



October 30, 2025

Bjorn Meyer  
Cripple Creek & Victor Gold Mining Company  
P. O. Box 191  
Victor, CO 80860

**Re: Cresson Project - File No. M-1980-244**  
**Cripple Creek & Victor Gold Mining Company**  
**Technical Revision (TR-151)**  
**Grassy Valley Clay Borrow Source**

Dear Bjorn Meyer:

On October 30, 2025 the Division of Reclamation, Mining and Safety concluded its review of the Technical Revision application submitted to the Division on September 8, 2025, addressing the following:

Grassy Valley Clay Borrow Source with Grassy Valley Access Road Extension

The decision reached by the Division is: **approve**.

The terms of Technical Revision No. 151 approved by the Division are hereby incorporated into Permit No. M-1980-244. All other conditions and requirements of Permit No. M-1980-244 remain in full force and effect.

The revised liability amount exceeds the financial warranty currently held (see below), please submit additional bond or a rider to your existing bond that equals or exceeds the Revised Liability.

Bond Held:	\$333,471,401.00
Prior Liability:	\$335,951,749.00
Change in Liability:	\$106,230.00
Revised Liability:	\$336,057,979.00
Prior Permit Acreage:	6,017.53
Change in Permit Acreage:	0.00
Revised Permit Acreage:	6,017.53
Prior Affected Acreage:	6,017.53

Change in Affected Acreage:	0.00
Revised Affected Acreage:	6,017.53



Please note, that the decision to approve this revision will not be issued until the Financial Warranty held by the Division meets or exceeds the required amount of \$336,057,979.00. Work may not begin on any of the proposed changes in this revision until the decision is issued. If you have any questions, please contact me by telephone at (303) 919-2997, or by email at [Lucas.west@state.co.us](mailto:Lucas.west@state.co.us).

Sincerely,



Lucas J. West  
Environmental Protection Specialist

cc: Elliott Russell, DRMS  
Zack Trujilio, DRMS

ec: Jorge Ricaurte, CC&V

M-GR-04

## COST SUMMARY WORK

Task description:

### Cost Summary of TR151 Reclamation

Site: Cresson Project

Permit Action: TR151

Permit/Job#: M1980244

### PROJECT IDENTIFICATION

Task #:	000	State:	Colorado
Date:	10/28/2025	County:	Teller
User:	ERR		

Abbreviation: None  
Filename: M244-000

Agency or organization name: DRMS

### TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
A0713	TR151 Grassy Valley Clay Borrow Area - Topsoil - Transport	TRUCK 1	1	10.98	\$17,240
A0714	TR151 Grassy Valley Clay Borrow Area - Topsoil - Ripping	RIPPER	1	12.83	\$2,968
A0715	TR151 Grassy Va Clay Borrow Area - Topsoil - Dozer Spreading	DOZER	1	19.70	\$4,257
A0716	TR151 Grassy Valley Access Road - Topsoil - Transport	TRUCK 1	1	6.72	\$10,551
A0717	TR151 Grassy Valley Access Road - Topsoil - Ripping	RIPPER	1	8.34	\$1,930
A0718	TR151 Grassy Valley Access Road - Topsoil - Dozer Spreading	DOZER	1	12.74	\$2,753
B0022	TR151 Grassy Valley Clay Borrow Area - Revegetation	REVEG E	1	10.00	\$22,352
B0023	TR151 Grassy Valley Access Road - Revegetation	REVEG E	1	6.50	\$14,529
D3001	Culvert Demo	DEMOL ISH	1	5.00	\$1,689
<b><u>SUBTOTALS:</u></b>				<b>92.81</b>	<b>\$78,269</b>

### INDIRECT COSTS

#### OVERHEAD AND PROFIT:

Liability insurance: 2.02  
Performance bond: 1.05  
Job superintendent: 46.40  
Profit: 10.00

Total = \$1,581  
Total = \$822  
Total = \$3,486  
Total = \$7,827

**TOTAL O & P = \$13,716**

**CONTRACT AMOUNT (direct + O & P) = \$91,985**

#### LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$500  
Engineering work and/or contract/bid preparation: 7.39  
Reclamation management and/or administration: 5.00

Total = \$500  
Total = \$6,798  
Total = \$4,599

CONTINGENCY: 3.00

Total = \$2,348

**TOTAL INDIRECT COST = \$27,961**

**TOTAL BOND AMOUNT (direct + indirect) = \$106,230**

TRUCK/LOADER TEAM WORK

Task description:

