

COST SUMMARY WORK

Task description: Dunn Pit Bond Estimate

Site: Dunn Pit

Permit Action: Bond Estimate

Permit/Job#: M2021059

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 12/22/2021

County: Weld

Filename: M059-000

User: PSH

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

| Task | Description | Form Used | Fleet Size | Task Hours | Cost |
|--------------------------|---|------------------|------------|---------------|--------------------|
| 001 | Revegetate C1 Shoreline | REVEGE | 1 | 40.00 | \$1,884 |
| 002 | Topsoil C1 Shoreline | TRUCK1 | 1 | 13.06 | \$6,114 |
| 003 | Revegetate C1 Wetlands | REVEGE | 1 | 20.00 | \$1,110 |
| 004 | Slope C1 West Slope | DOZER | 1 | 3.72 | \$629 |
| 005 | Rip Access Road | RIPPER | 1 | 0.73 | \$132 |
| 006 | Revegetate Access Road | REVEGE | 1 | 20.00 | \$564 |
| 007 | Mob / Demob | MOBILIZE | 1 | 5.37 | \$3,649 |
| 008 | Bond to Backfill C1 until Augmentation Decree | SITEMAINT ENANCE | 1 | 160.00 | \$2,420,000 |
| <u>SUBTOTALS:</u> | | | | 262.88 | \$2,434,082 |

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$49,168

Performance bond: 1.05

Total = \$25,558

Job superintendent: 131.44

Total = \$9,468

Profit: 10.00

Total = \$243,408

TOTAL O & P = \$327,602

CONTRACT AMOUNT (direct + O & P) = \$2,761,684

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

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

Total = \$500

Engineering work and/or contract/bid preparation: 4.25

Total = \$117,372

Reclamation management and/or administration: 5.00

\$138,084

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$583,558

TOTAL BOND AMOUNT (direct + indirect) = \$3,018,000 (Rounded)

REVEGETATION WORKTask description: Revegetate C1 ShorelineSite: Dunn PitPermit Action: Bond EstimatePermit/Job#: M2021059**PROJECT IDENTIFICATION**Task #: 001State: ColoradoAbbreviation: NoneDate: 12/21/2021County: WeldFilename: M059-001User: PSHAgency or organization name: DRMS**FERTILIZING****Materials**

| Description | Units / Acre | Unit | Cost / Unit | Cost /Acre |
|-------------|-----------------|------|---|---------------|
| | | | \$ | \$ |
| | | | Total Fertilizer Materials Cost/Acre | \$0.00 |

Application

| Description | Cost /Acre |
|---|---------------|
| | \$ |
| Total Fertilizer Application Cost/Acre | \$0.00 |

TILLING

| Description | Cost /Acre |
|--|-----------------|
| Chisel plowing {DMG} | \$96.50 |
| Weed control spraying (MEANS 31 31 16.13 3100) | \$290.40 |
| Total Tilling Cost/Acre | \$386.90 |

SEEDING

| Seed Mix | Rate – PLS LBS / Acre | Seeds per SQ. FT | Cost /Acre |
|-----------------------------|--------------------------------|------------------------|-----------------|
| Blue Grama - Hachita | 0.75 | 12.24 | \$11.98 |
| Alkali Sacaton | 1.00 | 39.03 | \$28.48 |
| Alkaligrass, Fult's | 0.50 | 13.77 | \$1.81 |
| Canada Wildrye | 3.00 | 7.92 | \$32.52 |
| Bottlebrush Squirreltail | 2.25 | 9.92 | \$36.51 |
| Western Wheatgrass - Arriba | 10.00 | 25.25 | \$65.00 |
| Saltgrass, Inland | 0.50 | 6.93 | \$21.40 |
| | | 115.06 | \$197.70 |

| | | | |
|------------------------|-------|--|--|
| Totals Seed Mix | 18.00 | | |
|------------------------|-------|--|--|

Application

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

MULCHING and MISCELLANEOUS**Materials**

| Description | Units / Acre | Unit | Cost / Unit | Cost /Acre |
|---|-------------------------|-------------|--------------------|-------------------|
| Hay, delivered {MEANS 31 25 14.16 1200} | 10.00 | BALE | \$12.28 | \$122.80 |
| Herbicide - 2,4D @ 1.0 pt/ac | 2.00 | ACRE | \$2.98 | \$5.96 |
| Total Mulch Materials Cost/Acre | | | | \$128.76 |

