

## COST SUMMARY WORK

Task description: 2022 Rec progress update

Site: DeBeque Gravel Pit

Permit Action: 05-2022

Permit/Job#: M1981058

### PROJECT IDENTIFICATION

Task #: ACY

State: Colorado

Abbreviation: None

Date: 5/25/2022

County: Mesa

Filename: M058-ACY

User: ACY

Agency or organization name: DRMS

### TASK LIST (DIRECT COSTS)

| Task                     | Description                         | Form Used | Fleet Size | Task Hours | Cost            |
|--------------------------|-------------------------------------|-----------|------------|------------|-----------------|
| 01a                      | Failure Revegetation 70% of 9 acres | REVEGE    | 1          | 16.00      | \$15,224        |
| 02a                      | Mobilization                        | MOBILIZE  | 1          | 4.00       | \$1,657         |
| <b><u>SUBTOTALS:</u></b> |                                     |           |            | <b>20</b>  | <b>\$16,881</b> |

### INDIRECT COSTS

#### OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$341

Performance bond: 1.05

Total = \$177

Job superintendent: 0.00

Total = \$0

Profit: 10.00

Total = \$1,688

TOTAL O & P = \$2,206

CONTRACT AMOUNT (direct + O & P) = \$19,087

#### LEGAL - ENGINEERING - PROJECT MANAGEMENT:

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

Total = \$500

Engineering work and/or contract/bid preparation: 0.00

Total = \$0

Reclamation management and/or administration: 5.00

\$954

CONTINGENCY: 3.00

Total = \$506

TOTAL INDIRECT COST = \$4,167

**TOTAL BOND AMOUNT (direct + indirect) = \$21,048**

**REVEGETATION WORK**Task description: Failure Revegetation 70% of 9 acresSite: DeBeque Gravel PitPermit Action: 05-2022Permit/Job#: M1981058**PROJECT IDENTIFICATION**Task #: 01AState: ColoradoAbbreviation: NoneDate: 5/25/2022County: MesaFilename: M058-01aUser: 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) | \$114.56        |
| Weed control spraying (MEANS 31 31 16.13 3100)   | \$290.40        |
| <b>Total Tilling Cost/Acre</b>                   | <b>\$404.96</b> |

**SEEDING**

| Seed Mix                    | Rate –<br>PLS<br>LBS /<br>Acre | Seeds<br>per SQ.<br>FT | Cost /Acre     |
|-----------------------------|--------------------------------|------------------------|----------------|
| Alkali Sacaton              | 0.25                           | 9.76                   | \$7.12         |
| Indian Ricegrass - Paloma   | 1.50                           | 4.86                   | \$16.69        |
| Sand Dropseed               | 0.10                           | 11.94                  | \$0.98         |
| Pubescent Wheatgrass - Luna | 2.00                           | 4.13                   | \$6.80         |
| Sainfoin - Remont           | 2.00                           | 0.87                   | \$6.32         |
| Western Wheatgrass - Native | 2.00                           | 5.05                   | \$12.00        |
| Saltbush, Four Wing         | 0.25                           | 0.34                   | \$3.13         |
|                             |                                | 36.95                  | <b>\$53.03</b> |

|                        |      |  |  |
|------------------------|------|--|--|
| <b>Totals Seed Mix</b> | 8.10 |  |  |
|------------------------|------|--|--|

**Application**

| <b>Description</b>                      | <b>Cost /Acre</b> |
|---|-------------------|
| Drill Seeding (DRMS Survey Cost)        | \$232.00          |
| <b>Total Seed Application Cost/Acre</b> | <b>\$232.00</b>   |

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

| <b>Description</b>                        | <b>Units / Acre</b> | <b>Unit</b> | <b>Cost / Unit</b> | <b>Cost /Acre</b> |
|---|---------------------|-------------|--------------------|-------------------|
| Herbicide - Banvel @ 1.0 pt/ac            | 1.00                | ACRE        | \$8.83             | \$8.83            |
| Straw, delivered {MEANS 31 25 14.16 1200} | 2.00                | TON         | \$307.02           | \$614.04          |
| <b>Total Mulch Materials Cost/Acre</b>    |                     |             |                    | <b>\$622.87</b>   |

