



October 31, 2024

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**RE: Piceance Pit, Permit No. M-2001-077, Reclamation Cost Estimate SO-6**

This reclamation cost updated was in response SO-6 and the site inspection conducted on October 24, 2024. It is Division policy to periodically update its costs to ensure that the Financial Warranty adequately, reflects the actual current cost of fulfilling the requirements of the approved reclamation plan.

The bond was last recalculated in 2023 with SI-1. Significant activity has occurred on site since the previous calculation. Below is a table summarizing input values. This table does not account for price changes resulting from inflation or other RS Means cost changes. Bond calculations are based on a combination of field observations and worst case scenario based on the approved reclamation plan.

**Assumptions:**

- Site is 34.13 ac w/ 4.5 ac undisturbed. Pit/pond footprint is 15 ac
- All slopes go to a 3H: 1V or less

| Task | Form Used | Description  |
|------|-----------|--|
| 01a  | Demo      | Remove Scale footers 70' x 15'   |
| 02a  | Pumping   | Dewater 12 ac pond approx. 10 ft prior to grading<br>*Worst Case this would be required if site was abandoned  |
| 03a  | Dozer     | Highwall Grading to 3H: 1V = 9,196 BCY<br>N: 800 LF @20'H 1H: 1V to 3H: 1V cut/fill = 2,963BCY<br>E: 900LF @20'H Vert to 3H: 1V cut/fill = 4,983 BCY,<br>SE: 600 LF @ 15'H 1H: 1V to 3H: 1V cut/fill = 1,250 BCY |
| 04a  | Ripper    | Decompact pit stockpile areas 15 ac  |
| 05a  | Truck     | Spread topsoil 8" over 17.63 ac = 18,962 CCY<br>Avg distance 1000 LF away<br>34.13ac - 12 ac pond- 4.5ac undisturbed = 17.63 ac  |
| 06a  | Reveg     | Reveg all areas where Topsoil was applied  |



|          |       |  |
|----------|-------|--|
|          |       | Riparian Mix – 3,100 LF perimeter of pond x 20ft (partially above and below water) total of 1.42 ac                                    |
| 06b      | Reveg | Upland Mix – (17.63 ac topsoiled–1. 24 ac wetland) 16.21 ac (stockpile area and perimeter berms)                                       |
| 10a      | Mob   | Initial Mobilization – Updated equipment teams utilized  |
| 10b      | Mob   | Secondary Mobilization   |
| Indirect |       | DRMS Standard Overhead Costs: Liability insurance, performance bond, profit, administration, Legal, Engineering and Project Management |

Please feel free to contact me with any further questions.

Sincerely,



**Amy Yeldell**  
Environmental Protection Specialist

## COST SUMMARY WORK

Task description: Bond updated for SO-6

Site: Piceance Pit

Permit Action: SO-6

Permit/Job#: M2001077

### PROJECT IDENTIFICATION

Task #: ACY

State: Colorado

Abbreviation: None

Date: 10/31/2024

County: Rio Blanco

Filename: M077-ACY

User: ACY

Agency or organization name: DRMS

### TASK LIST (DIRECT COSTS)

| Task                     | Description                  | Form Used | Fleet Size | Task Hours    | Cost             |
|--------------------------|------------------------------|-----------|------------|---------------|------------------|
| 01a                      | Demo structures              | DEMOLISH  | 1          | 5.50          | \$1,088          |
| 02a                      | Dewater Pit                  | PUMPING   | 1          | 445.59        | \$16,278         |
| 03a                      | Regrade highwalls to 3H: 1V  | DOZER     | 2          | 9.07          | \$5,836          |
| 04a                      | Decompact stockpile areas    | RIPPER    | 1          | 24.14         | \$8,309          |
| 05a                      | Transport and spread topsoil | TRUCK1    | 1          | 51.42         | \$57,230         |
| 06a                      | Reveg Riparian Areas         | REVEGE    | 1          | 3.00          | \$1,494          |
| 06b                      | Reveg Upland Areas           | REVEGE    | 1          | 24.00         | \$19,515         |
| 10a                      | Initial Mobilization         | MOBILIZE  | 1          | 11.60         | \$20,701         |
| 10b                      | Secondary Mobilization       | MOBILIZE  | 1          | 11.60         | \$2,722          |
| <b><u>SUBTOTALS:</u></b> |                              |           |            | <b>585.92</b> | <b>\$133,173</b> |