**TR151 Grassy Valley Clay Borrow Area - Topsoil - Transport**Site: **Cresson Project**Permit Action: **TR151**Permit/Job#: **M1980244****PROJECT IDENTIFICATION**

Task #:	<u>A0713</u>	State:	<u>Colorado</u>	Abbreviation:	<u>None</u>
Date:	<u>10/28/2025</u>	County:	<u>Teller</u>	Filename:	<u>M244-A0713</u>
User:	<u>ERR</u>				

Agency or organization name: DRMS**HOURLY EQUIPMENT COST**Shift basis: 1 per day

## Equipment Description

Truck Loader Team -Truck:	<u>Cat 740</u>
-Loader:	<u>CAT 988H</u>
Support Equipment -Load Area:	<u>Cat D8T - 8SU</u>
-Dump Area:	<u>NA</u>
Road Maintenance -Motor Grader:	<u>CAT 16M</u>
-Water Truck:	<u>Water Tanker, 7,000 Gal.</u>

**Cost Breakdown:**

Cost Breakdown:			Maintenance Equipment			
	Truck/Loader Team	Support Equipment	Maintenance Equipment			
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$115.40	\$140.90	\$179.60	NA	\$78.02	\$75.70
Operating cost/hour:	\$82.18	\$102.58	\$110.45	NA	\$17.13	\$19.69
%Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Ripper op. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Operator cost/hour:	\$24.86	\$59.52	\$38.02	NA	\$60.00	\$20.81
Unit Subtotals:	\$222.44	\$303.00	\$328.07	NA	\$155.15	\$116.19
Number of Units:	3	1	1	0	1	1
Group Subtotals:	Work:	\$970.32	Support:	\$328.07	Maint:	\$271.34

Total work team cost/hour: **\$1,569.73****MATERIAL QUANTITIES**

Initial volume:	<u>6,453</u>	CCY	Swell factor:	<u>1.215</u>
Loose volume:	<u>7,840</u>	LCY		

Source of estimated volume:	<u>TR151</u>
Source of estimated swell factor:	<u>Cat Handbook</u>
Material Purchase Cost:	<u>\$0.00</u>
Total Cost:	<u>\$0.00</u>

**HOURLY PRODUCTION****Truck Capacity:**

Truck Payload (weight) Basis:

Material weight:	<u>1,600</u>	Pounds/LCY
Description:	<u>Top Soil</u>	
Rated Payload:	<u>87,000</u>	Pounds

Payload Capacity: 54.38 LCYTruck Bed (volume) Basis:

Struck Volume:	<u>24.20</u>	LCY
Heaped Volume:	<u>31.40</u>	LCY
Average Volume:	<u>27.80</u>	LCY
Adjusted Volume:	<u>31.40</u>	LCY

Final Truck Volume Based on Number of Loader Passes: 30.36 LCYLoading Tool Capacity

Rated Capacity:	<u>9.200</u>	LCY (heaped)	Bucket Size Class: <u>NA</u>
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%)	<u>1.100</u>
Adjusted Capacity:	<b><u>10.120</u></b>	LCY	

Job Condition Corrections:Site Altitude (ft.): 9500 feet

	<b>Truck</b>	<b>Loader</b>	<b>Source</b>
Altitude Adj:	0.820	0.950	(CAT HB)
Job Efficiency:	0.830	0.830	(CAT HB)
Net Correction:	<b>0.681</b>	<b>0.789</b>	

Loading Tool Cycle Time:Number of Loading Tool Passes Required to Fill Truck: 3 passesExcavators and Front Shovels:Machine Cycle Time vs. Job Condition Rating: NA  
Selected Value within this Basic Rating: NA

Track Loaders – Material Description: \_\_\_\_\_

## Cycle Time Elements (min.):

Load: NA Maneuver: NA Dump: 0.100Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.575 minutes

Cycle Time Factors		Factor (min.)	Source
Material:	Mixed material 0.02	0.020	(Cat HB)
Stockpile:	No adjustment - factor not applicable 0.00	0.000	(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:	<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:	<b><u>0.515</u></b>	minutes
Net Load Time per Truck:	<b><u>1.130</u></b>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.60</u>	Minutes	Adjusted for site altitude:	<u>0.732</u>	Minutes
Truck Load Time:	<u>1.130</u>	Minutes	Adjusted for site altitude:	<u>1.189</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.00</u>	Minutes	Adjusted for site altitude:	<u>1.220</u>	Minutes