Application

| Description | Cost /Acre |
|--|-------------------|
| Crimping, with tractor {DMG survey data} | \$71.57 |
| Weed spray, truck, non-aquatic area, nox. [DMG] | \$62.72 |
| Weed spray, truck, non-aquatic areas, ann. [DMG] | \$22.81 |
| Total Mulch Application Cost/Acre | \$157.10 |

NURSERY STOCK PLANTING

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

JOB TIME AND COST

| | | | |
|----------------------------------|------------------|--------------|------------|
| No. of Acres: | 1.47 | Cost /Acre: | \$1,102.46 |
| Estimated Failure Rate: | 25% | Cost /Acre*: | \$715.56 |
| *Selected Replanting Work Items: | SEEDING,MULCHING | | |
| Initial Job Cost: | \$1,620.62 | | |
| Reseeding Job Cost: | \$262.97 | | |
| Total Job Cost: | \$1,884 | | |
| Job Hours: | 40.00 | | |

TRUCK/LOADER TEAM WORKTask description: Topsoil C1 ShorelineSite: Dunn PitPermit Action: Bond EstimatePermit/Job#: M2021059**PROJECT IDENTIFICATION**Task #: 002State: ColoradoAbbreviation: NoneDate: 12/22/2021County: WeldFilename: M059-002User: PSHAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Shift basis: 1 per day

| | | Equipment Description |
|---------------------------------|--|-----------------------|
| Truck Loader Team -Truck: | | Generic 7-8 cy, 4x4 |
| -Loader: | | CAT 928Hz |
| Support Equipment -Load Area: | | Cat D6T XL |
| -Dump Area: | | NA |
| Road Maintenance -Motor Grader: | | CAT 14M |
| -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 | 15 | 50 | NA | 75 | NA |
| Ownership cost/hour: | \$16.03 | \$30.09 | \$64.38 | NA | \$85.80 | NA |
| Operating cost/hour: | \$25.50 | \$4.48 | \$32.31 | NA | \$45.30 | NA |
| %Utilization-riper: | NA | 0 | NA | NA | NA | NA |
| Ripper own. cost/hour: | NA | \$0.00 | \$0.00 | NA | \$0.00 | NA |
| Ripper op. cost/hour: | NA | \$0.00 | \$0.00 | NA | \$0.00 | NA |
| Operator cost/hour: | \$0.00 | \$35.97 | \$40.04 | NA | \$46.87 | NA |
| Unit Subtotals: | \$41.53 | \$70.54 | \$136.73 | NA | \$177.97 | NA |
| Number of Units: | 2 | 1 | 1 | 0 | 1 | 0 |
| Group Subtotals: | Work: \$153.60 | | Support: \$136.73 | | Maint: \$177.97 | |

Total work team cost/hour: \$468.30**MATERIAL QUANTITIES**Initial volume: 2,378

CCY

Swell factor: 1.000Loose volume: 2,378

LCY

Source of estimated volume: Division of Reclamation, Mining & SafetySource 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: 20,300

Pounds

Payload Capacity: 12.69 LCY

Truck Bed (volume) Basis:

Struck Volume: 7.00 LCY
 Heaped Volume: 8.00 LCY
 Average Volume: 7.50 LCY
 Adjusted Volume: 8.00 LCY

Final Truck Volume Based on Number of Loader Passes: 5.85 LCY

Loading Tool Capacity

Bucket Size Class: NA

| | | |
|---------------------|--------------|---|
| Rated Capacity: | <u>3.000</u> | LCY (heaped) |
| Bucket Fill Factor: | <u>0.975</u> | Loose material - mixed moist aggregates (95-100%) 0.975 |
| Adjusted Capacity: | <u>2.925</u> | LCY |

Job Condition Corrections:

Site Altitude (ft.): 4745 feet

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

Loading Tool Cycle Time:

Number of Loading Tool Passes Required to Fill
 Truck: 2 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): 0.475 minutes

| Cycle Time Factors | | Factor (min.) | Source |
|-----------------------------|--|---------------|----------|
| Material: | Material up to 1/8" diameter 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: | | 0.425 | minutes |
| Net Load Time per Truck: | | 0.525 | minutes |