### INDIRECT COSTS

#### OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$2,690

Performance bond: 1.05

Total = \$1,398

Job superintendent: 292.96

Total = \$23,223

Profit: 10.00

Total = \$13,317

TOTAL O & P = \$40,629

CONTRACT AMOUNT (direct + O & P) = \$173,802

#### LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$500

Total = \$500

Engineering work and/or contract/bid preparation: 4.25

Total = \$7,387

Reclamation management and/or administration: 5.00

\$8,690

CONTINGENCY: 3.00

Total = \$3,995

TOTAL INDIRECT COST = \$61,200

**TOTAL BOND AMOUNT (direct + indirect) = \$194,373**

## DEMOLITION WORK

Task description: **Demo structures**

Site: **Piceance Pit**

Permit Action: SO-6

Permit/Job#: M2001077

### PROJECT IDENTIFICATION

Task #: 01A

State: Colorado

Abbreviation: None

Date: 10/31/2024

County: Rio Blanco

Filename: M077-01a

User: ACY

Agency or organization name: DRMS

### UNIT COSTS

**Location adjustment: 89.80 %**

| Structure or Item Description | Dimensions | Demolition Menu Selection   | Quantity | Unit | Unit Cost | Total Cost |
|-------------------------------|------------|---|----------|------|-----------|------------|
| Scale footers                 | 70' x 15'  | Demo. and on-site disposal in existing pit, 1.5 ft. x 2 ft. - Max. 200 ft. push | 170.00   | LF   | \$7.13    | \$1,212.13 |

Job Hours: **5.50**

**Subtotal**  
(unadjusted): **\$1,212.13**

**Total Cost**  
(adjusted for location): **\$1,088.49**

## PUMPING WORK

Task description: Dewater Pit

Site: Piceance Pit

Permit Action: SO-6

Permit/Job#: M2001077

### PROJECT IDENTIFICATION

Task #: 02A

State: Colorado

Abbreviation: None

Date: 10/31/2024

County: Rio Blanco

Filename: M077-02a

User: ACY

Agency or organization name: DRMS

### HOURLY EQUIPMENT COST

|                 | Description                        | Quantity |
|-----------------|------------------------------------|----------|
| Make and Model: | Submersible pump - 460v, 6 in.     | 1        |
| Attachment 1:   | Suction hose - 6 in. diam., 25 ft. | 2        |
| Attachment 2:   | Discharge hose - 6 in. D., 25 ft.  | 6        |
| Labor Unit 1:   | Pump operator                      | 1        |

Horsepower: 60

Shift Basis: 1 per day

Weight: 0.45

(US Tons)

#### Cost Breakdown:

|                       |                | Utilization % |
|-----------------------|----------------|---------------|
| Ownership Cost/Hour:  | <u>\$10.44</u> | <u>NA</u>     |
| Operating Cost/Hour:  | <u>\$4.02</u>  | <u>100</u>    |
| Operator Cost/Hour:   | <u>\$22.07</u> | <u>NA</u>     |
| Total Unit Cost/Hour: | <u>\$36.53</u> |               |

Total Fleet Cost/Hour: \$36.53

### PUMPING QUANTITIES

|                                    |                      |         |                                  |                    |
|------------------------------------|----------------------|---------|----------------------------------|--------------------|
| Initial Pond Volume:               | <u>120.00</u>        |         | Conversion factor:               | <u>325850.5800</u> |
| Final Pond Volume:                 | <u>39,102,069.60</u> | gallons |                                  |                    |
| Total Pond Inflow Surface Area:    | <u>450,500</u>       | Sq. ft. | Unit inflow rate in gph/sq. ft.: | <u>0.1758</u>      |
| Total Pond Inflow Volume per Hour: | <u>79,197.90</u>     | gallons |                                  |                    |

