106.03</u>	hours
Inflow during Initial Pumping: <u>13,316,264</u>	gallons
Net Unadjusted Pumping Time: <u>132.45</u>	Hours
Altitude Adjustment Factor: <u>1.0000</u>	(3% rule)
Pump Efficiency Factor: <u>0.9167</u>	(55 min./hr.)
Total Adjusted Pumping Time: <u>121.42</u>	hours

JOB TIME AND COST

Total job time: 121.42 Hours

Unit cost: \$0.000127 /Gallon

Total job cost: \$8,497

PUMPING WORK

Task description: A- Dewater SW pit for grading

Site: North Bank Resources

Permit Action: 2025-06

Permit/Job#: M2006018

PROJECT IDENTIFICATION

Task #: 03B

State: Colorado

Abbreviation: None

Date: 6/16/2025

County: Garfield

Filename: M018-03b

User: TJ1

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

	Description	Quantity
Make and Model:	Submersible pump - 460v, 8 in.	3
Attachment 1:	Suction hose - 6 in. diam., 25 ft.	3
Attachment 2:	Discharge hose - 6 in. D., 25 ft.	24
Labor Unit 1:	Pump operator	1

Horsepower: 95

Shift Basis: 1 per day

Weight: 0.70

(US Tons)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	\$34.71	NA
Operating Cost/Hour:	\$13.20	100
Operator Cost/Hour:	\$22.07	NA
Total Unit Cost/Hour:	\$69.98	

Total Fleet Cost/Hour: \$69.98

PUMPING QUANTITIES

Initial Pond Volume:	<u>15.00</u>		Conversion factor:	<u>325850.5800</u>
Final Pond Volume:	<u>4,887,758.70</u>	gallons		
Total Pond Inflow Surface Area:	<u>43,560</u>	Sq. ft.	Unit inflow rate in gph/sq. ft.:	<u>0.3516</u>
Total Pond Inflow Volume per Hour:	<u>15,315.70</u>	gallons		

Source of estimated volume: 1 ac 15' D

PUMPING TIME

Maximum Pump Capacity:	<u>170,000</u>	gph/pump
Estimated Suction Head:	<u>5</u>	feet
Estimated Discharge Head:	<u>10</u>	feet
Total Head:	<u>15</u>	feet
CPB Pump Capacity:	<u>168,000</u>	gph/pump
Site Altitude:	<u>5,350</u>	feet
Adjusted Pumping Capacity:	<u>504,000</u>	gph
Initial Unadjusted Pumping Time:	<u>9.70</u>	hours
Inflow during Initial Pumping:	<u>148,531</u>	gallons
Net Unadjusted Pumping Time:	<u>9.99</u>	Hours
Altitude Adjustment Factor:	<u>1.0000</u>	(3% rule)
Pump Efficiency Factor:	<u>0.9167</u>	(55 min./hr.)
Total Adjusted Pumping Time:	<u>9.16</u>	hours

JOB TIME AND COST

Total job time: 9.16 Hours

Unit cost: \$0.000127 /Gallon

Total job cost: \$641

BULLDOZER WORKTask description: **A-Reduce slopes to 3H:1V**Site: **North Bank Resources** Permit Action: **2025-06** Permit/Job#: **M2006018****PROJECT IDENTIFICATION**

Task #: 04A State: Colorado Abbreviation: None
 Date: 6/16/2025 County: Garfield Filename: M018-04a
 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: **\$643.23**

MATERIAL QUANTITIES

Initial Volume: 27,147
 Swell factor: 1.050
 Loose volume: **28,504 LCY**

Source of estimated volume: Staff Estimates
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 100 feet
 Unadjusted hourly production: 852.6 LCY/hr

Materials consistency description: Compacted fill or embankment 0.9

Average push gradient: 0 %
 Average site altitude: 5,350 feet

Material weight: 3,400 lbs/LCYWeight description: Sand and gravel - Wet

<u>Job Condition Correction Factor</u>	<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	(FND-RF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.676	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3030

Adjusted unit production: 258.34 LCY/hr

Adjusted fleet production: **516.68** LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)

Unit cost: \$1.245/LCY

Total job time: **55.17** Hours

Total job cost: **\$35,486**

BULLDOZER RIPPING WORK

Task description: A-Rip compacted areas to be reveg

Site: North Bank Resources Permit Action: 2025-06 Permit/Job#: M2006018

PROJECT IDENTIFICATION

Task #: 05A State: Colorado Abbreviation: None
Date: 6/16/2025 County: Garfield Filename: M018-05a
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:	<u>\$173.32</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$109.71</u>	<u>100</u>
Ripper Ownership Cost/Hour:	<u>\$14.53</u>	<u>NA</u>
Ripper Operating Cost/Hour:	<u>\$7.95</u>	<u>100</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$344.10</u>	
Total Fleet Cost/Hour:	<u>\$688.19</u>	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 16.00 acres Rip Depth (ft): 2.00 Volume: 51,627 BCY or CCY