Truck Cycle Time:

| | | | | | |
|-------------------------------|--------------|---------|-----------------------------|--------------|---------|
| Truck Exchange Time: | <u>0.50</u> | Minutes | Adjusted for site altitude: | <u>0.500</u> | Minutes |
| Truck Load Time: | <u>0.525</u> | Minutes | Adjusted for site altitude: | <u>0.525</u> | Minutes |
| Truck Maneuver and Dump Time: | <u>0.80</u> | Minutes | Adjusted for site altitude: | <u>0.800</u> | Minutes |

Truck Travel (Haul & Return) Time:
maintained 3.0

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered.

Haul Route:

| Seg # | Haul Distance (Ft) | Grade (%) | Roll. Res (%) | Total Res (%) | Velocity (fpm) | Travel Time (min) |
|-------|-----------------------|-----------|------------------|------------------|-------------------|-------------------------|
| 1 | 1200.00 | 5.00 | 3.00 | 8.00 | 1381 | 0.898 |

Haul Time: **0.898** minutes

Return Route:

| Seg # | Haul Distance (Ft) | Grade (%) | Roll. Res (%) | Total Res (%) | Velocity (fpm) | Travel Time (min) |
|-------|-----------------------|-----------|------------------|------------------|-------------------|-------------------------|
| 1 | 1200.00 | -5.00 | 3.00 | -2.00 | 2938 | 0.476 |

Return Time: **0.476** minutesTotal Truck Cycle Time: **3.199** minutes

Loading Tool unit

Production 342.44 LCY/Hour Adjusted for job efficiency: 284.22 LCY/Hour
 Truck Unit Production 109.72 LCY/Hour Adjusted for job efficiency: 91.07 LCY/Hour

Optimal No. of Trucks: 3 Truck(s) Selected Number of Trucks: 2 Truck(s)

Adjusted hourly truck team production: 182.14 LCY/Hour
 Adjusted single truck/loader team production: 182.14 LCY/Hour
 Adjusted multiple truck/loader team production: **182.14** LCY/Hour

JOB TIME AND COSTFleet size: 1 Team(s) Total job time: **13.06** HoursUnit cost: \$2.571 /LCY Total job cost: **\$6,114**

REVEGETATION WORKTask description: Revegetate C1 WetlandsSite: Dunn PitPermit Action: Bond EstimatePermit/Job#: M2021059**PROJECT IDENTIFICATION**Task #: 003State: ColoradoAbbreviation: NoneDate: 12/22/2021County: WeldFilename: M059-003User: PSHAgency or organization name: DRMS**FERTILIZING****Materials**

| Description | Units / Acre | Unit | Cost / Unit | Cost /Acre |
|-------------|-----------------|------|---|---------------|
| | | | \$ | \$ |
| | | | Total Fertilizer Materials Cost/Acre | \$0.00 |

Application

| Description | Cost /Acre |
|---|---------------|
| | \$ |
| Total Fertilizer Application Cost/Acre | \$0.00 |

TILLING

| Description | Cost /Acre |
|--|-----------------|
| Chisel plowing {DMG} | \$96.50 |
| Weed control spraying (MEANS 31 31 16.13 3100) | \$290.40 |
| Total Tilling Cost/Acre | \$386.90 |

SEEDING

| Seed Mix | Rate – PLS LBS / Acre | Seeds per SQ. FT | Cost /Acre |
|-------------------------|--------------------------------|------------------------|------------|
| Indiangrass - Cheyenne | 1.20 | 3.66 | \$13.56 |
| Switchgrass - Blackwell | 1.50 | 13.40 | \$17.25 |
| Alkali Bulrush | 1.50 | 14.81 | \$60.75 |
| Creeping Spike Rush | 0.60 | 8.54 | \$108.60 |
| Needle Spike Rush | 0.40 | 5.69 | \$90.80 |
| Canada Wildrye | 1.50 | 3.96 | \$16.26 |
| Softstem Bulrush | 0.60 | 7.58 | \$78.63 |
| Hardstem Bulrush | 0.60 | 5.58 | \$89.82 |
| Three Square Bulrush | 0.60 | 4.13 | \$103.05 |

| | | | |
|------------------------|-------|-------|-----------------|
| Cordgrass, Prairie | 0.70 | 2.94 | \$56.00 |
| Nebraska Sedge | 0.60 | 12.57 | \$99.90 |
| Woolly Sedge | 0.20 | 1.48 | \$30.30 |
| Totals Seed Mix | 10.00 | 84.33 | \$764.92 |

