

## COST SUMMARY WORK

Task description: 2025-06-17 Cost Estimate

Site: Hampton Placer Permit Action: 2025-06-17 Cost Estimate Permit/Job#: M2025026

### PROJECT IDENTIFICATION

Task #: 000 State: Colorado Abbreviation: None  
Date: 6/17/2025 County: Montrose Filename: M026-000  
User: DMC

Agency or organization name: DRMS

### TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Highwall reduction	DOZER	1	8.86	\$1,857
01b	Backfill tailings pond	DOZER	1	3.16	\$663
02a	Distribute topsoil	DOZER	1	2.57	\$539
03a	Revegetate disturbed area	REVEGE	1	2.50	\$7,397
04a	Mobilize reclamation crew/equipment	MOBILIZE	1	4.22	\$1,509
<b><u>SUBTOTALS:</u></b>				<b>21.31</b>	<b>\$11,965</b>

### INDIRECT COSTS

#### OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$242
Performance bond:	1.05	Total =	\$126
Job superintendent:	0.00	Total =	\$0
Profit:	10.00	Total =	\$1,196
		TOTAL O & P =	\$1,564
		CONTRACT AMOUNT (direct + O & P) =	\$13,529

#### LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	\$0	Total =	\$0
Engineering work and/or contract/bid preparation:	0.00	Total =	\$0
Reclamation management and/or administration:	5.00		\$676
CONTINGENCY:		0.00	Total = \$0

TOTAL INDIRECT COST = \$2,240

**TOTAL BOND AMOUNT (direct + indirect) = \$14,205**

**BULLDOZER WORK**Task description: **Highwall reduction**

Site: **Hampton Placer** Permit Action: 2025-06-17 Cost Estimate Permit/Job#: M2025026

**PROJECT IDENTIFICATION**

Task #: 01A State: Colorado Abbreviation: None  
 Date: 6/17/2025 County: Montrose Filename: M026-01a  
 User: DMC

Agency or organization name: DRMS

**HOURLY EQUIPMENT COST**

Basic Machine: Cat D6T LGP  
 Horsepower: 200  
 Blade Type: Straight  
 Attachment: NA  
 Shift Basis: 1 per day  
 Data Source: (CRG)

**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$99.72	NA
Operating Cost/Hour:	\$71.22	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: \$209.53  
 Total Fleet Cost/Hour: **\$209.53**

**MATERIAL QUANTITIES**

Initial Volume: 1,250  
 Swell factor: 1.000  
 Loose volume: **1,250 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: 444.6 LCY/hr

Materials consistency description: Compacted fill or embankment 0.9

Average push gradient: 0 %  
 Average site altitude: 4,700 feet

Material weight: 3,250 lbs/LCY

Weight description: Gravel - Pitrun

**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	(FND-RF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.708	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3173

Adjusted unit production: 141.07 LCY/hr

Adjusted fleet production: **141.07** LCY/hr

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)

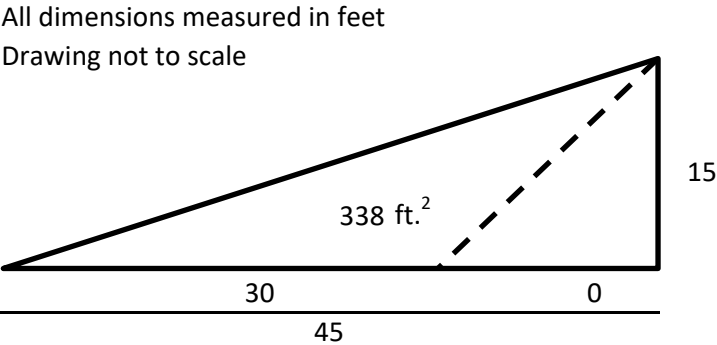
Unit cost: \$1.485/LCY

Total job time: **8.86** Hours

Total job cost: **\$1,857**

Highwall reduction - backfill

Highwall Height (ft.)	15.00	
Length of Highwall (lft.)	100.00	
- - - - Initial Slope	0.00	H:1V
———— Desired Slope	3.00	H:1V
Volume of material to be moved (ft. <sup>3</sup> )	33,750	
Volume of material to be moved (yd. <sup>3</sup> )	1,250	



**BULLDOZER WORK**Task description: **Backfill tailings pond**

Site: **Hampton Placer** Permit Action: **2025-06-17 Cost Estimate** Permit/Job#: **M2025026**

**PROJECT IDENTIFICATION**

Task #: **01B** State: **Colorado** Abbreviation: **None**  
 Date: **6/17/2025** County: **Montrose** Filename: **M026-01b**  
 User: **DMC**

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

Basic Machine: **Cat D6T LGP**  
 Horsepower: **200**  
 Blade Type: **Straight**  
 Attachment: **NA**  
 Shift Basis: **1 per day**  
 Data Source: **(CRG)**

**Cost Breakdown:**

		<b><u>Utilization %</u></b>
Ownership Cost/Hour:	<b><u>\$99.72</u></b>	<b><u>NA</u></b>
Operating Cost/Hour:	<b><u>\$71.22</u></b>	<b><u>100</u></b>
Ripper own. Cost/Hour:	<b><u>\$0.00</u></b>	<b><u>NA</u></b>
Ripper op. Cost/Hour:	<b><u>\$0.00</u></b>	<b><u>0</u></b>
Operator Cost/Hour:	<b><u>\$38.59</u></b>	<b><u>NA</u></b>