Source of estimated quantity: Staff Estimates

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth:	<u>2.56</u>	<u>feet/pass</u>
Average Ripping Width:	<u>7.08</u>	<u>feet/pass</u>
Average Ripping Length:	<u>200.00</u>	<u>feet/pass</u>
Average Dozer Speed:	<u>88.00</u>	<u>feet/minute</u>
Average Maneuver Time:	<u>0.25</u>	<u>minutes/pass</u>
Production per unit area:	<u>0.773</u>	<u>acres/hour</u>

Job Condition Correction Factors

Unadjusted Hourly Unit Production:	<u>0.773</u>	<u>Acres/hr</u>
Site Altitude:	<u>5,350</u>	<u>feet</u>
Altitude Adj:	<u>1.00</u>	<u>(CAT HB)</u>
Job Efficiency:	<u>0.83</u>	<u>(1 shift/day)</u>
Net Correction:	<u>0.83</u>	<u>multiplier</u>

Adjusted Hourly Unit Production: 0.64 Acres/hr
Adjusted Hourly Fleet Production: 1.28 Acres/hr

JOB TIME AND COST

Fleet size: 2 Grader(s) Total job time: 12.47 Hours

Unit cost: \$536.229 Per acre Total job cost: \$8,580

WHEEL LOADER – LOAD AND CARRY WORKTask description: A-Transport topsoil to ESite: North Bank ResourcesPermit Action: 2025-06Permit/Job#: M2006018**PROJECT IDENTIFICATION**Task #: 06AState: ColoradoAbbreviation: NoneDate: 6/16/2025County: GarfieldFilename: M018-06aUser: TJ1Agency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: CAT 972HAttachment 1: ROPS CabHorsepower: 287Shift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		Utilization %
Ownership Cost/Hour:	\$62.43	NA
Operating Cost/Hour:	\$57.98	100
Operator Cost/Hour:	\$36.85	NA
Total Unit Cost/Hour:	\$157.26	
Total Fleet Cost/Hour:	\$314.53	

MATERIAL QUANTITIESInitial volume: 19,360

CCY

Swell factor: 1.115Loose volume: 21,586

LCY

Source of estimated volume: Approximate 12 ac. at 12" depth (East side of cell A)Source of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Loader Cycle Time: Unadjusted Basic Cycle Time (load, dump, maneuver): 0.525 minutes

Cycle Time Factors		Factor (min.)	Source
Material:	Material 1/8" to 3/4" diameter -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:		-0.090	minutes
Adjusted Basic Cycle Time:		0.435	minutes

Rolling Resistance – Road ConditionsHaul: Soft, rutted dirt, no maintenance or water, 4" tire penetration 8.0Return: 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:	350	-2.00	8.00	6.00	0.3485	(Cat HB)
Return Route:	350	2.00	5.00	7.00	0.3353	(Cat HB)

Total Travel Time: 0.6838 minutes
 Total Cycle Time: 1.1188 minutes

Load Bucket Capacity

Rated Capacity: 5.60 LCY (heaped)
 Bucket Fill Factor: 1.100 Other - rock/dirt mixtures (100-120%) 1.100
 Adjusted Capacity: 6.16 LCY

Job Condition Correction Factors

Site Altitude: 5350 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: 330.34 LCY/Hour
 Adjusted Hourly Unit Production: 274.18 LCY/Hour
 Adjusted Hourly Fleet Production: 548.36 LCY/Hour

JOB TIME AND COST

Fleet size: 2 Loader(s) Total job time: 39.37 Hours
 Unit cost: \$0.574 /LCY Total job cost: \$12,381

WHEEL LOADER – LOAD AND CARRY WORKTask description: A-Transport topsoil to WSite: North Bank ResourcesPermit Action: 2025-06Permit/Job#: M2006018**PROJECT IDENTIFICATION**Task #: 06BState: ColoradoAbbreviation: NoneDate: 6/16/2025County: GarfieldFilename: M018-06bUser: TJ1Agency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: CAT 972HAttachment 1: ROPS CabHorsepower: 287Shift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		Utilization %
Ownership Cost/Hour:	\$62.43	NA
Operating Cost/Hour:	\$57.98	100
Operator Cost/Hour:	\$36.85	NA
Total Unit Cost/Hour:	\$157.26	
Total Fleet Cost/Hour:	\$314.53	

MATERIAL QUANTITIESInitial volume: 6,453

CCY

Swell factor: 1.115Loose volume: 7,195

LCY

Source of estimated volume: Approximate 14 ac. at 12" depth (West side of cell A)Source of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Loader Cycle Time: Unadjusted Basic Cycle Time (load, dump, maneuver): 0.525 minutes

