

## COST SUMMARY WORK

Task description: Modification to add test holes

Site: Joker Placer Project

Permit Action: MD1

Permit/Job#: P2024015

### PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 7/1/2025

County: Moffat

Filename: P015-000

User: HR1

Agency or organization name: DRMS

### TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Mob / Demob	MOBILIZE	1	6.22	\$2,529
002	Fill in 18 test holes	DOZER	1	0.83	\$97
003	Spread topsoil over 2.6 acres of disturbance	DOZER	1	6.34	\$741
004	Reveg test pits, equip storage, trommel areas	REVEGE	1	2.00	\$4,883
005	Reveg 400' of new paths, 6.5 ft wide	REVEGE	1	1.00	\$113
006	Demo 6in Water Line	DEMOLISH	1	20.00	\$0
<b><u>SUBTOTALS:</u></b>				<b>36.39</b>	<b>\$8,363</b>

### INDIRECT COSTS

#### OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$169

Performance bond: 1.05

Total = \$88

Job superintendent: 7.46

Total = \$560

Profit: 10.00

Total = \$836

TOTAL O & P = \$1,654

CONTRACT AMOUNT (direct + O & P) = \$10,017

#### 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

\$501

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$2,154

**TOTAL BOND AMOUNT (direct + indirect) = \$10,517**

**EQUIPMENT MOBILIZATION/DEMOBILIZATION**Task description: **Mob / Demob**Site: **Joker Placer Project**Permit Action: MD1Permit/Job#: P2024015**PROJECT IDENTIFICATION**Task #: 001State: ColoradoAbbreviation: NoneDate: 7/1/2025County: MoffatFilename: P015-001User: HR1Agency 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:	\$21.47	\$38.32	\$48.96
Operating Cost/Hour:	\$31.47	\$60.11	\$65.86
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52
Helper Cost/Hour:	\$0.00	\$22.25	\$22.25
Total Unit Cost/Hour:	\$75.46	\$143.20	\$159.59

**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 D5N LGP - 5P	11.47	\$44.09	\$75.46	1	\$119.55	\$75.46	\$250.00
CAT 12M	16.01	\$47.95	\$75.46	1	\$123.41	\$75.46	\$250.00

Subtotals: **\$242.96** **\$150.92** **\$500.00****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	\$14.87	1	\$14.87	\$14.87
Power Mulcher (Bowie LD-90)	\$61.79	1	\$61.79	\$61.79
Light Duty Pickup, 4x4, 1 T. Crew	\$31.11	1	\$31.11	\$31.11

Subtotals: **\$107.77** **\$107.77**

**EQUIPMENT HAUL DISTANCE and Time**

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

Total Non-Roadable Mob/Demob Cost \* \$2,409.48  
 \*\* two round trips with haul rig:  
 Total Roadable Mob/Demob Cost \*\* \$119.74  
 \*\* one round trip, no haul rig:

**Transportation Cycle Time:**

	Non- Roadable Equipment	Roadable Equipment
Haul Time (Hours):	<u>0.56</u>	<u>0.56</u>
Return Time (Hours):	<u>0.56</u>	<u>0.56</u>
Loading Time (Hours):	<u>1.00</u>	<u>NA</u>
Unloading Time (Hours):	<u>1.00</u>	<u>NA</u>
Subtotals:	<u>3.11</u>	<u>1.11</u>

**JOB TIME AND COST**

Total job time: 6.22 Hours

Total job cost: \$2,529

**BULLDOZER WORK**Task description: **Fill in 18 test holes**Site: **Joker Placer Project**Permit Action: **MD1**Permit/Job#: **P2024015****PROJECT IDENTIFICATION**Task #: **002**State: **Colorado**Abbreviation: **None**Date: **7/1/2025**County: **Moffat**Filename: **P015-002**User: **HR1**Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Basic Machine: **Cat D5K2 XL - 5P**Horsepower: **96**Blade Type: **Power Angle Tilt**Attachment: **NA**Shift Basis: **1 per day**Data Source: **(CRG)****Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$45.89	NA
Operating Cost/Hour:	\$32.99	100
Ripper own. Cost/Hour:	\$0.00	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$38.02	NA

Total unit Cost/Hour: **\$116.90**Total Fleet Cost/Hour: **\$116.90****MATERIAL QUANTITIES**Initial Volume: **180**Swell factor: **1.000**Loose volume: **180 LCY**Source of estimated volume: **Eighteen 10 CY test pits**Source of estimated swell factor: **Cat Handbook****HOURLY PRODUCTION**Average push distance: **50 feet**Unadjusted hourly production: **464.3 LCY/hr**Materials consistency description: **Loose stockpile 1.2**Average push gradient: **5 %**Average site altitude: **7,000 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:	1.200	(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:	0.903	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.868	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4684

Adjusted unit production: 217.48 LCY/hr

Adjusted fleet production: **217.48** LCY/hr

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)

Unit cost: \$0.537/LCY

Total job time: **0.83** Hours

Total job cost: **\$97**

**BULLDOZER WORK**Task description: Spread topsoil over 2.6 acres of disturbanceSite: Joker Placer ProjectPermit Action: MD1Permit/Job#: P2024015**PROJECT IDENTIFICATION**Task #: 003State: ColoradoAbbreviation: NoneDate: 7/1/2025County: MoffatFilename: P015-003User: HR1Agency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D5K2 XL - 5PHorsepower: 96Blade Type: Power Angle TiltAttachment: NAShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$45.89	NA
Operating Cost/Hour:	\$32.99	100
Ripper own. Cost/Hour:	\$0.00	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$38.02	NA

