

## COST SUMMARY WORK

Task description: 2025-04-16 Update

Site: Blue Streak Mine

Permit Action: 2025-04-16 Update

Permit/Job#: P2007057

### PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 4/16/2025

County: Montrose

Filename: 000

User: DMC

Agency or organization name: DRMS

### TASK LIST (DIRECT COSTS)

| Task                     | Description                          | Form Used | Fleet Size | Task Hours   | Cost            |
|--------------------------|--------------------------------------|-----------|------------|--------------|-----------------|
| 01a                      | Seal mine portal                     | MINESEAL  | 1          | 10.00        | \$7,361         |
| 02a                      | Grade waste piles/general earth work | DOZER     | 1          | 6.19         | \$1,374         |
| 03a                      | Rip 4.98 acre staging area and roads | RIPPER    | 1          | 9.29         | \$2,065         |
| 04a                      | Removal/disposal culvert pipes       | DEMOLISH  | 1          | 5.00         | \$311           |
| 05a                      | Seal MD-2 Boreholes                  | BOREHOLE  | 1          | 10.00        | \$14,524        |
| 06a                      | Grade MD-2 drill pads and mud pits   | DOZER     | 1          | 2.02         | \$448           |
| 07a                      | Revegetate disturbed area            | REVEGE    | 1          | 24.00        | \$16,187        |
| 08a                      | Mobilize reclamation crew/equipment  | MOBILIZE  | 1          | 4.66         | \$2,403         |
| <b><u>SUBTOTALS:</u></b> |                                      |           |            | <b>71.16</b> | <b>\$44,673</b> |

### INDIRECT COSTS

#### OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$902

Performance bond: 1.05

Total = \$469

Job superintendent: 0.00

Total = \$0

Profit: 10.00

Total = \$4,467

TOTAL O & P = \$5,839

CONTRACT AMOUNT (direct + O & P) = \$50,512

#### 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

\$2,526

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$8,364

**TOTAL BOND AMOUNT (direct + indirect) = \$53,037**

**SAFEGUARDING UNDERGROUND OPENINGS**

Task description: **Seal mine portal**

Site: **Blue Streak Mine** Permit Action: 2025-04-16 Update Permit/Job#: P2007057

**PROJECT IDENTIFICATION**

Task #: 01A State: Colorado Abbreviation: None  
Date: 4/16/2025 County: Montrose Filename: 01a  
User: DMC

Agency or organization name: DRMS

**UNIT COSTS**

| <b>Opening Description</b> | <b>Dimensions</b> | <b>Closure Method</b>   | <b>Quantity</b> | <b>Unit</b> | <b>Unit Cost</b> | <b>Total Cost</b> |
|----------------------------|-------------------|---|-----------------|-------------|------------------|-------------------|
| Main Portal                | 12' x 12'         | Adit closure - grate with bat access, ladder type (per opening) | 1.00            | EA          | \$7,361.04       | \$7,361.04        |

**Job Hours:** **10.00**

**Total Cost:** **\$7,361.04**

**BULLDOZER WORK**Task description: Grade waste piles/general earth workSite: Blue Streak MinePermit Action: 2025-04-16 UpdatePermit/Job#: P2007057**PROJECT IDENTIFICATION**Task #: 02AState: ColoradoAbbreviation: NoneDate: 4/16/2025County: MontroseFilename: 02aUser: DMCAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D7R DS Series II LGPHorsepower: 240Blade Type: StraightAttachment: 3-shank ripperShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

|                        |                | <u>Utilization %</u> |
|------------------------|----------------|----------------------|
| Ownership Cost/Hour:   | <u>\$90.24</u> | <u>NA</u>            |
| Operating Cost/Hour:   | <u>\$78.95</u> | <u>100</u>           |
| Ripper own. Cost/Hour: | <u>\$9.25</u>  | <u>NA</u>            |
| Ripper op. Cost/Hour:  | <u>\$5.20</u>  | <u>100</u>           |
| Operator Cost/Hour:    | <u>\$38.59</u> | <u>NA</u>            |

Total unit Cost/Hour: \$222.23Total Fleet Cost/Hour: \$222.23**MATERIAL QUANTITIES**Initial Volume: 1,430Swell factor: 1.000Loose volume: 1,430 LCYSource of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 50 feetUnadjusted hourly production: 800.0 LCY/hrMaterials consistency description: Consolidated stockpile 1.0Average push gradient: 15 %Average site altitude: 6,300 feetMaterial weight: 3,300 lbs/LCYWeight description: Decomposed rock - 75% Rock, 25% Earth**Job Condition Correction Factor**