Source of estimated volume: 12 ac pond 10 ft deep bottom inflow

### PUMPING TIME

|                                  |                   |               |
|----------------------------------|-------------------|---------------|
| Maximum Pump Capacity:           | <u>130,000</u>    | gph/pump      |
| Estimated Suction Head:          | <u>5</u>          | feet          |
| Estimated Discharge Head:        | <u>15</u>         | feet          |
| Total Head:                      | <u>20</u>         | feet          |
| CPB Pump Capacity:               | <u>129,600</u>    | gph/pump      |
| Site Altitude:                   | <u>5,700</u>      | feet          |
| Adjusted Pumping Capacity:       | <u>129,600</u>    | gph           |
| Initial Unadjusted Pumping Time: | <u>301.71</u>     | hours         |
| Inflow during Initial Pumping:   | <u>23,895,076</u> | gallons       |
| Net Unadjusted Pumping Time:     | <u>486.09</u>     | Hours         |
| Altitude Adjustment Factor:      | <u>1.0000</u>     | (3% rule)     |
| Pump Efficiency Factor:          | <u>0.9167</u>     | (55 min./hr.) |
| Total Adjusted Pumping Time:     | <u>445.60</u>     | hours         |

### JOB TIME AND COST

Total job time: 445.60 Hours

Unit cost: \$0.000258 /Gallon

Total job cost: \$16,278

**BULLDOZER WORK**Task description: **Regrade highwalls to 3H: 1V**Site: **Piceance Pit**Permit Action: SO-6Permit/Job#: M2001077**PROJECT IDENTIFICATION**Task #: 03AState: ColoradoAbbreviation: NoneDate: 10/31/2024County: Rio BlancoFilename: M077-03aUser: ACYAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D8T - 8SUHorsepower: 310Blade Type: Semi-UniversalAttachment: NAShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

|                        |          | <u>Utilization %</u> |
|------------------------|----------|----------------------|
| Ownership Cost/Hour:   | \$173.32 | NA                   |
| Operating Cost/Hour:   | \$109.71 | 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: \$321.62Total Fleet Cost/Hour: **\$643.23****MATERIAL QUANTITIES**Initial Volume: 9,196Swell factor: 1.250Loose volume: **11,495 LCY**Source of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 75 feetUnadjusted hourly production: 1,017.1 LCY/hrMaterials consistency description: Compacted fill or embankment 0.9Average push gradient: -30 %Average site altitude: 5,700 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: | 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:   | 1.601 | (CAT HB)      |
| Altitude:        | 1.000 | (CAT HB)      |
| Material Weight: | 0.868 | (CAT HB)      |
| Blade type:      | 1.000 | (PAT)         |

Net correction: 0.6228

Adjusted unit production: 633.45 LCY/hr

Adjusted fleet production: **1266.9** LCY/hr

### **JOB TIME AND COST**

Fleet size: 2 Dozer(s)

Unit cost: \$0.508/LCY

Total job time: **9.07** Hours

Total job cost: **\$5,836**

## BULLDOZER RIPPING WORK

Task description: Decompact stockpile areas

Site: Piceance Pit Permit Action: SO-6 Permit/Job#: M2001077

### PROJECT IDENTIFICATION

Task #: 04A State: Colorado Abbreviation: None  
Date: 10/31/2024 County: Rio Blanco Filename: M077-04a  
User: ACY

Agency or organization name: DRMS

### HOURLY EQUIPMENT COST

Basic Machine: Cat D8T - 8SU Horsepower: 310  
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day  
Data Source: (CRG)

#### Cost Breakdown:

|                             |                        | Utilization % |
|-----------------------------|------------------------|---------------|
| Ownership Cost/Hour:        | <u>\$173.32</u>        | <u>NA</u>     |
| Operating Cost/Hour:        | <u>\$109.71</u>        | <u>100</u>    |
| Ripper Ownership Cost/Hour: | <u>\$14.53</u>         | <u>NA</u>     |
| Ripper Operating Cost/Hour: | <u>\$7.95</u>          | <u>100</u>    |
| Operator Cost/Hour:         | <u>\$38.59</u>         | <u>NA</u>     |
| Total Unit Cost/Hour:       | <u>\$344.10</u>        |               |
| Total Fleet Cost/Hour:      | <u><b>\$344.10</b></u> |               |

