

The Division conducted a bond compliance review process for the Hayden Gulch Load Out (HGLO) in March 2025. The purpose of the bond compliance review is to ensure that all the disturbances created by HGLO operations are accounted for in the performance bond. The review process consisted of reviewing the operation and reclamation plans outlined in the permit application package, reviewing the most current reclamation cost estimate by task, and conducting a ground inspection to verify the remaining reclamation tasks.

The HGLO facility was permitted for 391.2 acres. The disturbances associated with the loadout can be divided into two main areas: the railroad line with loadout facilities, and the tie-across haul road. The loadout facilities were removed and bond released in SL-1 in 2012. SL-2 approved the Phase III bond release of all but 2.3 acres of the railroad line which was converted to a recreational trail through the "Tracks to Trails" program. SL-3 released the tie-across haul road and the associated corridor in 2024.

The last 2.3 acres of disturbed land are the reclaimed railroad line located between the Hayden Trailhead parking lot on Hawthorne Street, and the railroad main line, about 1/3 mile to the north. The post mining land use is pastureland which is consistent with the extended surrounding areas. The reclamation plan calls for the area to be graded to blend in with the surrounding landscape, topsoil replaced and seeded with seed mix #2.

The remaining area has not been bond released and is subject to monthly inspections. The monthly inspection reports document that the area has been graded to blend in with the surrounding landscape. The surrounding landscape is a flat pasture traversed by irrigation ditches and is generally lower in elevation than Hwy 40, which bisects the reclaimed area from east to west. The only structures remaining on the site are permanent fences that are being used to support the pastureland post mining land use. The vegetation in the reclaimed area was seeded in 2021 and has become well established. It blends in with the surrounding vegetation and contains a variety of species that support the post mining land use.

Since the remaining reclaimed area was not included in previous bond release applications, a performance bond is still required to cover its reclamation costs. While on-the-ground inspections indicate that the work has been completed, a bond release application must be submitted to officially release the site from its reclamation obligations.

A reclamation cost estimate (RCE) was created for the remaining 2.3 acres of disturbance. The reclamation work was broken down into five tasks: regrade railbed, regrade ditches, spread topsoil, broadcast seed mix, and mobilize equipment. A detailed RCE is attached to this review document. The total calculated RCE, including indirect cost, is \$19,509 which is the cost to assure completion of the remaining reclamation work at the HGLO if the work had to be performed by the Division. The Division currently holds a surety bond in the amount of \$865,033, for the HGLO which is in excess of the surety amount required.

## COST SUMMARY WORK

Task description: 2025 Bond Compliance Inspection

Site: Hayden Gulch Loadout Permit Action: 2025 Bond Compliance Permit/Job#: C1992081

### PROJECT IDENTIFICATION

Task #: 000 State: Colorado Abbreviation: None  
Date: 3/18/2025 County: Routt Filename: C081-000  
User: BFB

Agency or organization name: DRMS

### TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Regrade Railbed	DOZER	1	16.92	\$8,034
002	Regrade Remaining Ditches	DOZER	1	2.11	\$1,004
003	Grade and spread topsoil- 2.3 ac @ 6"	DOZER	1	2.56	\$1,214
004	Broadcast Seed Mix #2 & Weed Treatment	REVEGE	1	2.30	\$1,989
005	Mob/Demob equip	MOBILIZE	1	3.14	\$2,803
<b><u>SUBTOTALS:</u></b>				<b>27.03</b>	<b>\$15,044</b>

### INDIRECT COSTS

#### OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$304
Performance bond:	1.05	Total =	\$158
Job superintendent:	13.79	Total =	\$1,093
Profit:	10.00	Total =	\$1,504

TOTAL O & P = \$3,059

CONTRACT AMOUNT (direct + O & P) = \$18,103

#### LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	<u>\$500</u>	Total =	<u>\$500</u>
Engineering work and/or contract/bid preparation:	<u>0.00</u>	Total =	<u>\$0</u>
Reclamation management and/or administration:	<u>5.00</u>		<u>\$905</u>