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

|                  |       |               |
|------------------|-------|---------------|
| Job efficiency:  | 0.830 | (1 SHIFT/DAY) |
| Spoil pile:      | 1.000 | (DOZ-OC)      |
| Push gradient:   | 0.666 | (CAT HB)      |
| Altitude:        | 1.000 | (CAT HB)      |
| Material Weight: | 0.697 | (CAT HB)      |
| Blade type:      | 1.000 | (PAT)         |

Net correction: 0.2890

Adjusted unit production: 231.20 LCY/hr

Adjusted fleet production: **231.2** LCY/hr

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)

Unit cost: \$0.961/LCY

Total job time: **6.19** Hours

Total job cost: **\$1,374**

## BULLDOZER RIPPING WORK

Task description: Rip 4.98 acre staging area and roads

Site: Blue Streak Mine

Permit Action: 2025-04-16 Update

Permit/Job#: P2007057

### PROJECT IDENTIFICATION

Task #: 03A

State: Colorado

Abbreviation: None

Date: 4/16/2025

County: Montrose

Filename: 03a

User: DMC

Agency or organization name: DRMS

### HOURLY EQUIPMENT COST

Basic Machine: Cat D7R DS Series II LGP  
Ripper Attachment: 3-Shank Ripper

Horsepower: 240

Shift Basis: 1 per day

Data Source: (CRG)

#### Cost Breakdown:

|                             |                 | Utilization % |
|-----------------------------|-----------------|---------------|
| Ownership Cost/Hour:        | <u>\$90.24</u>  | <u>NA</u>     |
| Operating Cost/Hour:        | <u>\$78.95</u>  | <u>100</u>    |
| Ripper Ownership Cost/Hour: | <u>\$9.25</u>   | <u>NA</u>     |
| Ripper Operating Cost/Hour: | <u>\$5.20</u>   | <u>100</u>    |
| Operator Cost/Hour:         | <u>\$38.59</u>  | <u>NA</u>     |
| Total Unit Cost/Hour:       | <u>\$222.23</u> |               |
| Total Fleet Cost/Hour:      | <u>\$222.23</u> |               |

### MATERIAL QUANTITIES

Selected estimating method: Area

#### Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA  
Area: 4.98 acres Rip Depth (ft): 2.00 Volume: 16,069 BCY or CCY

Source of estimated quantity: DRMS

### 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: 100.00 feet/pass  
Average Dozer Speed: 88.00 feet/minute  
Average Maneuver Time: 0.25 minutes/pass  
Production per unit area: 0.646 acres/hour

#### Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.646 Acres/hr  
Site Altitude: 6,300 feet  
Altitude Adj: 1.00 (CAT HB)  
Job Efficiency: 0.83 (1 shift/day)  
Net Correction: 0.83 multiplier

Adjusted Hourly Unit Production: 0.54 Acres/hr  
Adjusted Hourly Fleet Production: 0.54 Acres/hr

### JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 9.29 Hours

Unit cost: \$414.596 Per acre Total job cost: \$2,065

## DEMOLITION WORK

Task description: Removal/disposal culvert pipes

Site: Blue Streak Mine

Permit Action: 2025-04-16 Update

Permit/Job#: P2007057

### PROJECT IDENTIFICATION

Task #: 04A

State: Colorado

Abbreviation: None

Date: 4/16/2025

County: Montrose

Filename: 04a

User: DMC

Agency or organization name: DRMS

### UNIT COSTS

Location adjustment: 94.70 %

| Structure or Item Description | Dimensions | Demolition Menu Selection   | Quantity | Unit | Unit Cost | Total Cost |
|-------------------------------|------------|---|----------|------|-----------|------------|
| Remove culvert                | 24" x 30'  | Pipe, corrugated metal (CMP) - 24 in. diameter pipe                       | 30.00    | LF   | \$10.60   | \$317.85   |
| Disposal                      | 24" x 30'  | Load/haul/dump demolished materials/debris into pit - Max. 1,000 ft. haul | 10.00    | CY   | \$1.06    | \$10.62    |

Job Hours: 5.00

Subtotal  
(unadjusted): \$328.47

Total Cost  
(adjusted for location): \$311.06

## BOREHOLE SEALING WORK

Task description: Seal MD-2 Boreholes

Site: Blue Streak Mine

Permit Action: 2025-04-16 Update

Permit/Job#: P2007057

### PROJECT IDENTIFICATION

Task #: 05A

State: Colorado

Abbreviation: None

Date: 4/16/2025

County: Montrose

Filename: P057-05a

User: DMC

Agency or organization name: DRMS

### UNIT COSTS

| Borehole Description    | Sealing/Item Method                                     | Diameter | Length | Quantity | Unit | Unit Cost | Total Cost  |
|-------------------------|---|----------|--------|----------|------|-----------|-------------|
| 5 Boreholes (6" x 300') | Portland cement grout - 6 in. (labor, equip, materials) | 6        | 300 ea | 1,500.00 | LF   | \$9.68    | \$14,523.60 |