### MATERIAL QUANTITIES

Selected estimating method: Area

#### Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA  
Area: 15.00 acres Rip Depth (ft): 2.00 Volume: 48,400 BCY or CCY

Source of estimated quantity: Staff estimates

### HOURLY PRODUCTION

#### Seismic:

Seismic Velocity: NA feet/second

#### Area:

Average Ripping Depth: 2.56 feet/pass  
Average Ripping Width: 7.08 feet/pass  
Average Ripping Length: 150.00 feet/pass  
Average Dozer Speed: 88.00 feet/minute  
Average Maneuver Time: 0.25 minutes/pass  
Production per unit area: 0.748 acres/hour

#### Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.748 Acres/hr  
Site Altitude: 5,700 feet  
Altitude Adj: 1.00 (CAT HB)  
Job Efficiency: 0.83 (1 shift/day)  
Net Correction: 0.83 multiplier

Adjusted Hourly Unit Production: 0.62 Acres/hr  
Adjusted Hourly Fleet Production: **0.62** Acres/hr

### JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: **24.15** Hours

Unit cost: \$553.942 Per acre Total job cost: **\$8,309**



**TRUCK/LOADER TEAM WORK**Task description: Transport and spread topsoilSite: Piceance PitPermit Action: SO-6Permit/Job#: M2001077**PROJECT IDENTIFICATION**Task #: 05AState: ColoradoAbbreviation: NoneDate: 10/31/2024County: Rio BlancoFilename: M077-05aUser: ACYAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Shift basis: 1 per day

|                                 | Equipment Description |
|---------------------------------|-----------------------|
| Truck Loader Team -Truck:       | Cat 730               |
| -Loader:                        | CAT 972H              |
| Support Equipment -Load Area:   | Cat D8T - 8SU         |
| -Dump Area:                     | Cat D8T - 8SU         |
| Road Maintenance -Motor Grader: | NA                    |
| -Water Truck:                   | NA                    |

**Cost Breakdown:****Truck/Loader Team****Support Equipment****Maintenance Equipment**

|                        | Truck          | Loader   | Load Area         | Dump Area | Motor Grader  | Water Truck |
|------------------------|----------------|----------|-------------------|-----------|---------------|-------------|
| %Utilization-machine:  | 100            | 100      | 20                | 100       | NA            | NA          |
| Ownership cost/hour:   | \$108.67       | \$62.43  | \$173.32          | \$173.32  | NA            | NA          |
| Operating cost/hour:   | \$66.26        | \$57.98  | \$21.94           | \$109.71  | NA            | NA          |
| %Utilization-riper:    | NA             | 0        | NA                | NA        | NA            | NA          |
| Ripper own. cost/hour: | NA             | \$0.00   | \$0.00            | \$0.00    | NA            | NA          |
| Ripper op. cost/hour:  | NA             | \$0.00   | \$0.00            | \$0.00    | NA            | NA          |
| Operator cost/hour:    | \$25.24        | \$36.85  | \$38.59           | \$38.59   | NA            | NA          |
| Unit Subtotals:        | \$200.17       | \$157.26 | \$233.85          | \$321.62  | NA            | NA          |
| Number of Units:       | 2              | 1        | 1                 | 1         | 0             | 0           |
| Group Subtotals:       | Work: \$557.60 |          | Support: \$555.47 |           | Maint: \$0.00 |             |

Total work team cost/hour: \$1,113.07**MATERIAL QUANTITIES**Initial volume: 18,962

CCY

Swell factor: 1.215Loose volume: 23,039

LCY

Source of estimated volume: 17.63 ac @ 8"Source of estimated swell factor: Cat HandbookMaterial Purchase Cost: \$0.00Total Cost: \$0.00**HOURLY PRODUCTION****Truck Capacity:**Truck Payload (weight) Basis:Material weight: 1,600