Cycle Time Factors		Factor (min.)	Source
Material:	Material 1/8" to 3/4" diameter -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:		-0.090	minutes
Adjusted Basic Cycle Time:		0.435	minutes

Rolling Resistance – Road ConditionsHaul: Soft, rutted dirt, no maintenance or water, 4" tire penetration 8.0Return: 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:	500	-2.00	8.00	6.00	0.4979	(Cat HB)
Return Route:	500	2.00	5.00	7.00	0.4790	(Cat HB)

Total Travel Time: 0.9769 minutes
 Total Cycle Time: 1.4119 minutes

Load Bucket Capacity

Rated Capacity: 5.60 LCY (heaped)
 Bucket Fill Factor: 1.100 Other - rock/dirt mixtures (100-120%) 1.100
 Adjusted Capacity: 6.16 LCY

Job Condition Correction Factors

Site Altitude: 5350 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: 261.77 LCY/Hour
 Adjusted Hourly Unit Production: 217.27 LCY/Hour
 Adjusted Hourly Fleet Production: 434.54 LCY/Hour

JOB TIME AND COST

Fleet size: 2 Loader(s) Total job time: 16.56 Hours
 Unit cost: \$0.724 /LCY Total job cost: \$5,208

BULLDOZER WORKTask description: **A-Distribute topsoil**Site: **North Bank Resources** Permit Action: **2025-06** Permit/Job#: **M2006018****PROJECT IDENTIFICATION**

Task #: 06C State: Colorado Abbreviation: None
 Date: 6/16/2025 County: Garfield Filename: M018-06c
 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: **\$643.23**

MATERIAL QUANTITIES

Initial Volume: 29,040
 Swell factor: 1.000
 Loose volume: **29,040 LCY**

Source of estimated volume: 18 ac 12" transported volume
 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: Loose stockpile 1.2

Average push gradient: 0 %
 Average site altitude: 5,350 feet

Material weight: 2,100 lbs/LCYWeight description: Earth - Loam**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>1.200</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	(FND-RF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.095	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.6544

Adjusted unit production: 916.16 LCY/hr

Adjusted fleet production: **1832.32** LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)

Unit cost: \$0.351/LCY

Total job time: **15.85** Hours

Total job cost: **\$10,194**

REVEGETATION WORKTask description: A-Seeding of upland areasSite: North Bank ResourcesPermit Action: 2025-06Permit/Job#: M2006018**PROJECT IDENTIFICATION**Task #: 07AState: ColoradoAbbreviation: NoneDate: 6/16/2025County: GarfieldFilename: M018-07aUser: 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
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Alkali Sacaton	2.00	78.05	\$58.17
Alkaligrass, Fult's	2.00	55.10	\$14.70
Blue Grama - Native	1.00	16.32	\$21.33
Bottlebrush Squirreltail	1.00	4.41	\$25.41
Galleta	1.00	3.65	\$55.44
Western Wheatgrass - Arriba	2.50	6.31	\$22.58
Saltgrass, Inland	0.50	6.93	\$24.92
Totals Seed Mix	10.00	170.77	\$222.53

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
			\$	\$
Total Mulch Materials Cost/Acre				\$

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$85.37
Power mulcher (MEANS 32 91 13.16 0350)	\$157.25
Weed spray, truck, aquatic area, nox. [DMG]	\$79.77
Weed spray, truck, non-aquatic areas, ann. [DMG]	\$27.19
Total Mulch Application Cost/Acre	\$349.58

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: 16.3 Cost /Acre: \$1,919.91
 Estimated Failure Rate: 35% Cost /Acre*: \$1,919.91
 *Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: **\$31,294.53**
 Reseeding Job Cost: **\$10,953.09**
 Total Job Cost: **\$42,248**
 Job Hours: **23.00**

REVEGETATION WORKTask description: A-Seeding of riparian areasSite: North Bank ResourcesPermit Action: 2025-06Permit/Job#: M2006018**PROJECT IDENTIFICATION**Task #: 07BState: ColoradoAbbreviation: NoneDate: 6/16/2025County: GarfieldFilename: M018-07bUser: 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
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Alkali Sacaton	1.50	58.54	\$43.63
Alkali Bulrush	0.10	0.99	\$6.40
Creeping Spike Rush	0.10	1.42	\$14.56
Alkaligrass, Fult's	0.10	2.75	\$0.73
Common Rush	0.90	151.35	\$188.00
Common Three Square	0.80	7.35	\$140.81
Beaked Sedge	1.50	12.48	\$406.65
Softstem Bulrush	0.80	10.10	\$94.15
Torrey's Rush	0.40	96.00	\$110.76
Nebraska Sedge	0.30	6.28	\$44.02