Truck Travel (Haul & Return) Time:  
maintained 3.0

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

**Haul Route:**

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	3925.00	-2.90	3.00	0.10	3005	1.565

Haul Time: 1.565 minutes**Return Route:**

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	3925.00	2.90	3.00	5.90	2742	1.648

Return Time: 1.648 minutes  
Total Truck Cycle Time: 6.354 minutes

Loading Tool unit Production	<u>948.17</u>	LCY/Hour	Adjusted for job efficiency:	<u>786.98</u>	LCY/Hour
Truck Unit Production	<u>286.70</u>	LCY/Hour	Adjusted for job efficiency:	<u>237.96</u>	LCY/Hour
Optimal No. of Trucks:	<u>3</u>	Truck(s)	Selected Number of Trucks:	<u>3</u>	Truck(s)
			Adjusted hourly truck team production:	<u>713.88</u>	LCY/Hour
			Adjusted single truck/loader team production:	<u>713.88</u>	LCY/Hour
			Adjusted multiple truck/loader team production:	<u>713.88</u>	LCY/Hour

**JOB TIME AND COST**

Fleet size:	<u>1</u>	Team(s)	Total job time:	<u>10.98</u>	Hours
Unit cost:	<u>\$2.199</u>	/LCY	Total job cost:	<u>\$17,240</u>	

## BULLDOZER RIPPING WORK

Task description: TR151 Grassy Valley Clay Borrow Area - Topsoil - Ripping

Site: Cresson Project

Permit Action: TR151

Permit/Job#: M1980244

### PROJECT IDENTIFICATION

Task #: A0714 State: Colorado Abbreviation: None  
Date: 10/28/2025 County: Teller Filename: M244-A0714  
User: ERR

Agency or organization name: DRMS

### HOURLY EQUIPMENT COST

Basic Machine: Cat D7R DS Series II LGP Horsepower: 240  
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day  
Data Source: (CRG)

#### Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$97.39</u>	NA
Operating Cost/Hour:	<u>\$80.69</u>	100
Ripper Ownership Cost/Hour:	<u>\$9.58</u>	NA
Ripper Operating Cost/Hour:	<u>\$5.66</u>	100
Operator Cost/Hour:	<u>\$38.02</u>	NA
Total Unit Cost/Hour:	<u>\$231.34</u>	
Total Fleet Cost/Hour:	<u>\$231.34</u>	

### MATERIAL QUANTITIES

Selected estimating method: Area

#### Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA  
Area: 8.00 acres Rip Depth (ft): 2.50 Volume: 32,267 BCY or CCY

Source of estimated quantity: TR151

### HOURLY PRODUCTION

#### Seismic:

Seismic Velocity: NA feet/second

#### Area:

Average Ripping Depth: 2.45 feet/pass  
Average Ripping Width: 6.50 feet/pass  
Average Ripping Length: 450.00 feet/pass  
Average Dozer Speed: 88.00 feet/minute  
Average Maneuver Time: 0.25 minutes/pass  
Production per unit area: 0.751 acres/hour

#### Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.751 Acres/hr

Site Altitude: 9,500 feet  
Altitude Adj: 1.00 (CAT HB)

Job Efficiency: 0.83 (1 shift/day)  
Net Correction: 0.83 multiplier

Adjusted Hourly Unit Production: 0.62 Acres/hr

Adjusted Hourly Fleet Production: 0.62 Acres/hr

### JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 12.83 Hours

Unit cost: \$371.059 Per acre Total job cost: \$2,968



BULLDOZER WORKTask description: TR151 Grassy Va Clay Borrow Area - Topsoil - Dozer SpreadingSite: Cresson Project Permit Action: TR151 Permit/Job#: M1980244PROJECT IDENTIFICATION

Task #:	<u>A0715</u>	State:	<u>Colorado</u>	Abbreviation:	<u>None</u>
Date:	<u>10/28/2025</u>	County:	<u>Teller</u>	Filename:	<u>M244-A0715</u>
User:	<u>ERR</u>				

Agency or organization name: DRMSHOURLY EQUIPMENT COST

Basic Machine: Cat D7R DS Series II LGP  
 Horsepower: 240  
 Blade Type: Straight  
 Attachment: NA  
 Shift Basis: 1 per day  
 Data Source: (CRG)

