

January 26, 2024

Glenda Hocker  
Hocker Construction, LLP  
4167 CR 321  
Ignacio, CO 81137



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

1313 Sherman Street, Room 215  
Denver, CO 80203

***RE: Hocker Gravel Pit, Permit # M-2004-063, Reclamation Costs Update***

Dear Operator:

In an effort to ensure the Financial Warranty for the above referenced site adequately reflects the actual current costs of fulfilling the requirements of the approved reclamation plan, the Colorado Division of Reclamation, Mining and Safety (Division) has updated the reclamation cost estimate (copy enclosed) for this site. Division calculations estimate the cost to reclaim the site to be \$34,606.00. This is an increase of \$7,930.00 over the \$26,676.00 currently held by the Division.

Within 15 days, please review the attached estimate and notify me if any calculation errors are noted.

If you require additional information, or have questions or concerns, please contact me.

Sincerely,

A handwritten signature in blue ink, appearing to read "Dustin Czapla", with a long horizontal flourish extending to the right.

***Dustin Czapla***  
Environmental Protection Specialist  
Division of Reclamation, Mining and Safety  
Phone: (303) 866-3567, ext. 8188



## COST SUMMARY WORK

Task description: 2024-01-24 Update

Site: Hocker Gravel Pit

Permit Action: 2024-01-24 Update

Permit/Job#: M2004063

### PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 1/24/2024

County: La Plata

Filename: M2004063000

User: DMC

Agency or organization name: DRMS

### TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Reduce Highwalls 0.5H:1V to 3H:1V	DOZER	1	14.09	\$5,357
02a	Replace Overburden, avg 1' Deep over 6 acres	DOZER	1	6.64	\$2,525
03a	Revegetation 12 acres	REVEGE	1	12.00	\$19,225
04a	Mobilize/Demobilize	MOBILIZE	1	2.40	\$1,031
<b><u>SUBTOTALS:</u></b>				<b>35.13</b>	<b>\$28,138</b>

### INDIRECT COSTS

#### OVERHEAD AND PROFIT:

Liability insurance: 2.02  
Performance bond: 1.05  
Job superintendent: 17.56  
Profit: 10.00

Total = \$568

Total = \$295

Total = \$1,143

Total = \$2,814

TOTAL O & P = \$4,820

CONTRACT AMOUNT (direct + O & P) = \$32,958

#### LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$0  
Engineering work and/or contract/bid preparation: 0.00  
Reclamation management and/or administration: 5.00

Total = \$0

Total = \$0

\$1,648

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$6,468

**TOTAL BOND AMOUNT (direct + indirect) = \$34,606**

**BULLDOZER WORK**Task description: **Reduce Highwalls 0.5H:1V to 3H:1V**Site: **Hocker Gravel Pit**Permit Action: **2024-01-24 Update**Permit/Job#: **M2004063****PROJECT IDENTIFICATION**Task #: **01A**State: **Colorado**Abbreviation: **None**Date: **1/24/2024**County: **La Plata**Filename: **M063-01a**User: **DMC**Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Basic Machine: **Cat D10T - 10SU**Horsepower: **574**Blade Type: **Semi-Universal**Attachment: **NA**Shift Basis: **1 per day**Data Source: **(CRG)****Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$178.69	NA
Operating Cost/Hour:	\$160.22	100
Ripper own. Cost/Hour:	\$0.00	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$41.30	NA

Total unit Cost/Hour: **\$380.21**Total Fleet Cost/Hour: **\$380.21****MATERIAL QUANTITIES**Initial Volume: **18,667**Swell factor: **1.000**Loose volume: **18,667 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: **2,748.7 LCY/hr**Materials consistency description: **Consolidated stockpile 1.0**Average push gradient: **-5 %**Average site altitude: **6,600 feet**Material weight: **2,650 lbs/LCY**Weight description: **Decomposed rock - 25% Rock, 75% Earth****Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	1.000	(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:	1.115	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.868	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4820

Adjusted unit production: 1,324.87 LCY/hr

Adjusted fleet production: **1324.87** LCY/hr

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)

Unit cost: \$0.287/LCY

Total job time: **14.09** Hours

Total job cost: **\$5,357**

**BULLDOZER WORK**Task description: Replace Overburden, avg 1' Deep over 6 acresSite: Hocker Gravel PitPermit Action: 2024-01-24 UpdatePermit/Job#: M2004063**PROJECT IDENTIFICATION**Task #: 02AState: ColoradoAbbreviation: NoneDate: 1/24/2024County: La PlataFilename: M063-02aUser: DMCAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D10T - 10SUHorsepower: 574Blade Type: Semi-UniversalAttachment: NAShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$178.69	NA
Operating Cost/Hour:	\$160.22	100
Ripper own. Cost/Hour:	\$0.00	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$41.30	NA

