

## COST SUMMARY WORK

Task description: SO-3 update post inspection

Site: Three Crown Ranch Gravel Pit

Permit Action: 2025-07

Permit/Job#: M2000073

### PROJECT IDENTIFICATION

Task #: ACY  
Date: 7/22/2025  
User: ACY

State: Colorado  
County: Rio Blanco

Abbreviation: None  
Filename: M073-ACY

Agency or organization name: DRMS

### TASK LIST (DIRECT COSTS)

| Task                     | Description                          | Form Used | Fleet Size | Task Hours   | Cost           |
|--------------------------|--------------------------------------|-----------|------------|--------------|----------------|
| 01a                      | Cut and Fill Reduction of Pit Slopes | DOZER     | 1          | 4.55         | \$984          |
| 02a                      | Topsoil slopes                       | DOZER     | 1          | 7.02         | \$1,518        |
| 03a                      | Revegetate pit slopes                | REVEGE    | 1          | 8.00         | \$1,039        |
| 04a                      | Initial Mobilization                 | MOBILIZE  | 1          | 3.20         | \$2,013        |
| 04b                      | Seconday Mobilization                | MOBILIZE  | 1          | 3.20         | \$802          |
| <b><u>SUBTOTALS:</u></b> |                                      |           |            | <b>25.97</b> | <b>\$6,356</b> |

### INDIRECT COSTS

#### OVERHEAD AND PROFIT:

|                      |       |         |       |
|----------------------|-------|---------|-------|
| Liability insurance: | 2.02  | Total = | \$128 |
| Performance bond:    | 1.05  | Total = | \$67  |
| Job superintendent:  | 0.00  | Total = | \$0   |
| Profit:              | 10.00 | Total = | \$636 |

TOTAL O & P = \$831

CONTRACT AMOUNT (direct + O & P) = \$7,187

#### 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>4.25</u>  | Total = | <u>\$305</u> |
| Reclamation management and/or administration:        | <u>5.00</u>  |         | <u>\$359</u> |

CONTINGENCY: 3.00 Total = \$191

TOTAL INDIRECT COST = \$2,186

**TOTAL BOND AMOUNT (direct + indirect) = \$8,542**

**BULLDOZER WORK**Task description: Cut and Fill Reduction of Pit SlopesSite: Shults Gravel PitPermit Action: 2025-07Permit/Job#: M2000073**PROJECT IDENTIFICATION**Task #: 01AState: ColoradoAbbreviation: NoneDate: 7/22/2025County: Rio BlancoFilename: M073-01aUser: ACYAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D7R DS Series II LGPHorsepower: 240Blade Type: StraightAttachment: NAShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

|                        |         | <u>Utilization %</u> |
|------------------------|---------|----------------------|
| Ownership Cost/Hour:   | \$97.39 | NA                   |
| Operating Cost/Hour:   | \$80.69 | 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: \$216.10Total Fleet Cost/Hour: \$216.10**MATERIAL QUANTITIES**Initial Volume: 1,200Swell factor: 1.120Loose volume: 1,344 LCYSource of estimated volume: 900' @ 15' and 300' @ 6' 2H:1V to 3H:1VSource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 60 feetUnadjusted hourly production: 700.0 LCY/hrMaterials consistency description: Compacted fill or embankment 0.9Average push gradient: -15 %Average site altitude: 5,930 feetMaterial weight: 3,250 lbs/LCYWeight 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:   | 1.329 | (CAT HB)      |
| Altitude:        | 1.000 | (CAT HB)      |
| Material Weight: | 0.708 | (CAT HB)      |
| Blade type:      | 1.000 | (PAT)         |

Net correction: 0.4217

Adjusted unit production: 295.19 LCY/hr

Adjusted fleet production: **295.19** LCY/hr

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)