Cost Breakdown:

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$97.39</u>	NA
Operating Cost/Hour:	<u>\$80.69</u>	100
Ripper own. Cost/Hour:	<u>\$0.00</u>	NA
Ripper op. Cost/Hour:	<u>\$0.00</u>	25
Operator Cost/Hour:	<u>\$38.02</u>	NA
Total unit Cost/Hour:	<u>\$216.10</u>	
Total Fleet Cost/Hour:	<u><b>\$216.10</b></u>	

MATERIAL QUANTITIES

Initial Volume: 6,453  
 Swell factor: 1.215  
 Loose volume: 7,840 LCY

Source of estimated volume: TR151  
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 200 feet  
 Unadjusted hourly production: 289.3 LCY/hr

Materials consistency description: Loose stockpile 1.2

Average push gradient: -30 %  
 Average site altitude: 9,500 feet

Material weight: 1,600 lbs/LCYWeight description: Top Soil

<u>Job Condition Correction Factor</u>		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>

Material consistency:	1.200	(CAT HB)
Dozing method:	1.000	(GEN.)
Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 1.3758

Adjusted unit production:	<u>398.02 LCY/hr</u>
Adjusted fleet production:	<u><b>398.02</b> LCY/hr</u>

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)  
Unit cost: \$0.543/LCY

Total job time: **19.70** Hours  
Total job cost: **\$4,257**

TRUCK/LOADER TEAM WORKTask description: **TR151 Grassy Valley Access Road - Topsoil - Transport**Site: **Cresson Project** Permit Action: **TR151** Permit/Job#: **M1980244****PROJECT IDENTIFICATION**

Task #:	A0716	State:	Colorado	Abbreviation:	None
Date:	10/28/2025	County:	Teller	Filename:	M244-A0716
User:	ERR				

Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Shift basis: 1 per day

		Equipment Description
Truck Loader Team -Truck:	-Loader:	Cat 740 CAT 988H
Support Equipment -Load Area:	-Dump Area:	Cat D8T - 8SU NA
Road Maintenance -Motor Grader:	-Water Truck:	CAT 16M Water Tanker, 7,000 Gal.

**Cost Breakdown:**      **Truck/Loader Team**      **Support Equipment**      **Maintenance Equipment**

	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$115.40	\$140.90	\$179.60	NA	\$78.02	\$75.70
Operating cost/hour:	\$82.18	\$102.58	\$110.45	NA	\$17.13	\$19.69
%Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Ripper op. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Operator cost/hour:	\$24.86	\$59.52	\$38.02	NA	\$60.00	\$20.81
Unit Subtotals:	\$222.44	\$303.00	\$328.07	NA	\$155.15	\$116.19
Number of Units:	3	1	1	0	1	1
Group Subtotals:	Work:	\$970.32	Support:	\$328.07	Maint:	\$271.34

Total work team cost/hour: **\$1,569.73****MATERIAL QUANTITIES**

Initial volume:	4,174	CCY	Swell factor:	1.215
Loose volume:	<b>5,071</b>	LCY		

Source of estimated volume:	TR151
Source of estimated swell factor:	Cat Handbook
Material Purchase Cost:	\$0.00
Total Cost:	\$0.00

**HOURLY PRODUCTION****Truck Capacity:**

Truck Payload (weight) Basis:

Material weight:	1,600	Pounds/LCY
Description:	Top Soil	
Rated Payload:	87,000	Pounds

Payload Capacity: 54.38 LCYTruck Bed (volume) Basis:

Struck Volume:	<u>24.20</u>	LCY
Heaped Volume:	<u>31.40</u>	LCY
Average Volume:	<u>27.80</u>	LCY
Adjusted Volume:	<u>31.40</u>	LCY

Final Truck Volume Based on Number of Loader Passes: 30.36 LCYLoading Tool Capacity

Rated Capacity:	<u>9.200</u>	LCY (heaped)	Bucket Size Class: <u>NA</u>
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%)	<u>1.100</u>
Adjusted Capacity:	<b><u>10.120</u></b>	LCY	

Job Condition Corrections:Site Altitude (ft.): 9500 feet

	<b>Truck</b>	<b>Loader</b>	<b>Source</b>
Altitude Adj:	0.820	0.950	(CAT HB)
Job Efficiency:	0.830	0.830	(CAT HB)
Net Correction:	<b>0.681</b>	<b>0.789</b>	