Job Hours: 10.00

Total Cost: \$14,524.00

**BULLDOZER WORK**Task description: Grade MD-2 drill pads and mud pitsSite: Blue Streak MinePermit Action: 2025-04-16 UpdatePermit/Job#: P2007057**PROJECT IDENTIFICATION**Task #: 06AState: ColoradoAbbreviation: NoneDate: 4/16/2025County: MontroseFilename: P057-06aUser: DMCAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D7R DS Series II LGPHorsepower: 240Blade Type: StraightAttachment: 3-shank ripperShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

|                        |                | <u>Utilization %</u> |
|------------------------|----------------|----------------------|
| Ownership Cost/Hour:   | <u>\$90.24</u> | <u>NA</u>            |
| Operating Cost/Hour:   | <u>\$78.95</u> | <u>100</u>           |
| Ripper own. Cost/Hour: | <u>\$9.25</u>  | <u>NA</u>            |
| Ripper op. Cost/Hour:  | <u>\$5.20</u>  | <u>100</u>           |
| Operator Cost/Hour:    | <u>\$38.59</u> | <u>NA</u>            |

Total unit Cost/Hour: \$222.23Total Fleet Cost/Hour: \$222.23**MATERIAL QUANTITIES**Initial Volume: 700Swell factor: 1.000Loose volume: 700 LCYSource of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 50 feetUnadjusted hourly production: 800.0 LCY/hrMaterials consistency description: Consolidated stockpile 1.0Average push gradient: 0 %Average site altitude: 6,300 feetMaterial weight: 3,300 lbs/LCYWeight description: Decomposed rock - 75% Rock, 25% Earth**Job Condition Correction Factor**

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



|                  |       |               |
|------------------|-------|---------------|
| Job efficiency:  | 0.830 | (1 SHIFT/DAY) |
| Spoil pile:      | 1.000 | (DOZ-OC)      |
| Push gradient:   | 1.000 | (CAT HB)      |
| Altitude:        | 1.000 | (CAT HB)      |
| Material Weight: | 0.697 | (CAT HB)      |
| Blade type:      | 1.000 | (PAT)         |

Net correction: 0.4339

Adjusted unit production: 347.12 LCY/hr

Adjusted fleet production: **347.12** LCY/hr

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)

Unit cost: \$0.640/LCY

Total job time: **2.02** Hours

Total job cost: **\$448**

**REVEGETATION WORK**Task description: Revegetate disturbed areaSite: Blue Streak MinePermit Action: 2025-04-16 UpdatePermit/Job#: P2007057**PROJECT IDENTIFICATION**Task #: 07AState: ColoradoAbbreviation: NoneDate: 4/16/2025County: MontroseFilename: P057-07aUser: DMCAgency or organization name: DRMS**FERTILIZING****Materials**

| Description | Units /<br>Acre | Unit | Cost / Unit   | Cost /Acre    |
|-------------|-----------------|------|---|---------------|
|             |                 |      | \$  | \$            |
|             |                 |      | <b>Total Fertilizer<br/>Materials<br/>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      |
|--|-----------------|
| Weed control spraying (MEANS 31 31 16.13 3100) | \$338.80        |
| <b>Total Tilling Cost/Acre</b>                 | <b>\$338.80</b> |

**SEEDING**

| Seed Mix                    | Rate –<br>PLS<br>LBS /<br>Acre | Seeds<br>per SQ.<br>FT | Cost /Acre      |
|-----------------------------|--------------------------------|------------------------|-----------------|
| Blue Grama - Hachita        | 7.42                           | 121.11                 | \$212.56        |
| Indian Ricegrass - Paloma   | 7.42                           | 24.02                  | \$152.35        |
| Russian Wildrye - Bozoisky  | 2.06                           | 8.28                   | \$22.81         |
| Galleta                     | 4.94                           | 18.03                  | \$273.86        |
| Western Wheatgrass - Arriba | 5.00                           | 12.63                  | \$45.17         |
| Saltbush, Four Wing         | 0.50                           | 0.69                   | \$9.94          |
| Winter Fat                  | 0.50                           | 1.27                   | \$23.36         |
| <b>Totals Seed Mix</b>      | <b>27.84</b>                   | <b>186.03</b>          | <b>\$740.05</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 /<br>Acre | Unit | Cost / Unit | Cost /Acre        |
|---|-----------------|------|-------------|-------------------|
| Hay, delivered {MEANS 31 25 14.16 1200} | 2.00            | TON  | \$492.78    | \$985.56          |
| Herbicide - Curtail @ 4.0 pt/ac         | 1.00            | ACRE | \$36.14     | \$36.14           |
| <b>Total Mulch Materials Cost/Acre</b>  |                 |      |             | <b>\$1,021.70</b> |