Application

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

MULCHING and MISCELLANEOUS**Materials**

| Description | Units / Acre | Unit | Cost / Unit | Cost /Acre |
|---|-----------------|------|-------------|-----------------|
| Hay, delivered {MEANS 31 25 14.16 1200} | 10.00 | BALE | \$12.28 | \$122.80 |
| Herbicide - 2,4D @ 1.0 pt/ac | 2.00 | ACRE | \$2.98 | \$5.96 |
| Total Mulch Materials Cost/Acre | | | | \$128.76 |

Application

| Description | Cost /Acre |
|---|-----------------|
| Crimping, with tractor {DMG survey data} | \$71.57 |
| Weed spray, hand, aquatic area, annuals [DMG] | \$199.47 |
| Weed spray, hand, aquatic area, nox. [DMG] | \$183.16 |
| Total Mulch Application Cost/Acre | \$454.20 |

NURSERY STOCK PLANTING

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

JOB TIME AND COST

No. of Acres: 0.47 Cost /Acre: \$1,966.78
 Estimated Failure Rate: 25% Cost /Acre*: \$1,579.88
 *Selected Replanting Work Items: SEEDING,MULCHING

Initial Job Cost: **\$924.39**
 Reseeding Job Cost: **\$185.64**
 Total Job Cost: **\$1,110**
 Job Hours: **20.00**

BULLDOZER WORKTask description: Slope C1 West SlopeSite: Dunn PitPermit Action: Bond EstimatePermit/Job#: M2021059**PROJECT IDENTIFICATION**Task #: 004State: ColoradoAbbreviation: NoneDate: 12/22/2021County: WeldFilename: M059-004User: PSHAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D6T XLHorsepower: 185Blade Type: Semi-UniversalAttachment: NAShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

| | | <u>Utilization %</u> |
|-----------------------|---------|----------------------|
| Ownership Cost/Hour: | \$64.38 | NA |
| Operating Cost/Hour: | \$64.62 | 100 |
| Ripper own. | | |
| Cost/Hour: | \$0.00 | NA |
| Ripper op. Cost/Hour: | \$0.00 | 0 |
| Operator Cost/Hour: | \$40.04 | NA |

Total unit Cost/Hour: \$169.04Total Fleet Cost/Hour: **\$169.04****MATERIAL QUANTITIES**Initial Volume: 1,564Swell factor: 1.000Loose volume: **1,564 LCY**Source of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 50 feetUnadjusted hourly production: 444.6 LCY/hrMaterials consistency description: Partly consolidated stockpile 1.1Average push gradient: -30 %Average site altitude: 4,745 feetMaterial weight: 1,600 lbs/LCYWeight description: Top Soil**Job Condition Correction Factor**Operator Skill: 0.750Source
(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: | 0.600 | (FND-SF) |
| Push gradient: | 1.601 | (CAT HB) |
| Altitude: | 1.000 | (CAT HB) |
| Material Weight: | 1.438 | (CAT HB) |
| Blade type: | 1.000 | (PAT) |

Net correction: 0.9459

Adjusted unit production: 420.55 LCY/hr

Adjusted fleet production: **420.55** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.402/LCY

Total job time: **3.72** Hours

Total job cost: **\$629**

BULLDOZER RIPPING WORK

Task description: Rip Access Road

Site: Dunn Pit Permit Action: Bond Estimate Permit/Job#: M2021059

PROJECT IDENTIFICATION

Task #: 005 State: Colorado Abbreviation: None
Date: 12/22/2021 County: Weld Filename: M059-005
User: PSH