Loading Tool Cycle Time:Number of Loading Tool Passes Required to Fill Truck: 3 passesExcavators and Front Shovels:Machine Cycle Time vs. Job Condition Rating: NA  
Selected Value within this Basic Rating: NA

Track Loaders – Material Description: \_\_\_\_\_

## Cycle Time Elements (min.):

Load: NA Maneuver: NA Dump: 0.100Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.575 minutes

Cycle Time Factors		Factor (min.)	Source
Material:	Mixed material 0.02	0.020	(Cat HB)
Stockpile:	No adjustment - factor not applicable 0.00	0.000	(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:	<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:	<b><u>0.515</u></b>	minutes
Net Load Time per Truck:	<b><u>1.130</u></b>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.60</u>	Minutes	Adjusted for site altitude:	<u>0.732</u>	Minutes
Truck Load Time:	<u>1.130</u>	Minutes	Adjusted for site altitude:	<u>1.189</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.00</u>	Minutes	Adjusted for site altitude:	<u>1.220</u>	Minutes

Truck Travel (Haul & Return) Time:  
maintained 3.0

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

## Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	3475.00	-2.20	3.00	0.80	3005	1.465

Haul Time: 1.465 minutes

## Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	3475.00	2.20	3.00	5.20	3005	1.406

Return Time: 1.406 minutes  
Total Truck Cycle Time: 6.012 minutes

Loading Tool unit  
 Production 948.17 LCY/Hour      Adjusted for job efficiency: 786.98 LCY/Hour  
 Truck Unit Production 303.01 LCY/Hour      Adjusted for job efficiency: 251.50 LCY/Hour

Optimal No. of Trucks: 3 Truck(s)      Selected Number of Trucks: 3 Truck(s)  
 Adjusted hourly truck team production: 754.49 LCY/Hour  
 Adjusted single truck/loader team production: 754.49 LCY/Hour  
 Adjusted multiple truck/loader team production: 754.49 LCY/Hour

**JOB TIME AND COST**

Fleet size: 1 Team(s)      Total job time: 6.72 Hours  
 Unit cost: \$2.081 /LCY      Total job cost: \$10,551

## BULLDOZER RIPPING WORK

Task description: TR151 Grassy Valley Access Road - Topsoil - Ripping

Site: Cresson Project Permit Action: TR151 Permit/Job#: M1980244

### PROJECT IDENTIFICATION

Task #: A0717 State: Colorado Abbreviation: None  
Date: 10/28/2025 County: Teller Filename: M244-A0717  
User: ERR

Agency or organization name: DRMS

### HOURLY EQUIPMENT COST

Basic Machine: Cat D7R DS Series II LGP Horsepower: 240  
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day  
Data Source: (CRG)

#### Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$97.39</u>	NA
Operating Cost/Hour:	<u>\$80.69</u>	100
Ripper Ownership Cost/Hour:	<u>\$9.58</u>	NA
Ripper Operating Cost/Hour:	<u>\$5.66</u>	100
Operator Cost/Hour:	<u>\$38.02</u>	NA
Total Unit Cost/Hour:	<u>\$231.34</u>	
Total Fleet Cost/Hour:	<u>\$231.34</u>	

### MATERIAL QUANTITIES

Selected estimating method: Area

#### Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA  
Area: 5.20 acres Rip Depth (ft): 2.50 Volume: 20,973 BCY or CCY

Source of estimated quantity: TR151

### HOURLY PRODUCTION

#### Seismic:

Seismic Velocity: NA feet/second

#### Area:

Average Ripping Depth: 2.45 feet/pass  
Average Ripping Width: 6.50 feet/pass  
Average Ripping Length: 450.00 feet/pass  
Average Dozer Speed: 88.00 feet/minute  
Average Maneuver Time: 0.25 minutes/pass  
Production per unit area: 0.751 acres/hour

#### Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.751 Acres/hr

Site Altitude: 9,500 feet  
Altitude Adj: 1.00 (CAT HB)  
Job Efficiency: 0.83 (1 shift/day)  
Net Correction: 0.83 multiplier