CONTINGENCY: 0.00 Total = \$0

TOTAL INDIRECT COST = \$4,465

**TOTAL BOND AMOUNT (direct + indirect) = \$19,509**

**BULLDOZER WORK**Task description: **Regrade Railbed**Site: **Hayden Gulch Loadout**Permit Action: 2025 Bond  
CompliancePermit/Job#: C1992081**PROJECT IDENTIFICATION**Task #: 001State: ColoradoAbbreviation: NoneDate: 3/18/2025County: RouttFilename: C081-001User: BFBAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D9T - 9SUHorsepower: 405Blade Type: Semi-UniversalAttachment: 3-shank ripperShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$253.16</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$164.35</u>	<u>100</u>
Ripper own.		
Cost/Hour:	<u>\$18.79</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:	<u>\$474.89</u>	
Total Fleet Cost/Hour:	<b><u>\$474.89</u></b>	

**MATERIAL QUANTITIES**Initial Volume: 8,000Swell factor: 1.125Loose volume: **9,000 LCY**Source of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell  
factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 100 feetUnadjusted hourly  
production: 1,243.2 LCY/hrMaterials consistency description: Compacted fill or embankment 0.9Average push  
gradient: 0 %Average site altitude: 6,400 feetMaterial weight: 2,650 lbs/LCYWeight description: Decomposed rock - 25% Rock, 75% Earth**Job Condition Correction Factor****Source**

Operator Skill:	0.750	(AVG.)
Material consistency:	0.900	(CAT HB))
Dozing method:	1.100	(50% SL)
Visibility:	1.000	(AVG.)
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:	0.868	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4279

Adjusted unit  
production: 531.97 LCY/hr  
Adjusted fleet  
production: **531.97** LCY/hr

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)  
Unit cost: \$0.893/LCY

Total job time: **16.92** Hours  
Total job cost: **\$8,034**

**BULLDOZER WORK**Task description: **Regrade Remaining Ditches**Site: **Hayden Gulch Loadout**Permit Action: 2025 Bond  
CompliancePermit/Job#: C1992081**PROJECT IDENTIFICATION**Task #: 002  
Date: 3/18/2025  
User: BFBState: Colorado  
County: RouttAbbreviation: None  
Filename: C081-002Agency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D9T - 9SU  
Horsepower: 405  
Blade Type: Semi-Universal  
Attachment: 3-shank ripper  
Shift Basis: 1 per day  
Data Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$253.16</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$164.35</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$18.79</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: \$474.89  
Total Fleet Cost/Hour: **\$474.89****MATERIAL QUANTITIES**Initial Volume: 1,000  
Swell factor: 1.125  
Loose volume: **1,125 LCY**Source of estimated volume: Division of Reclamation, Mining & Safety  
Source of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 100 feet  
Unadjusted hourly production: 1,243.2 LCY/hrMaterials consistency description: Compacted fill or embankment 0.9Average push gradient: 0 %  
Average site altitude: 6,400 feetMaterial weight: 2,650 lbs/LCYWeight description: Decomposed rock - 25% Rock, 75% 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>1.100</u>	<u>(50% SL)</u>

Visibility:	1.000	(AVG.)
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:	0.868	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4279

Adjusted unit production: 531.97 LCY/hr

Adjusted fleet production: **531.97** LCY/hr

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)

Unit cost: \$0.893/LCY

Total job time: **2.11** Hours

Total job cost: **\$1,004**

**BULLDOZER WORK**Task description: **Grade and spread topsoil- 2.3 ac @ 6"**Site: **Hayden Gulch Loadout**Permit Action: 2025 Bond  
CompliancePermit/Job#: C1992081**PROJECT IDENTIFICATION**Task #: 003  
Date: 3/18/2025  
User: BFBState: Colorado  
County: RouttAbbreviation: None  
Filename: C081-003Agency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D9T - 9SU  
Horsepower: 405  
Blade Type: Semi-Universal  
Attachment: 3-shank ripper  
Shift Basis: 1 per day  
Data Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$253.16</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$164.35</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$18.79</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: \$474.89  
Total Fleet Cost/Hour: **\$474.89****MATERIAL QUANTITIES**Initial Volume: 1,855  
Swell factor: 1.215  
Loose volume: **2,254 LCY**Source of estimated volume: Division of Reclamation, Mining & Safety  
Source of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 100 feet  
Unadjusted hourly production: 1,243.2 LCY/hrMaterials consistency description: Compacted fill or embankment 0.9Average push gradient: 0 %  
Average site altitude: 6,400 feetMaterial weight: 1,600 lbs/LCYWeight description: Top Soil**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>1.100</u>	<u>(50% SL)</u>