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D6T XL Horsepower: 185
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

| | | Utilization % |
|-----------------------------|------------------------|---------------|
| Ownership Cost/Hour: | <u>\$64.38</u> | <u>NA</u> |
| Operating Cost/Hour: | <u>\$64.62</u> | <u>100</u> |
| Ripper Ownership Cost/Hour: | <u>\$5.99</u> | <u>NA</u> |
| Ripper Operating Cost/Hour: | <u>\$4.30</u> | <u>100</u> |
| Operator Cost/Hour: | <u>\$40.04</u> | <u>NA</u> |
| Total Unit Cost/Hour: | <u>\$179.33</u> | |
| Total Fleet Cost/Hour: | <u>\$179.33</u> | |

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 0.44 acres Rip Depth (ft): 0.50 Volume: 355 BCY or CCY

Source of estimated quantity: Permit Application

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth: 1.64 feet/pass
Average Ripping Width: 6.58 feet/pass
Average Ripping Length: 200.00 feet/pass
Average Dozer Speed: 88.00 feet/minute
Average Maneuver Time: 0.25 minutes/pass
Production per unit area: 0.719 acres/hour

Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.719 Acres/hr
Site Altitude: 4,745 feet
Altitude Adj: 1.00 (CAT HB)
Job Efficiency: 0.83 (1 shift/day)
Net Correction: 0.83 multiplier

Adjusted Hourly Unit Production: 0.60 Acres/hr
Adjusted Hourly Fleet Production: **0.60** Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: **0.74** Hours

Unit cost: \$300.695 Per acre Total job cost: **\$132**

REVEGETATION WORKTask description: Revegetate Access RoadSite: Dunn PitPermit Action: Bond EstimatePermit/Job#: M2021059**PROJECT IDENTIFICATION**Task #: 006State: ColoradoAbbreviation: NoneDate: 12/22/2021County: WeldFilename: M059-006User: PSHAgency or organization name: DRMS**FERTILIZING****Materials**

| Description | Units / Acre | Unit | Cost / Unit | Cost /Acre |
|-------------|-----------------|------|---|---------------|
| | | | \$ | \$ |
| | | | Total Fertilizer Materials Cost/Acre | \$0.00 |

Application

| Description | Cost /Acre |
|---|---------------|
| | \$ |
| Total Fertilizer Application Cost/Acre | \$0.00 |

TILLING

| Description | Cost /Acre |
|--|-----------------|
| Chisel plowing {DMG} | \$96.50 |
| Weed control spraying (MEANS 31 31 16.13 3100) | \$290.40 |
| Total Tilling Cost/Acre | \$386.90 |

SEEDING

| Seed Mix | Rate – PLS LBS / Acre | Seeds per SQ. FT | Cost /Acre |
|-----------------------------|--------------------------------|------------------------|-----------------|
| Blue Grama - Hachita | 0.75 | 12.24 | \$11.98 |
| Alkali Sacaton | 1.00 | 39.03 | \$28.48 |
| Alkaligrass, Fult's | 0.50 | 13.77 | \$1.81 |
| Canada Wildrye | 3.00 | 7.92 | \$32.52 |
| Bottlebrush Squirreltail | 2.25 | 9.92 | \$36.51 |
| Western Wheatgrass - Arriba | 10.00 | 25.25 | \$65.00 |
| Saltgrass, Inland | 0.50 | 6.93 | \$21.40 |
| | | 115.06 | \$197.70 |

| | | | |
|------------------------|-------|--|--|
| Totals Seed Mix | 18.00 | | |
|------------------------|-------|--|--|

Application

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

MULCHING and MISCELLANEOUS**Materials**

| Description | Units / Acre | Unit | Cost / Unit | Cost /Acre |
|---|-------------------------|-------------|--------------------|-------------------|
| Hay, delivered {MEANS 31 25 14.16 1200} | 10.00 | BALE | \$12.28 | \$122.80 |
| Herbicide - 2,4D @ 1.0 pt/ac | 2.00 | ACRE | \$2.98 | \$5.96 |
| Total Mulch Materials Cost/Acre | | | | \$128.76 |

Application

| Description | Cost /Acre |
|--|-------------------|
| Crimping, with tractor {DMG survey data} | \$71.57 |
| Weed spray, truck, non-aquatic area, nox. [DMG] | \$62.72 |
| Weed spray, truck, non-aquatic areas, ann. [DMG] | \$22.81 |
| Total Mulch Application Cost/Acre | \$157.10 |