Total unit Cost/Hour: \$116.90Total Fleet Cost/Hour: **\$116.90****MATERIAL QUANTITIES**Initial Volume: 1,398Swell factor: 1.215Loose volume: **1,699 LCY**Source of estimated volume: 4 inches over 2.6 acres, Form item #3Source of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 75 feetUnadjusted hourly production: 376.8 LCY/hrMaterials consistency description: Partly consolidated stockpile 1.1Average push gradient: 5 %Average site altitude: 7,000 feetMaterial weight: 1,600 lbs/LCYWeight description: Top Soil**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:	0.903	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.7113

Adjusted unit production: 268.02 LCY/hr

Adjusted fleet production: **268.02** LCY/hr

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)

Unit cost: \$0.436/LCY

Total job time: **6.34** Hours

Total job cost: **\$741**

**REVEGETATION WORK**Task description: Reveg test pits, equip storage, trommel areasSite: Joker Placer ProjectPermit Action: MD1Permit/Job#: P2024015**PROJECT IDENTIFICATION**Task #: 004State: ColoradoAbbreviation: NoneDate: 7/1/2025County: MoffatFilename: P015-004User: HR1Agency 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
	\$
<b>Total Tilling Cost/Acre</b>	<b>\$0.00</b>

**SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	4.30	13.92	\$76.13
Sandberg Bluegrass - VNS	0.56	11.89	\$8.28
Milk Vetch, Cicer - Monarch	1.30	4.33	\$12.72
Vetch, American	5.28	2.39	\$665.59
Needle and Thread	2.18	5.76	\$181.76
Western Wheatgrass - Native	6.12	15.45	\$56.43
Yarrow, Western	0.06	3.65	\$2.96
Bluebunch Wheatgrass - Goldar	4.98	16.01	\$58.43



<b>Totals Seed Mix</b>	24.78	73.39	<b>\$1,062.31</b>
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**Application**

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

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

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

**Application**

<b>Description</b>	<b>Cost /Acre</b>
	\$
<b>Total Mulch Application Cost/Acre</b>	<b>\$0.00</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:	2.6	Cost /Acre:	\$1,341.39
Estimated Failure Rate:	40%	Cost /Acre*:	\$1,341.39
*Selected Replanting Work Items:	SEEDING		

Initial Job Cost:	<b>\$3,487.61</b>
Reseeding Job Cost:	<b>\$1,395.05</b>
Total Job Cost:	<b>\$4,883</b>
Job Hours:	<b>2.00</b>

**REVEGETATION WORK**Task description: Reveg 400' of new paths, 6.5 ft wideSite: Joker Placer ProjectPermit Action: MD1Permit/Job#: P2024015**PROJECT IDENTIFICATION**Task #: 005State: ColoradoAbbreviation: NoneDate: 7/1/2025County: MoffatFilename: P015-005User: HR1Agency 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
	\$
<b>Total Tilling Cost/Acre</b>	<b>\$0.00</b>

**SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	4.30	13.92	\$76.13
Sandberg Bluegrass - VNS	0.56	11.89	\$8.28
Milk Vetch, Cicer - Monarch	1.30	4.33	\$12.72
Vetch, American	5.28	2.39	\$665.59
Needle and Thread	2.18	5.76	\$181.76
Western Wheatgrass - Native	6.12	15.45	\$56.43
Yarrow, Western	0.06	3.65	\$2.96
Bluebunch Wheatgrass - Goldar	4.98	16.01	\$58.43

<b>Totals Seed Mix</b>	24.78	73.39	<b>\$1,062.31</b>
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**Application**

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

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

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

**Application**

<b>Description</b>	<b>Cost /Acre</b>
	\$
<b>Total Mulch Application Cost/Acre</b>	<b>\$0.00</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:	<u>0.06</u>	Cost /Acre:	<u>\$1,341.39</u>
Estimated Failure Rate:	<u>40%</u>	Cost /Acre*:	<u>\$1,341.39</u>
*Selected Replanting Work Items:	<u>SEEDING</u>		

Initial Job Cost:	<u><b>\$80.48</b></u>
Reseeding Job Cost:	<u><b>\$32.19</b></u>
Total Job Cost:	<u><b>\$113</b></u>
Job Hours:	<u><b>1.00</b></u>

## DEMOLITION WORK

Task description: **Demo 6in Water Line**

Site: **Joker Placer Project**

Permit Action: MD1

Permit/Job#: P2024015

### PROJECT IDENTIFICATION

Task #: 006

State: Colorado

Abbreviation: None

Date: 7/1/2025

County: Moffat

Filename: P015-006

User: HR1

Agency or organization name: DRMS

### UNIT COSTS

Location adjustment: 0.00 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
6in Water Line	100	Pipe, steel, welded connections - 10 in. diameter pipe	83.00	LF	\$12.66	\$1,050.78

Job Hours: **20.00**

Subtotal  
(unadjusted): **\$1,050.78**

Total Cost  
(adjusted for location): **\$0.00**