**Application**

| Description                                    | Cost /Acre      |
|--|-----------------|
| Crimping, with tractor {DMG survey data}       | \$85.37         |
| Weed spray, hand, non-aquatic area, nox. [DMG] | \$209.61        |
| <b>Total Mulch Application Cost/Acre</b>       | <b>\$294.98</b> |

**NURSERY STOCK PLANTING**

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

**JOB TIME AND COST**

No. of Acres: 4.98                      Cost /Acre: \$2,668.09  
 Estimated Failure Rate: 25%                      Cost /Acre\*: \$2,329.29  
 \*Selected Replanting Work Items: SEEDING,MULCHING

Initial Job Cost: **\$13,287.09**  
 Reseeding Job Cost: **\$2,899.97**  
 Total Job Cost: **\$16,187**  
 Job Hours: **24.00**

**EQUIPMENT MOBILIZATION/DEMOBILIZATION**Task description: **Mobilize reclamation crew/equipment**Site: **Blue Streak Mine**Permit Action: 2025-04-16 UpdatePermit/Job#: P2007057**PROJECT IDENTIFICATION**

Task #: 08A State: Colorado Abbreviation: None  
 Date: 4/16/2025 County: Montrose Filename: P057-08a  
 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/<br>Unit<br>(TONS) | Owner ship<br>Cost/hr/ unit | Haul Rig<br>Cost/hr/unit | Fleet<br>Size | Haul Trip<br>Cost/hr/<br>fleet | Return Trip<br>Cost/hr/ fleet | DOT Permit<br>Cost/ fleet |
|---|---------------------------|-----------------------------|--------------------------|---------------|--------------------------------|-------------------------------|---------------------------|
| Cat D7R DS XR<br>Series II                | 35.93                     | \$99.49                     | \$122.78                 | 1             | \$222.27                       | \$122.78                      | \$250.00                  |
| Drill/Broadcast<br>Seeder with<br>Tractor | 25.00                     | \$41.02                     | \$59.44                  | 1             | \$100.46                       | \$59.44                       | \$250.00                  |
| Subtotals:                                |                           |                             |                          |               | <b>\$322.73</b>                | <b>\$182.22</b>               | <b>\$500.00</b>           |

**ROADABLE EQUIPMENT:**

| Machine Description         | Total Cost/hr/<br>unit | Fleet Size | Haul Trip<br>Cost/hr/ fleet | Return Trip<br>Cost/hr/ fleet |
|-----------------------------|------------------------|------------|-----------------------------|-------------------------------|
| Flatbed Truck, 4x2, 30K GVW | \$63.37                | 1          | \$63.37                     | \$63.37                       |
| Subtotals:                  |                        |            | <b>\$63.37</b>              | <b>\$63.37</b>                |

**EQUIPMENT HAUL DISTANCE and Time**

|  |       |       |
|--|-------|-------|
| Nearest Major City or Town within project area region: | NUCLA |       |
| Total one-way travel distance:                         | 20.00 | miles |
| Average Travel Speed:                                  | 30.00 | mph   |

|                                     |            |
|-------------------------------------|------------|
| Total Non-Roadable Mob/Demob Cost * | \$2,318.73 |
| ** two round trips with haul rig:   |            |
| Total Roadable Mob/Demob Cost **    | \$84.49    |
| ** one round trip, no haul rig:     |            |

**Transportation Cycle Time:**

|                         | Non-Roadable Equipment | Roadable Equipment |
|-------------------------|------------------------|--------------------|
| Haul Time (Hours):      | 0.67                   | 0.67               |
| Return Time (Hours):    | 0.67                   | 0.67               |
| Loading Time (Hours):   | 0.50                   | NA                 |
| Unloading Time (Hours): | 0.50                   | NA                 |
| Subtotals:              | 2.33                   | 1.33               |

**JOB TIME AND COST**

|                 |      |       |
|-----------------|------|-------|
| Total job time: | 4.67 | Hours |
|-----------------|------|-------|

|                 |         |
|-----------------|---------|
| Total job cost: | \$2,403 |
|-----------------|---------|