**Application**

| <b>Description</b>                          | <b>Cost /Acre</b> |
|---|-------------------|
| Crimping, with tractor {DMG survey data}    | \$71.57           |
| Power mulcher (MEANS 32 91 13.16 0350)      | \$106.29          |
| Weed spray, truck, aquatic area, nox. [DMG] | \$62.72           |
| <b>Total Mulch Application Cost/Acre</b>    | <b>\$240.58</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:                    | 7                        | Cost /Acre:  | \$1,553.44 |
| Estimated Failure Rate:          | 40%                      | Cost /Acre*: | \$1,553.44 |
| *Selected Replanting Work Items: | TILLING,SEEDING,MULCHING |              |            |
| Initial Job Cost:                | <b>\$10,874.08</b>       |              |            |
| Reseeding Job Cost:              | <b>\$4,349.63</b>        |              |            |
| Total Job Cost:                  | <b>\$15,224</b>          |              |            |
| Job Hours:                       | <b>16.00</b>             |              |            |

**EQUIPMENT MOBILIZATION/DEMOBILIZATION**Task description: **Mobilization**Site: **DeBeque Gravel Pit**Permit Action: **05-2022**Permit/Job#: **M1981058****PROJECT IDENTIFICATION**Task #: **02A**State: **Colorado**Abbreviation: **None**Date: **5/25/2022**County: **Mesa**Filename: **M058-02a**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:            | \$21.28          | \$37.94           | \$47.67         |
| Operating Cost/Hour:            | \$26.55          | \$50.48           | \$56.21         |
| Operator Cost/Hour:             | \$20.54          | \$20.54           | \$20.54         |
| Helper Cost/Hour:               | \$0.00           | \$23.53           | \$23.53         |
| Total Unit Cost/Hour:           | \$68.37          | \$132.49          | \$147.95        |

**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                     | \$7.98                      | \$68.37                  | 1             | \$76.35                        | \$68.37                       | \$250.00                  |
| Power Mulcher<br>(Bowie LD-90)            | 6.00                      | \$14.98                     | \$68.37                  | 1             | \$83.35                        | \$68.37                       | \$250.00                  |
| Subtotals:                                |                           |                             |                          |               | <b>\$159.70</b>                | <b>\$136.74</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 |
|--------------------------------|------------------------|------------|-----------------------------|-------------------------------|
| Light Duty Pickup, 4x4, 3/4 T. | \$41.16                | 1          | \$41.16                     | \$41.16                       |
| Subtotals:                     |                        |            | <b>\$41.16</b>              | <b>\$41.16</b>                |

**EQUIPMENT HAUL DISTANCE and Time**

|  |                       |       |
|--|-----------------------|-------|
| Nearest Major City or Town within project area region: | GRAND JUNCTION,<br>CO |       |
| Total one-way travel distance:                         | 25.00                 | miles |
| Average Travel Speed:                                  | 50.00                 | mph   |
| Total Non-Roadable Mob/Demob Cost *                    | \$1,615.84            |       |
| '* two round trips with haul rig:                      |                       |       |
| Total Roadable Mob/Demob Cost **                       | \$41.16               |       |
| ** one round trip, no haul rig:                        |                       |       |

**Transportation Cycle Time:**

|                         | Non-Roadable<br>Equipment | Roadable<br>Equipment |
|-------------------------|---------------------------|-----------------------|
| Haul Time (Hours):      | 0.50                      | 0.50                  |
| Return Time (Hours):    | 0.50                      | 0.50                  |
| Loading Time (Hours):   | 0.50                      | NA                    |
| Unloading Time (Hours): | 0.50                      | NA                    |
| Subtotals:              | 2.00                      | 1.00                  |

**JOB TIME AND COST**

|                 |         |       |
|-----------------|---------|-------|
| Total job time: | 4.00    | Hours |
| Total job cost: | \$1,657 |       |