Pounds/LCY

Description: Top SoilRated Payload: 62,000

Pounds

Payload Capacity: 38.75

LCY

**Truck Bed (volume) Basis:**

|                  |       |     |
|------------------|-------|-----|
| Struck Volume:   | 17.10 | LCY |
| Heaped Volume:   | 22.10 | LCY |
| Average Volume:  | 19.60 | LCY |
| Adjusted Volume: | 22.10 | LCY |

Final Truck Volume Based on Number of Loader Passes: **17.64** LCY

**Loading Tool Capacity**

Bucket Size Class: NA

|                     |              |                                     |
|---------------------|--------------|-------------------------------------|
| Rated Capacity:     | 5.600        | LCY (heaped)                        |
| Bucket Fill Factor: | 1.050        | Other - moist loam (100-110%) 1.050 |
| Adjusted Capacity:  | <b>5.880</b> | LCY                                 |

**Job Condition Corrections:**

Site Altitude (ft.): 5700 feet

|                 | <b>Truck</b> | <b>Loader</b> | <b>Source</b> |
|-----------------|--------------|---------------|---------------|
| Altitude Adj:   | 1.000        | 1.000         | (CAT HB)      |
| Job Efficiency: | 0.830        | 0.830         | (CAT HB)      |
| Net Correction: | <b>0.830</b> | <b>0.830</b>  |               |

**Loading Tool Cycle Time:** Number of Loading Tool Passes Required to Fill Truck: 3 passes

**Excavators and Front Shovels:**

Machine Cycle Time vs. Job Condition Rating: NA  
 Selected Value within this Basic Rating: NA

Track Loaders – Material Description: \_\_\_\_\_

Cycle Time Elements (min.):

Load: NA Maneuver: NA Dump: 0.100

Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.525 minutes

| Cycle Time Factors          |  | Factor (min.) | Source   |
|-----------------------------|--|---------------|----------|
| Material:                   | Mixed material 0.02                              | 0.020         | (Cat HB) |
| Stockpile:                  | Conveyor or dozer piled 10 ft. high or less 0.01 | 0.010         | (Cat HB) |
| Truck Ownership:            | Common ownership of trucks and loaders -0.04     | -0.040        | (Cat HB) |
| Operation:                  | Constant operation -0.04                         | -0.040        | (Cat HB) |
| Dump Target:                | Nominal target 0.00                              | 0.000         | (Cat HB) |
| Net Cycle Time Adjustment:  |  | -0.050        | minutes  |
| Adjusted Loader Cycle Time: |  | <b>0.475</b>  | minutes  |
| Net Load Time per Truck:    |  | <b>1.050</b>  | minutes  |

**Truck Cycle Time:**

|                               |       |         |                             |       |         |
|-------------------------------|-------|---------|-----------------------------|-------|---------|
| Truck Exchange Time:          | 0.60  | Minutes | Adjusted for site altitude: | 0.600 | Minutes |
| Truck Load Time:              | 1.050 | Minutes | Adjusted for site altitude: | 1.050 | Minutes |
| Truck Maneuver and Dump Time: | 1.00  | Minutes | Adjusted for site altitude: | 1.000 | Minutes |

Truck Travel (Haul & Return) Time:  
penetration 4.0

Road Condition: Rutted dirt, little maintenance, no water, 1" tire

## Haul Route:

| Seg # | Haul Distance<br>(Ft) | Grade (%) | Roll. Res<br>(%) | Total Res<br>(%) | Velocity<br>(fpm) | Travel<br>Time<br>(min) |
|-------|-----------------------|-----------|------------------|------------------|-------------------|-------------------------|
| 1     | 1000.00               | 0.00      | 4.00             | 4.00             | 1774              | 0.753                   |

Haul Time: **0.753** minutes

## Return Route:

| Seg # | Haul Distance<br>(Ft) | Grade (%) | Roll. Res<br>(%) | Total Res<br>(%) | Velocity<br>(fpm) | Travel<br>Time<br>(min) |
|-------|-----------------------|-----------|------------------|------------------|-------------------|-------------------------|
| 1     | 1000.00               | 0.00      | 4.00             | 4.00             | 2855              | 0.518                   |