Western Wheatgrass - Native	0.30	0.76	\$2.70
Saltgrass, Inland	0.10	1.39	\$4.98
Totals Seed Mix	6.90	349.42	\$1,057.39

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
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$4.13	\$4.13
Herbicide - Glyphosate (Journey)@ 1.0 pt/ac	1.00	ACRE	\$3.86	\$3.86
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$492.78	\$985.56
Total Mulch Materials Cost/Acre				\$993.55

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$85.37
Power mulcher (MEANS 32 91 13.16 0350)	\$157.25
Weed spray, truck, aquatic area, annuals [DMG]	\$31.79
Weed spray, truck, aquatic area, nox. [DMG]	\$79.77
Total Mulch Application Cost/Acre	\$354.18

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: 1.7 Cost /Acre: \$2,759.37
 Estimated Failure Rate: 35% Cost /Acre*: \$2,759.37
 *Selected Replanting Work Items: TILLING,SEEDING,MULCHING
 Initial Job Cost: \$4,690.93
 Reseeding Job Cost: \$1,641.83
 Total Job Cost: \$6,333
 Job Hours: 2.50

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Initial Mobilization**Site: **North Bank Resources**Permit Action: **2025-06**Permit/Job#: **M2006018****PROJECT IDENTIFICATION**Task #: **08A**State: **Colorado**Abbreviation: **None**Date: **6/16/2025**County: **Garfield**Filename: **M018-08a**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
Grove RT760E, 110', 54.40 MT	42.34	\$176.37	\$122.78	1	\$299.15	\$122.78	\$250.00
Cat 385C L 18'-1" Stick	95.42	\$220.92	\$125.64	1	\$346.56	\$125.64	\$250.00
CAT 972H	28.00	\$62.43	\$122.78	2	\$370.42	\$245.56	\$500.00
CAT 973D	29.07	\$120.46	\$122.78	1	\$243.24	\$122.78	\$250.00
Cat D8T - 8SU	53.08	\$187.85	\$125.64	2	\$626.98	\$251.28	\$500.00
Drill/Broadcast Seeder with Tractor	25.00	\$41.02	\$59.44	1	\$100.46	\$59.44	\$250.00
Power Mulcher (Bowie LD-90)	6.00	\$27.21	\$59.44	1	\$86.65	\$59.44	\$250.00
Submersible pump - 460v, 8 in.	0.70	\$9.89	\$59.44	1	\$69.33	\$59.44	\$250.00

Subtotals: **\$2,142.79** **\$1,046.36** **\$2,500.00****ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
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Light Duty Pickup, 4x4, 1 T. Crew	\$75.09	1	\$75.09	\$75.09
Flatbed Truck, 4x2, 15K GVW	\$64.31	1	\$64.31	\$64.31
Generic 15-18 cy, 6x4	\$129.15	3	\$387.45	\$387.45

Subtotals:	\$526.85	\$526.85
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EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: RIFLE
 Total one-way travel distance: 5.00 miles
 Average Travel Speed: 50.00 mph

Total Non-Roadable Mob/Demob Cost * \$9,923.41
 ** two round trips with haul rig:
 Total Roadable Mob/Demob Cost ** \$105.37
 ** one round trip, no haul rig:

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.10	0.10
Return Time (Hours):	0.10	0.10
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.20	0.20

JOB TIME AND COST

Total job time: 2.40 Hours

Total job cost: \$10,029

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Secondary Mobilization**Site: **North Bank Resources**Permit Action: **2025-06**Permit/Job#: **M2006018****PROJECT IDENTIFICATION**Task #: **08B**State: **Colorado**Abbreviation: **None**Date: **6/16/2025**County: **Garfield**Filename: **M018-08b**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
Drill/Broadcast Seeder with Tractor	25.00	\$41.02	\$59.44	1	\$100.46	\$59.44	\$250.00
Power Mulcher (Bowie LD-90)	6.00	\$27.21	\$59.44	1	\$86.65	\$59.44	\$250.00
Subtotals:					\$187.11	\$118.88	\$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, 1 T. Crew	\$68.74	1	\$68.74	\$68.74
Subtotals:			\$68.74	\$68.74

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: RIFLE
 Total one-way travel distance: 5.00 miles
 Average Travel Speed: 50.00 mph

Total Non-Roadable Mob/Demob Cost * \$1,435.42
 ** two round trips with haul rig:
 Total Roadable Mob/Demob Cost ** \$13.75
 ** one round trip, no haul rig:

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.10	0.10
Return Time (Hours):	0.10	0.10
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.20	0.20

JOB TIME AND COST

Total job time: 2.40 Hours

Total job cost: \$1,449