Total unit Cost/Hour: \$380.21Total Fleet Cost/Hour: **\$380.21****MATERIAL QUANTITIES**Initial Volume: 9,680Swell factor: 1.000Loose volume: **9,680** LCYSource of estimated volume: ((6 Ac\* 43560 sq ft)\*1 ft deep)/27=9,680 Cubic YdsSource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 50 feetUnadjusted hourly production: 2,748.7 LCY/hrMaterials consistency description: Partly consolidated stockpile 1.1Average push gradient: -5 %Average site altitude: 6,600 feetMaterial weight: 2,650 lbs/LCYWeight description: Decomposed rock - 25% Rock, 75% Earth**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	1.100	(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:	1.115	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.868	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.5302

Adjusted unit production: 1,457.36 LCY/hr

Adjusted fleet production: **1457.36** LCY/hr

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)

Unit cost: \$0.261/LCY

Total job time: **6.64** Hours

Total job cost: **\$2,525**

**REVEGETATION WORK**Task description: Revegetation 12 acresSite: Hocker Gravel PitPermit Action: 2024-01-24 UpdatePermit/Job#: M2004063**PROJECT IDENTIFICATION**Task #: 03AState: ColoradoAbbreviation: NoneDate: 1/24/2024County: La PlataFilename: M063-03aUser: DMCAgency or organization name: DRMS**FERTILIZING****Materials**

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

**Application**

Description	Cost /Acre
	\$
<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)	\$112.82
<b>Total Tilling Cost/Acre</b>	<b>\$112.82</b>

**SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Sulphur Flower (or Buckwheat)	1.00	2.07	\$129.00
<b>Totals Seed Mix</b>	<b>1.00</b>	<b>2.07</b>	<b>\$129.00</b>

**Application**

Description	Cost /Acre
Drill Seeding (DRMS Survey Cost)	\$232.00
	<b>\$232.00</b>

<b>Total Seed Application Cost/Acre</b>	
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**MULCHING and MISCELLANEOUS****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$429.79	\$859.57
<b>Total Mulch Materials Cost/Acre</b>				<b>\$859.57</b>

**Application**

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$74.46
<b>Total Mulch Application Cost/Acre</b>	<b>\$74.46</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: 12 Cost /Acre: \$1,407.85  
 Estimated Failure Rate: 15% Cost /Acre\*: \$1,295.03  
 \*Selected Replanting Work Items: SEEDING,MULCHING

Initial Job Cost: **\$16,894.20**  
 Reseeding Job Cost: **\$2,331.05**  
 Total Job Cost: **\$19,225**  
 Job Hours: **12.00**



**EQUIPMENT MOBILIZATION/DEMOBILIZATION**Task description: **Mobilize/Demobilize**Site: **Hocker Gravel Pit**Permit Action: 2024-01-24 UpdatePermit/Job#: M2004063**PROJECT IDENTIFICATION**Task #: 04AState: ColoradoAbbreviation: NoneDate: 1/24/2024County: La PlataFilename: M063-04aUser: DMCAgency 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:**

<b>Available Rig Capacities</b>	<b>0-25 Tons</b>	<b>26-50 Tons</b>	<b>51+ Tons</b>
Ownership Cost/Hour:	\$20.26	\$36.04	\$47.05
Operating Cost/Hour:	\$39.51	\$76.08	\$82.85
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52
Helper Cost/Hour:	\$0.00	\$23.53	\$23.53
Total Unit Cost/Hour:	\$82.29	\$158.17	\$175.95

**NON ROADABLE EQUIPMENT:**

Machine Description	Weight/ Unit (TONS)	Owner ship Cost/hr/ unit	Haul Rig Cost/hr/unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Cat D10T - 10SU	84.53	\$178.69	\$175.95	1	\$354.64	\$175.95	\$0.00
Drill/Broadcast Seeder with Tractor	25.00	\$6.73	\$82.29	1	\$89.02	\$82.29	\$0.00

Subtotals: **\$443.66** **\$258.24** **\$0.00****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.	\$15.83	1	\$15.83	\$15.83

Subtotals: **\$15.83** **\$15.83**

**EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region:	IGNACIO	
Total one-way travel distance:	3.00	miles
Average Travel Speed:	30.00	mph

Total Non-Roadable Mob/Demob Cost *	\$1,027.70
** two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	\$3.17
** 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
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Total job cost:	\$1,031
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