Return Time: **0.518** minutesTotal Truck Cycle Time: **3.921** minutes

## Loading Tool unit

Production 641.45 LCY/Hour      Adjusted for job efficiency: 532.41 LCY/Hour  
Truck Unit Production 269.93 LCY/Hour      Adjusted for job efficiency: 224.04 LCY/Hour

Optimal No. of Trucks: 2 Truck(s)      Selected Number of Trucks: 2 Truck(s)

Adjusted hourly truck team production: 448.09 LCY/Hour  
Adjusted single truck/loader team production: 448.09 LCY/Hour  
Adjusted multiple truck/loader team production: **448.09** LCY/Hour

**JOB TIME AND COST**Fleet size: 1 Team(s)      Total job time: **51.42** HoursUnit cost: \$2.484 /LCY      Total job cost: **\$57,230**

**REVEGETATION WORK**Task description: **Reveg Riparian Areas**Site: **Piceance Pit**Permit Action: **SO-6**Permit/Job#: **M2001077****PROJECT IDENTIFICATION**Task #: **06A**State: **Colorado**Abbreviation: **None**Date: **10/31/2024**County: **Rio Blanco**Filename: **M077-06a**User: **ACY**Agency 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      |
|--|-----------------|
| Disc harrowing, 6" deep (MEANS 32 91 13.23 6100) | \$117.61        |
| <b>Total Tilling Cost/Acre</b>                   | <b>\$117.61</b> |

**SEEDING**

| Seed Mix                      | Rate –<br>PLS<br>LBS /<br>Acre | Seeds<br>per SQ.<br>FT | Cost /Acre      |
|-------------------------------|--------------------------------|------------------------|-----------------|
| Alkali Sacaton                | 1.00                           | 39.03                  | \$29.08         |
| Streambank Wheatgrass - Sodar | 5.50                           | 17.93                  | \$45.66         |
| Western Wheatgrass - Rosanna  | 8.00                           | 20.20                  | \$70.20         |
| Saltgrass, Inland             | 1.50                           | 20.79                  | \$74.76         |
| Tufted Hairgrass              | 1.00                           | 57.39                  | \$28.48         |
| Basin Wildrye - Trailhead     | 5.00                           | 20.32                  | \$65.07         |
| <b>Totals Seed Mix</b>        | <b>22.00</b>                   | <b>175.66</b>          | <b>\$313.26</b> |

**Application**

| Description                             | Cost /Acre      |
|---|-----------------|
| Drill Seeding (DRMS Survey Cost)        | \$236.64        |
| <b>Total Seed Application Cost/Acre</b> | <b>\$236.64</b> |

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

| Description                            | Units /<br>Acre | Unit | Cost / Unit | Cost /Acre    |
|--|-----------------|------|-------------|---------------|
| Herbicide - 2,4D @ 1.0 pt/ac           | 1.00            | ACRE | \$4.13      | \$4.13        |
| <b>Total Mulch Materials Cost/Acre</b> |                 |      |             | <b>\$4.13</b> |

**Application**

| Description                                 | Cost /Acre     |
|---|----------------|
| Weed spray, truck, aquatic area, nox. [DMG] | \$79.77        |
| <b>Total Mulch Application Cost/Acre</b>    | <b>\$79.77</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: 1.42 Cost /Acre: \$751.41  
 Estimated Failure Rate: 40% Cost /Acre\*: \$751.41  
 \*Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: **\$1,067.00**  
 Reseeding Job Cost: **\$426.80**  
 Total Job Cost: **\$1,494**  
 Job Hours: **3.00**

**REVEGETATION WORK**Task description: Reveg Upland AreasSite: Piceance PitPermit Action: SO-6Permit/Job#: M2001077**PROJECT IDENTIFICATION**Task #: 06BState: ColoradoAbbreviation: NoneDate: 10/31/2024County: Rio BlancoFilename: M077-06bUser: ACYAgency 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      |
|--|-----------------|
| Disc harrowing, 6" deep (MEANS 32 91 13.23 6100) | \$117.61        |
| <b>Total Tilling Cost/Acre</b>                   | <b>\$117.61</b> |