NURSERY STOCK PLANTING

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

JOB TIME AND COST

| | | | |
|----------------------------------|------------------|--------------|------------|
| No. of Acres: | 0.44 | Cost /Acre: | \$1,102.46 |
| Estimated Failure Rate: | 25% | Cost /Acre*: | \$715.56 |
| *Selected Replanting Work Items: | SEEDING,MULCHING | | |
| Initial Job Cost: | \$485.08 | | |
| Reseeding Job Cost: | \$78.71 | | |
| Total Job Cost: | \$564 | | |
| Job Hours: | 20.00 | | |

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Mob / Demob**Site: **Dunn Pit**Permit Action: **Bond Estimate**Permit/Job#: **M2021059****PROJECT IDENTIFICATION**Task #: **007**State: **Colorado**Abbreviation: **None**Date: **12/22/2021**County: **Weld**Filename: **M059-007**User: **PSH**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:**

| Available Rig Capacities | 0-25 Tons | 26-50 Tons | 51+ Tons |
|---------------------------------|------------------|-------------------|-----------------|
| 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/ 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 D6T XL | 25.01 | \$70.37 | \$68.37 | 1 | \$138.74 | \$68.37 | \$250.00 |
| CAT 14M | 23.57 | \$85.80 | \$68.37 | 1 | \$154.17 | \$68.37 | \$250.00 |
| CAT 928Hz | 13.91 | \$30.09 | \$68.37 | 1 | \$98.46 | \$68.37 | \$250.00 |

Subtotals: **\$391.37** **\$205.11** **\$750.00****ROADABLE EQUIPMENT:**

| Machine Description | Total Cost/hr/ unit | Fleet Size | Haul Trip Cost/hr/ fleet | Return Trip Cost/hr/ fleet |
|--------------------------------------|------------------------|------------|-----------------------------|-------------------------------|
| Generic 7-8 cy, 4x4 | \$66.35 | 2 | \$132.70 | \$132.70 |
| Light Duty Pickup, 4x4, 1 T. Crew | \$121.54 | 1 | \$121.54 | \$121.54 |

Subtotals: **\$254.24** **\$254.24**

EQUIPMENT HAUL DISTANCE and Time

| | | |
|--|--------------------|-------|
| Nearest Major City or Town within project area region: | <u>GREELEY, CO</u> | |
| Total one-way travel distance: | <u>12.00</u> | miles |
| Average Travel Speed: | <u>35.00</u> | mph |

| | |
|-------------------------------------|-------------------|
| Total Non-Roadable Mob/Demob Cost * | <u>\$3,474.49</u> |
| ** two round trips with haul rig: | |
| Total Roadable Mob/Demob Cost ** | <u>\$174.34</u> |
| ** one round trip, no haul rig: | |

Transportation Cycle Time:

| | Non-Roadable Equipment | Roadable Equipment |
|-------------------------|------------------------|--------------------|
| Haul Time (Hours): | <u>0.34</u> | <u>0.34</u> |
| Return Time (Hours): | <u>0.34</u> | <u>0.34</u> |
| Loading Time (Hours): | <u>1.00</u> | <u>NA</u> |
| Unloading Time (Hours): | <u>1.00</u> | <u>NA</u> |
| Subtotals: | <u>2.69</u> | <u>0.69</u> |

JOB TIME AND COST

| | | |
|-----------------|-------------|-------|
| Total job time: | <u>5.37</u> | Hours |
|-----------------|-------------|-------|

| | |
|-----------------|----------------|
| Total job cost: | <u>\$3,649</u> |
|-----------------|----------------|

SITE MAINTENANCE

Task description: Bond to Backfill C1 until Augmentation Decree

Site: Dunn Pit Permit Action: Bond Estimate Permit/Job#: M2021059

PROJECT IDENTIFICATION

Task #: 008 State: Colorado Abbreviation: None
Date: 12/22/2021 County: Weld Filename: M059-008
User: PSH

Agency or organization name: DRMS

UNIT COSTS

| Maintenance Item | Hours per Year | Menu Selection | Quantity | Unit | Unit Cost | Total Cost |
|------------------|----------------|--------------------|------------|------|-----------|----------------|
| Backfill C1 | 160.00 | USER PROVIDED ITEM | 242,000.00 | 1 | \$10.00 | \$2,420,000.00 |

Job Hours: 160.00

Total Cost: \$2,420,000.00