Total unit Cost/Hour: **\$209.53**  
 Total Fleet Cost/Hour: **\$209.53**

**MATERIAL QUANTITIES**

Initial Volume: **500**  
 Swell factor: **1.000**  
 Loose volume: **500 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: **444.6 LCY/hr**

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

Average push gradient: **0 %**  
 Average site altitude: **4,700 feet**

Material weight: **2,900 lbs/LCY**Weight description: **Sand and gravel - Dry****Job Condition Correction Factor**

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

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:	0.793	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3554

Adjusted unit production: 158.01 LCY/hr

Adjusted fleet production: **158.01** LCY/hr

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)

Unit cost: \$1.326/LCY

Total job time: **3.16** Hours

Total job cost: **\$663**

**BULLDOZER WORK**Task description: **Distribute topsoil**

Site: **Hampton Placer** Permit Action: 2025-06-17 Cost Estimate Permit/Job#: M2025026

**PROJECT IDENTIFICATION**

Task #: 02A State: Colorado Abbreviation: None  
 Date: 6/17/2025 County: Montrose Filename: M026-02a  
 User: DMC

Agency or organization name: DRMS

**HOURLY EQUIPMENT COST**

Basic Machine: Cat D6T LGP  
 Horsepower: 200  
 Blade Type: Straight  
 Attachment: NA  
 Shift Basis: 1 per day  
 Data Source: (CRG)

**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$99.72	NA
Operating Cost/Hour:	\$71.22	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: \$209.53  
 Total Fleet Cost/Hour: **\$209.53**

**MATERIAL QUANTITIES**

Initial Volume: 670  
 Swell factor: 1.000  
 Loose volume: **670 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: 303.3 LCY/hr

Materials consistency description: Loose stockpile 1.2

Average push gradient: 0 %  
 Average site altitude: 4,700 feet

Material weight: 1,600 lbs/LCY

Weight description: Top Soil

**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
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:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.8593

Adjusted unit production: 260.63 LCY/hr

Adjusted fleet production: **260.63** LCY/hr

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)

Unit cost: \$0.804/LCY

Total job time: **2.57** Hours

Total job cost: **\$539**



**REVEGETATION WORK**Task description: Revegetate disturbed area

Site: Hampton Placer Permit Action: 2025-06-17 Cost Estimate Permit/Job#: M2025026

**PROJECT IDENTIFICATION**

Task #: 03A State: Colorado Abbreviation: None  
 Date: 6/17/2025 County: Montrose Filename: M026-03a  
 User: DMC

Agency 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)	\$117.61
Weed control spraying (MEANS 31 31 16.13 3100)	\$338.80
<b>Total Tilling Cost/Acre</b>	<b>\$456.41</b>

**SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Blue Grama - Native	1.80	29.38	\$38.39
Indian Ricegrass - Native	1.20	3.88	\$20.75
Little Bluestem - Native	0.70	4.18	\$10.77
Sideoats Grama - Butte	1.80	5.91	\$43.48
Galleta	0.40	1.46	\$22.18
Needle and Thread	2.20	5.81	\$179.14
Western Wheatgrass - Native	9.60	24.24	\$86.45
Needlegrass, Green - Lodorm	1.00	4.16	\$8.65

<b>Totals Seed Mix</b>	18.70	79.02	<b>\$409.81</b>
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**Application**

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

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

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

**Application**

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

**NURSERY STOCK PLANTING**

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

**JOB TIME AND COST**

No. of Acres: 2.5 Cost /Acre: \$2,366.97  
 Estimated Failure Rate: 25% Cost /Acre\*: \$2,366.97  
 \*Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: \$5,917.43  
 Reseeding Job Cost: \$1,479.36  
 Total Job Cost: \$7,397  
 Job Hours: 2.50

**EQUIPMENT MOBILIZATION/DEMOBILIZATION**Task description: **Mobilize reclamation crew/equipment**

Site: **Hampton Placer** Permit Action: 2025-06-17 Cost Estimate Permit/Job#: M2025026

**PROJECT IDENTIFICATION**

Task #: 04A State: Colorado Abbreviation: None  
 Date: 6/17/2025 County: Montrose Filename: M026-04a  
 User: DMC

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 D6T LGP	26.87	\$99.72	\$122.78	1	\$222.50	\$122.78	\$250.00
Subtotals:					<b>\$222.50</b>	<b>\$122.78</b>	<b>\$250.00</b>

**ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Drill/Broadcast Seeder with Tractor	\$79.16	1	\$79.16	\$79.16
Power Mulcher (Bowie LD-90)	\$58.47	1	\$58.47	\$58.47
Light Duty Pickup, 4x4, 1 T. Crew	\$24.60	1	\$24.60	\$24.60
Subtotals:				
			<b>\$162.23</b>	<b>\$162.23</b>

**EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region:	NUCLA	
Total one-way travel distance:	25.00	miles
Average Travel Speed:	45.00	mph

Total Non-Roadable Mob/Demob Cost *	\$1,328.64
** two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	\$180.26
** one round trip, no haul rig:	

**Transportation Cycle Time:**

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.56	0.56
Return Time (Hours):	0.56	0.56
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	2.11	1.11

**JOB TIME AND COST**

Total job time:	4.22	Hours
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Total job cost:	\$1,509
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