**SEEDING**

| Seed Mix                      | Rate –<br>PLS<br>LBS /<br>Acre | Seeds<br>per SQ.<br>FT | Cost /Acre      |
|-------------------------------|--------------------------------|------------------------|-----------------|
| Indian Ricegrass - Nespar     | 6.00                           | 19.42                  | \$103.33        |
| Bluebunch Wheatgrass - Secar  | 6.00                           | 19.28                  | \$63.08         |
| Bottlebrush Squirreltail      | 4.50                           | 19.83                  | \$114.32        |
| Sandberg Bluegrass - VNS      | 1.50                           | 31.85                  | \$21.67         |
| Streambank Wheatgrass - Sodar | 5.50                           | 17.93                  | \$45.66         |
| Western Wheatgrass - Rosanna  | 8.00                           | 20.20                  | \$70.20         |
| <b>Totals Seed Mix</b>        | <b>31.50</b>                   | <b>128.52</b>          | <b>\$418.27</b> |

**Application**

| Description                             | Cost /Acre      |
|---|-----------------|
| Drill Seeding (DRMS Survey Cost)        | \$236.64        |
| <b>Total Seed Application Cost/Acre</b> | <b>\$236.64</b> |

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

| Description                            | Units /<br>Acre | Unit | Cost / Unit | Cost /Acre    |
|--|-----------------|------|-------------|---------------|
| Herbicide - 2,4D @ 1.0 pt/ac           | 1.00            | ACRE | \$4.13      | \$4.13        |
| <b>Total Mulch Materials Cost/Acre</b> |                 |      |             | <b>\$4.13</b> |

**Application**

| Description                                     | Cost /Acre     |
|---|----------------|
| Weed spray, truck, non-aquatic area, nox. [DMG] | \$83.26        |
| <b>Total Mulch Application Cost/Acre</b>        | <b>\$83.26</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: 16.21                      Cost /Acre: \$859.91  
 Estimated Failure Rate: 40%                      Cost /Acre\*: \$859.91  
 \*Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: **\$13,939.14**  
 Reseeding Job Cost: **\$5,575.66**  
 Total Job Cost: **\$19,515**  
 Job Hours: **24.00**

**EQUIPMENT MOBILIZATION/DEMOBILIZATION**Task description: **Initial Mobilization**Site: **Piceance Pit**Permit Action: **SO-6**Permit/Job#: **M2001077****PROJECT IDENTIFICATION**Task #: **10A**State: **Colorado**Abbreviation: **None**Date: **10/31/2024**County: **Rio Blanco**Filename: **M077-10a**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:            | \$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 |
|---|---------------------------|-----------------------------|--------------------------|---------------|--------------------------------|-------------------------------|---------------------------|
| Submersible pump<br>- 460v, 6 in.         | 0.45                      | \$8.79                      | \$59.44                  | 1             | \$68.23                        | \$59.44                       | \$250.00                  |
| Cat 307D 7'-3"<br>Stick                   | 7.95                      | \$281.20                    | \$59.44                  | 1             | \$340.64                       | \$59.44                       | \$250.00                  |
| Cat D8T - 8SU                             | 53.08                     | \$187.85                    | \$125.64                 | 2             | \$626.98                       | \$251.28                      | \$750.00                  |
| Drill/Broadcast<br>Seeder with<br>Tractor | 25.00                     | \$41.02                     | \$59.44                  | 1             | \$100.46                       | \$59.44                       | \$250.00                  |
| Cat 730                                   | 25.19                     | \$108.67                    | \$59.44                  | 2             | \$336.22                       | \$118.88                      | \$500.00                  |
| CAT 972H                                  | 28.00                     | \$62.43                     | \$122.78                 | 1             | \$185.21                       | \$122.78                      | \$250.00                  |

Subtotals: **\$1,657.74** **\$671.26** **\$2,250.00****ROADABLE EQUIPMENT:**

| Machine Description                  | Total Cost/hr/<br>unit | Fleet Size | Haul Trip<br>Cost/hr/ fleet | Return Trip<br>Cost/hr/ fleet |
|--------------------------------------|------------------------|------------|-----------------------------|-------------------------------|
| Flatbed Truck, 4x2, 30K GVW          | \$94.44                | 1          | \$94.44                     | \$94.44                       |
| Light Duty Pickup, 4x4, 1 T.<br>Crew | \$130.54               | 2          | \$261.08                    | \$261.08                      |