Unit cost: \$0.732/LCY

Total job time: **4.55** Hours

Total job cost: **\$984**

**BULLDOZER WORK**Task description: Topsoil slopesSite: Shults Gravel PitPermit Action: 2025-07Permit/Job#: M2000073**PROJECT IDENTIFICATION**Task #: 02AState: ColoradoAbbreviation: NoneDate: 7/22/2025County: Rio BlancoFilename: M073-02aUser: ACYAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D7R DS Series II LGPHorsepower: 240Blade Type: StraightAttachment: NAShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

|                        |         | <u>Utilization %</u> |
|------------------------|---------|----------------------|
| Ownership Cost/Hour:   | \$97.39 | NA                   |
| Operating Cost/Hour:   | \$80.69 | 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: \$216.10Total Fleet Cost/Hour: \$216.10**MATERIAL QUANTITIES**Initial Volume: 1,240Swell factor: 1.125Loose volume: 1,395 LCYSource of estimated volume: 1200 LF 30' wideSource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 150 feetUnadjusted hourly production: 369.6 LCY/hrMaterials consistency description: Compacted fill or embankment 0.9Average push gradient: -15 %Average site altitude: 5,930 feetMaterial weight: 2,550 lbs/LCYWeight description: Earth - Dry packed**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:   | 1.329 | (CAT HB)      |
| Altitude:        | 1.000 | (CAT HB)      |
| Material Weight: | 0.902 | (CAT HB)      |
| Blade type:      | 1.000 | (PAT)         |

Net correction: 0.5373

Adjusted unit production: 198.59 LCY/hr

Adjusted fleet production: **198.59 LCY/hr**

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)

Unit cost: \$1.088/LCY

Total job time: **7.02 Hours**

Total job cost: **\$1,518**

REVEGETATION WORKTask description: Revegetate pit slopesSite: Shults Gravel PitPermit Action: 2025-07Permit/Job#: M2000073PROJECT IDENTIFICATIONTask #: 03AState: ColoradoAbbreviation: NoneDate: 7/22/2025County: Rio BlancoFilename: M073-03aUser: ACYAgency or organization name: DRMSFERTILIZING**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      |
|--|-----------------|
| Disc harrowing, 6" deep (MEANS 32 91 13.23 6100) | \$114.13        |
| <b>Total Tilling Cost/Acre</b>                   | <b>\$114.13</b> |

SEEDING

| Seed Mix                       | Rate –<br>PLS<br>LBS /<br>Acre | Seeds<br>per SQ.<br>FT | Cost /Acre      |
|--------------------------------|--------------------------------|------------------------|-----------------|
| Indian Ricegrass - Nespar      | 2.50                           | 8.09                   | \$44.08         |
| Beardless Wheatgrass - Whitmar | 2.40                           | 7.82                   | \$34.01         |
| Russian Wildrye - VNS          | 2.00                           | 8.03                   | \$23.74         |
| Streambank Wheatgrass - Sodar  | 2.20                           | 7.17                   | \$18.70         |
| Western Wheatgrass - Arriba    | 3.20                           | 8.08                   | \$29.60         |
| <b>Totals Seed Mix</b>         | <b>12.30</b>                   | <b>39.20</b>           | <b>\$150.14</b> |

**Application**

|  |  |
|--|--|
|  |  |
|--|--|

| Description                             | Cost /Acre      |
|---|-----------------|
| Drill Seeding (DRMS Survey Cost)        | \$242.30        |
| <b>Total Seed Application Cost/Acre</b> | <b>\$242.30</b> |

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

| Description                                 | Units /<br>Acre | Unit | Cost / Unit | Cost /Acre     |
|---|-----------------|------|-------------|----------------|
| Herbicide - Curtail @ 4.0 pt/ac             | 1.00            | ACRE | \$38.14     | \$38.14        |
| Herbicide - Glyphosate (Journey)@ 1.0 pt/ac | 1.00            | ACRE | \$5.22      | \$5.22         |
| <b>Total Mulch Materials Cost/Acre</b>      |                 |      |             | <b>\$43.36</b> |

**Application**

| Description                                     | Cost /Acre      |
|---|-----------------|
| Weed spray, truck, non-aquatic area, nox. [DMG] | \$249.08        |
| <b>Total Mulch Application Cost/Acre</b>        | <b>\$249.08</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: 1 Cost /Acre: \$799.01  
 Estimated Failure Rate: 30% Cost /Acre\*: \$799.01  
 \*Selected Replanting Work Items: TILLING,SEEDING,MULCHING  
 Initial Job Cost: \$799.01  
 Reseeding Job Cost: \$239.70  
 Total Job Cost: \$1,039  
 Job Hours: 8.00