Adjusted Hourly Unit Production: 0.62 Acres/hr

Adjusted Hourly Fleet Production: 0.62 Acres/hr

### JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 8.34 Hours

Unit cost: \$371.059 Per acre Total job cost: \$1,930



BULLDOZER WORKTask description: TR151 Grassy Valley Access Road - Topsoil - Dozer SpreadingSite: Cresson Project Permit Action: TR151 Permit/Job#: M1980244PROJECT IDENTIFICATION

Task #:	<u>A0718</u>	State:	<u>Colorado</u>	Abbreviation:	<u>None</u>
Date:	<u>10/28/2025</u>	County:	<u>Teller</u>	Filename:	<u>M244-A0718</u>
User:	<u>ERR</u>				

Agency or organization name: DRMSHOURLY EQUIPMENT COST

Basic Machine: Cat D7R DS Series II LGP  
 Horsepower: 240  
 Blade Type: Straight  
 Attachment: NA  
 Shift Basis: 1 per day  
 Data Source: (CRG)

Cost Breakdown:

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$97.39</u>	NA
Operating Cost/Hour:	<u>\$80.69</u>	100
Ripper own. Cost/Hour:	<u>\$0.00</u>	NA
Ripper op. Cost/Hour:	<u>\$0.00</u>	25
Operator Cost/Hour:	<u>\$38.02</u>	NA
Total unit Cost/Hour:	<u>\$216.10</u>	
Total Fleet Cost/Hour:	<u><b>\$216.10</b></u>	

MATERIAL QUANTITIES

Initial Volume: 4,174  
 Swell factor: 1.215  
 Loose volume: 5,071 LCY

Source of estimated volume: TR151  
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 200 feet  
 Unadjusted hourly production: 289.3 LCY/hr

Materials consistency description: Loose stockpile 1.2

Average push gradient: -30 %  
 Average site altitude: 9,500 feet

Material weight: 1,600 lbs/LCYWeight description: Top Soil

<u>Job Condition Correction Factor</u>		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>

Material consistency:	1.200	(CAT HB)
Dozing method:	1.000	(GEN.)
Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 1.3758

Adjusted unit production:	<u>398.02 LCY/hr</u>
Adjusted fleet production:	<u><b>398.02</b> LCY/hr</u>

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)  
 Unit cost: \$0.543/LCY

Total job time: 12.74 Hours  
 Total job cost: **\$2,753**

REVEGETATION WORK

Task description: TR151 Grassy Valley Clay Borrow Area - Revegetation  
 Site: Cresson Project Permit Action: TR151 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: B0022 State: Colorado Abbreviation: None  
 Date: 10/28/2025 County: Teller Filename: M244-B0022  
 User: ERR

Agency or organization name: DRMS

FERTILIZING**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost / Acre
0-10-20, 3-9-18	400.00	pound	\$0.72	\$286.84
			<b>Total Fertilizer Materials Cost/Acre</b>	<b>\$286.84</b>

**Application**

Description	Cost /Acre
NA-fertilizer application incl. with hydroseeding	\$0.00
<b>Total Fertilizer Application Cost/Acre</b>	<b>\$0.00</b>

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$114.13
<b>Total Tilling Cost/Acre</b>	<b>\$114.13</b>

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	1.48	4.79	\$26.20
Mountain Brome - Bromar	4.00	6.43	\$24.64
Sandberg Bluegrass - VNS	0.50	10.62	\$7.40
Rye, Winter - VNS	9.63	3.98	\$6.24
Sheep Fescue - Bighorn	1.44	22.48	\$7.32
Slender Wheatgrass - Native	2.88	10.51	\$20.83
Milk Vetch, Cicer - Monarch	0.96	3.20	\$9.39
Mahogany, Mountain	0.13	0.18	\$13.44
Thickspike Wheatgrass - Critana	3.38	11.95	\$28.20
Rose, Wood's	0.31	0.00	\$16.94
Flax, Lewis Blue	0.25	1.66	\$10.83

Yarrow, Western	0.06	3.65	\$2.96
<b>Totals Seed Mix</b>	25.02	79.43	<b>\$174.39</b>

**Application**

Description	Cost /Acre
Broadcast seeding [DMG]	\$279.08
<b>Total Seed Application Cost/Acre</b>	<b>\$279.08</b>

**MULCHING and MISCELLANEOUS****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
<b>Total Mulch Materials Cost/Acre</b>				<b>\$0.00</b>