Visibility:	1.000	(AVG.)
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:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.7090

Adjusted unit production: 881.43 LCY/hr

Adjusted fleet production: **881.43** LCY/hr

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)

Unit cost: \$0.539/LCY

Total job time: **2.56** Hours

Total job cost: **\$1,214**



**REVEGETATION WORK**Task description: **Broadcast Seed Mix #2 & Weed Treatment**Site: **Hayden Gulch Loadout**Permit Action: 2025 Bond  
Compliance

Permit/Job#: C1992081

**PROJECT IDENTIFICATION**

Task #: 004

State: Colorado

Abbreviation: None

Date: 3/18/2025

County: Routt

Filename: C081-004

User: BFB

Agency or organization name: DRMS

**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Triple superphosphate, 0-46-0	50.00	pound	\$0.92	\$45.84
			<b>Total Fertilizer Materials Cost/Acre</b>	<b>\$45.84</b>

**Application**

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

**TILLING**

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
<b>Total Tilling Cost/Acre</b>	<b>\$117.61</b>

**SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Orchardgrass - Latar	2.00	24.79	\$9.37
Meadow Brome - Regar	8.00	7.35	\$45.00
Wheat, Winter - Tam 107	40.00	36.73	\$21.62
Red Top	0.20	22.91	\$2.09
Reed Canarygrass - Palaton	0.50	5.81	\$5.41
Timothy - Climax	1.00	28.70	\$4.15
<b>Totals Seed Mix</b>	<b>51.70</b>	<b>126.29</b>	<b>\$87.64</b>

**Application**

Description	Cost /Acre
Broadcast seeding [DMG]	\$272.56
<b>Total Seed Application Cost/Acre</b>	<b>\$272.56</b>

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

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - 2,4D @ 1.0 pt/ac	4.00	ACRE	\$4.13	\$16.51
<b>Total Mulch Materials Cost/Acre</b>				<b>\$16.51</b>

**Application**

Description	Cost /Acre
Weed spray, hand, non-aquatic area, nox. [DMG]	\$209.61
<b>Total Mulch Application Cost/Acre</b>	<b>\$209.61</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: 2.3 Cost /Acre: \$792.89  
 Estimated Failure Rate: 20% Cost /Acre\*: \$360.20  
 \*Selected Replanting Work Items: SEEDING

Initial Job Cost: **\$1,823.65**  
 Reseeding Job Cost: **\$165.69**  
 Total Job Cost: **\$1,989**  
 Job Hours: **2.30**

**EQUIPMENT MOBILIZATION/DEMOBILIZATION**Task description: **Mob/Demob equip**

Site: **Hayden Gulch Loadout** Permit Action: 2025 Bond Compliance Permit/Job#: C1992081

**PROJECT IDENTIFICATION**

Task #: 005 State: Colorado Abbreviation: None  
 Date: 3/18/2025 County: Routt Filename: C081-005  
 User: BFB

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:**

<b>Available Rig Capacities</b>	<b>0-25 Tons</b>	<b>26-50 Tons</b>	<b>51+ Tons</b>
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 D9T - 9SU	60.01	\$253.16	\$125.64	1	\$378.80	\$125.64	\$500.00
Power Mulcher (Bowie LD-90)	6.00	\$27.21	\$59.44	1	\$86.65	\$59.44	\$250.00

Subtotals: **\$465.45** **\$185.08** **\$750.00**

**ROADABLE EQUIPMENT:**

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

**EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region:	<u>HAYDEN</u>	
Total one-way travel distance:	<u>10.00</u>	miles
Average Travel Speed:	<u>35.00</u>	mph

Total Non-Roadable Mob/Demob Cost *	<u>\$2,802.63</u>
** two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	<u>\$0.00</u>
** one round trip, no haul rig:	

**Transportation Cycle Time:**

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	<u>0.29</u>	<u>0.29</u>
Return Time (Hours):	<u>0.29</u>	<u>0.29</u>
Loading Time (Hours):	<u>0.50</u>	<u>NA</u>
Unloading Time (Hours):	<u>0.50</u>	<u>NA</u>
Subtotals:	<u>1.57</u>	<u>0.57</u>

**JOB TIME AND COST**

Total job time:	<u>3.14</u>	Hours
-----------------	-------------	-------

Total job cost:	<u>\$2,803</u>
-----------------	----------------