Subtotals: **\$355.52** **\$355.52**



**EQUIPMENT HAUL DISTANCE and Time**

|  |                |       |
|--|----------------|-------|
| Nearest Major City or Town within project area region: | GRAND JUNCTION |       |
| Total one-way travel distance:                         | 120.00         | miles |
| Average Travel Speed:                                  | 50.00          | mph   |

|                                     |             |
|-------------------------------------|-------------|
| Total Non-Roadable Mob/Demob Cost * | \$18,994.68 |
| '* two round trips with haul rig:   |             |
| Total Roadable Mob/Demob Cost **    | \$1,706.50  |
| '** one round trip, no haul rig:    |             |

**Transportation Cycle Time:**

|                         | Non-Roadable<br>Equipment | Roadable<br>Equipment |
|-------------------------|---------------------------|-----------------------|
| Haul Time (Hours):      | 2.40                      | 2.40                  |
| Return Time (Hours):    | 2.40                      | 2.40                  |
| Loading Time (Hours):   | 0.50                      | NA                    |
| Unloading Time (Hours): | 0.50                      | NA                    |
| Subtotals:              | 5.80                      | 4.80                  |

**JOB TIME AND COST**

|                 |       |       |
|-----------------|-------|-------|
| Total job time: | 11.60 | Hours |
|-----------------|-------|-------|

|                 |          |
|-----------------|----------|
| Total job cost: | \$20,701 |
|-----------------|----------|

**EQUIPMENT MOBILIZATION/DEMOBILIZATION**Task description: Secondary MobilizationSite: Piceance PitPermit Action: SO-6Permit/Job#: M2001077**PROJECT IDENTIFICATION**Task #: 10BState: ColoradoAbbreviation: NoneDate: 10/31/2024County: Rio BlancoFilename: M077-10bUser: 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:            | \$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 |
|---|---------------------------|-----------------------------|--------------------------|---------------|--------------------------------|-------------------------------|---------------------------|
| Drill/Broadcast<br>Seeder with<br>Tractor | 25.00                     | \$41.02                     | \$59.44                  | 1             | \$100.46                       | \$59.44                       | \$250.00                  |

Subtotals: **\$100.46** **\$59.44** **\$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 | \$130.54               | 2          | \$261.08                    | \$261.08                      |

Subtotals: **\$261.08** **\$261.08**

**EQUIPMENT HAUL DISTANCE and Time**

|  |                       |       |
|--|-----------------------|-------|
| Nearest Major City or Town within project area region: | <u>GRAND JUNCTION</u> |       |
| Total one-way travel distance:                         | <u>120.00</u>         | miles |
| Average Travel Speed:                                  | <u>50.00</u>          | mph   |

|                                     |                   |
|-------------------------------------|-------------------|
| Total Non-Roadable Mob/Demob Cost * | <u>\$1,468.44</u> |
| ** two round trips with haul rig:   |                   |
| Total Roadable Mob/Demob Cost **    | <u>\$1,253.18</u> |
| ** one round trip, no haul rig:     |                   |

**Transportation Cycle Time:**

|                         | Non-Roadable Equipment | Roadable Equipment |
|-------------------------|------------------------|--------------------|
| Haul Time (Hours):      | <u>2.40</u>            | <u>2.40</u>        |
| Return Time (Hours):    | <u>2.40</u>            | <u>2.40</u>        |
| Loading Time (Hours):   | <u>0.50</u>            | <u>NA</u>          |
| Unloading Time (Hours): | <u>0.50</u>            | <u>NA</u>          |
| Subtotals:              | <u>5.80</u>            | <u>4.80</u>        |

**JOB TIME AND COST**

|                 |              |       |
|-----------------|--------------|-------|
| Total job time: | <u>11.60</u> | Hours |
|-----------------|--------------|-------|

|                 |                |
|-----------------|----------------|
| Total job cost: | <u>\$2,722</u> |
|-----------------|----------------|