**Application**

Description	Cost /Acre
Hydromulching (MEANS 32 92 19.13 1100)	\$1,403.60
<b>Total Mulch Application Cost/Acre</b>	<b>\$1,403.60</b>

**NURSERY STOCK PLANTING**

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
<b>Totals Nursery Stock Cost / Acre</b>					<b>\$0.00</b>

**JOB TIME AND COST**

No. of Acres: 8 Cost /Acre: \$2,258.04  
 Estimated Failure Rate: 25% Cost /Acre\*: \$2,143.91  
 \*Selected Replanting Work Items: FERTILIZING,SEEDING,MULCHING

Initial Job Cost: \$18,064.32  
 Reseeding Job Cost: \$4,287.82  
 Total Job Cost: \$22,352  
 Job Hours: 10.00

REVEGETATION WORK

Task description: TR151 Grassy Valley Access Road - Revegetation  
 Site: Cresson Project Permit Action: TR151 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: B0023 State: Colorado Abbreviation: None  
 Date: 10/28/2025 County: Teller Filename: M244-B0023  
 User: ERR

Agency or organization name: DRMS

FERTILIZING**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost / Acre
0-10-20, 3-9-18	400.00	pound	\$0.72	\$286.84
			<b>Total Fertilizer Materials Cost/Acre</b>	<b>\$286.84</b>

**Application**

Description	Cost /Acre
NA-fertilizer application incl. with hydroseeding	\$0.00
<b>Total Fertilizer Application Cost/Acre</b>	<b>\$0.00</b>

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$114.13
<b>Total Tilling Cost/Acre</b>	<b>\$114.13</b>

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	1.48	4.79	\$26.20
Mountain Brome - Bromar	4.00	6.43	\$24.64
Sandberg Bluegrass - VNS	0.50	10.62	\$7.40
Rye, Winter - VNS	9.63	3.98	\$6.24
Sheep Fescue - Bighorn	1.44	22.48	\$7.32
Slender Wheatgrass - Native	2.88	10.51	\$20.83
Milk Vetch, Cicer - Monarch	0.96	3.20	\$9.39
Mahogany, Mountain	0.13	0.18	\$13.44
Thickspike Wheatgrass - Critana	3.38	11.95	\$28.20
Rose, Wood's	0.31	0.00	\$16.94
Flax, Lewis Blue	0.25	1.66	\$10.83

Yarrow, Western	0.06	3.65	\$2.96
<b>Totals Seed Mix</b>	25.02	79.43	<b>\$174.39</b>

**Application**

Description	Cost /Acre
Broadcast seeding [DMG]	\$279.08
<b>Total Seed Application Cost/Acre</b>	<b>\$279.08</b>

**MULCHING and MISCELLANEOUS****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
<b>Total Mulch Materials Cost/Acre</b>				<b>\$0.00</b>

**Application**

Description	Cost /Acre
Hydromulching (MEANS 32 92 19.13 1100)	\$1,403.60
<b>Total Mulch Application Cost/Acre</b>	<b>\$1,403.60</b>

**NURSERY STOCK PLANTING**

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
<b>Totals Nursery Stock Cost / Acre</b>					<b>\$0.00</b>

**JOB TIME AND COST**

No. of Acres: 5.2 Cost /Acre: \$2,258.04  
 Estimated Failure Rate: 25% Cost /Acre\*: \$2,143.91  
 \*Selected Replanting Work Items: FERTILIZING,SEEDING,MULCHING

Initial Job Cost: **\$11,741.81**  
 Reseeding Job Cost: **\$2,787.08**  
 Total Job Cost: **\$14,529**  
 Job Hours: **6.50**

## DEMOLITION WORK

Task description:

**Culvert Demo**

Site: Cresson Project

Permit Action: TR151

Permit/Job#: M1980244

### PROJECT IDENTIFICATION

Task #: D3001

State: Colorado

Abbreviation: None

Date: 10/28/2025

County: Teller

Filename: M244-D3001

User: ERR

Agency or organization name: DRMS

### UNIT COSTS

**Location adjustment: 87.90 %**

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
(10) Grassy Valley Access Road Culverts TR151	40 ft	Pipe, corrugated metal (CMP) - 12 in. diameter pipe	400.00	LF	\$4.80	\$1,921.88

Job Hours: 5.00

**Subtotal  
(unadjusted): \$1,921.88**

**Total Cost  
(adjusted for  
location): \$1,689.33**