**EQUIPMENT MOBILIZATION/DEMOBILIZATION**Task description: **Initial Mobilization**Site: **Shults Gravel Pit**Permit Action: **2025-07**Permit/Job#: **M2000073****PROJECT IDENTIFICATION**Task #: **04A**State: **Colorado**Abbreviation: **None**Date: **7/22/2025**County: **Rio Blanco**Filename: **M073-04a**User: **ACY**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:            | \$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/<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<br>Series II LGP               | 34.57                     | \$97.39                     | \$143.20                 | 1             | \$240.59                       | \$143.20                      | \$250.00                  |
| Drill/Broadcast<br>Seeder with<br>Tractor | 25.00                     | \$5.99                      | \$75.46                  | 1             | \$81.45                        | \$75.46                       | \$250.00                  |

Subtotals: **\$322.04** **\$218.66** **\$500.00****ROADABLE EQUIPMENT:**

| Machine Description                  | Total Cost/hr/<br>unit | Fleet Size | Haul Trip<br>Cost/hr/ fleet | Return Trip<br>Cost/hr/ fleet |
|--------------------------------------|------------------------|------------|-----------------------------|-------------------------------|
| Light Duty Pickup, 4x4, 1 T.<br>Crew | \$74.63                | 1          | \$74.63                     | \$74.63                       |

Subtotals: **\$74.63** **\$74.63**



**EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region: MEEKER  
 Total one-way travel distance: 12.00 miles  
 Average Travel Speed: 40.00 mph

Total Non-Roadable Mob/Demob Cost \* \$1,968.50  
 \*\* two round trips with haul rig:  
 Total Roadable Mob/Demob Cost \*\* \$44.78  
 \*\* one round trip, no haul rig:

**Transportation Cycle Time:**

|                         | Non-Roadable Equipment | Roadable Equipment |
|-------------------------|------------------------|--------------------|
| Haul Time (Hours):      | 0.30                   | 0.30               |
| Return Time (Hours):    | 0.30                   | 0.30               |
| Loading Time (Hours):   | 0.50                   | NA                 |
| Unloading Time (Hours): | 0.50                   | NA                 |
| Subtotals:              | 1.60                   | 0.60               |

**JOB TIME AND COST**

Total job time: 3.20 Hours

Total job cost: \$2,013

**EQUIPMENT MOBILIZATION/DEMOBILIZATION**Task description: Seconday MobilizationSite: Shults Gravel PitPermit Action: 2025-07Permit/Job#: M2000073**PROJECT IDENTIFICATION**Task #: 04BState: ColoradoAbbreviation: NoneDate: 7/22/2025County: Rio BlancoFilename: M073-04bUser: ACYAgency 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/<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 |
|---|---------------------------|-----------------------------|--------------------------|---------------|--------------------------------|-------------------------------|---------------------------|
| Drill/Broadcast<br>Seeder with<br>Tractor | 25.00                     | \$5.99                      | \$75.46                  | 1             | \$81.45                        | \$75.46                       | \$250.00                  |

Subtotals: **\$81.45** **\$75.46** **\$250.00****ROADABLE EQUIPMENT:**

| Machine Description                  | Total Cost/hr/<br>unit | Fleet Size | Haul Trip<br>Cost/hr/ fleet | Return Trip<br>Cost/hr/ fleet |
|--------------------------------------|------------------------|------------|-----------------------------|-------------------------------|
| Light Duty Pickup, 4x4, 1 T.<br>Crew | \$74.63                | 1          | \$74.63                     | \$74.63                       |

Subtotals: **\$74.63** **\$74.63**

**EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region: MEEKER  
 Total one-way travel distance: 12.00 miles  
 Average Travel Speed: 40.00 mph

Total Non-Roadable Mob/Demob Cost \* \$757.05  
 \*\* two round trips with haul rig:  
 Total Roadable Mob/Demob Cost \*\* \$44.78  
 \*\* one round trip, no haul rig:

**Transportation Cycle Time:**

|                         | Non-<br>Roadable<br>Equipment | Roadable<br>Equipment |
|-------------------------|-------------------------------|-----------------------|
| Haul Time (Hours):      | 0.30                          | 0.30                  |
| Return Time (Hours):    | 0.30                          | 0.30                  |
| Loading Time (Hours):   | 0.50                          | NA                    |
| Unloading Time (Hours): | 0.50                          | NA                    |
| Subtotals:              | 1.60                          | 0.60                  |

**JOB TIME AND COST**

Total job time: 3.20 Hours

Total job cost: \$802