



COLORADO
Division of Reclamation,
Mining and Safety
Department of Natural Resources

October 3, 2024

Jason Burkey
Oldcastle SW Group, Inc. dba United Companies of Mesa County
2273 River Road
Grand Junction, CO 81502-3609

Re: Hall Pit - File No. M-1983-142
Oldcastle SW Group, Inc. dba United Companies of Mesa County
Surety Increase (SI-3)
Surety Increase due to inflation

Dear Jason Burkey:

On October 3, 2024 the Division of Reclamation, Mining and Safety increased the current Financial Warranty for this permit to \$60,125.00, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of \$21,675.00.

Surety Increase due to inflation

Please see the September 24, 2024 inspection report for details regarding why this surety increase is required.

On October 3, 2024, the Division ordered amendment of the current Financial Warranty or submittal of a new Financial Warranty reflecting the increase, within 60 days.

Please make arrangements with Sara M. Stevenson-Benn at the Division's Denver office for submittal of the financial warranty. Any other questions regarding completion, execution and/or submittal of financial warranty forms should also be directed to Sara M. Stevenson-Benn by telephone at (303) 866-3567, or by email at Sara.stevenson-benn@state.co.us.

The Permittee for this site may be scheduled for a Formal Board Hearing for possible revocation of the permit if the amount of any increased Financial Warranty has not been provided by December 2, 2024.

| | |
|----------------------|-------------|
| Bond Held: | \$38,450.00 |
| Prior Liability: | \$38,450.00 |
| Change in Liability: | \$21,675.00 |



| | |
|-----------------------------|-------------|
| Revised Liability: | \$60,125.00 |
| Prior Permit Acreage: | 50.00 |
| Change in Permit Acreage: | 0.00 |
| Revised Permit Acreage: | 50.00 |
| Prior Affected Acreage: | 10.00 |
| Change in Affected Acreage: | 0.00 |
| Revised Affected Acreage: | 10.00 |

If you have any questions, please contact me by telephone at (970) 210-1272, or by email at Amy.yeldell@state.co.us.

Sincerely,



Amy C. Yeldell
Environmental Protection Specialist

COST SUMMARY WORK

Task description: Post inspection update 2024

Site: Hall Pit

Permit Action: SI-3

Permit/Job#: M1983142

PROJECT IDENTIFICATION

Task #: ACY

State: Colorado

Abbreviation: None

Date: 10/3/2024

County: Mesa

Filename: M142-ACY

User: ACY

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

| Task | Description | Form Used | Fleet Size | Task Hours | Cost |
|--------------------------|-------------------------|-----------|------------|--------------|-----------------|
| 01a | Remove scale and office | DEMOLISH | 1 | 8.00 | \$1,522 |
| 02a | Rip compacted pit floor | RIPPER | 1 | 11.88 | \$2,658 |
| 03a | Grade topsoil | DOZER | 1 | 52.21 | \$10,924 |
| 04a | Reveg Affected Areas | REVEGE | 1 | 16.00 | \$24,889 |
| 05a | Initial Mobilization | MOBILIZE | 1 | 2.44 | \$2,497 |
| 05b | Secondary Mobilization | MOBILIZE | 1 | 2.44 | \$1,452 |
| <u>SUBTOTALS:</u> | | | | 92.97 | \$43,942 |

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02
Performance bond: 1.05
Job superintendent: 46.49
Profit: 10.00

Total = \$888

Total = \$461

Total = \$3,685

Total = \$4,394

TOTAL O & P = \$9,428

CONTRACT AMOUNT (direct + O & P) = \$53,370

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

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

Total = \$500

Engineering work and/or contract/bid preparation: 4.25

Total = \$2,268

Reclamation management and/or administration: 5.00

\$2,669

CONTINGENCY: 3.00

Total = \$1,318

TOTAL INDIRECT COST = \$16,183

TOTAL BOND AMOUNT (direct + indirect) = \$60,125

DEMOLITION WORK

Task description: Remove scale and office

Site: Hall Pit

Permit Action: SI-3

Permit/Job#: M1983142

PROJECT IDENTIFICATION

Task #: 01A

State: Colorado

Abbreviation: None

Date: 10/3/2024

County: Mesa

Filename: M142-01a

User: ACY

Agency or organization name: DRMS

UNIT COSTS

Location adjustment: 90.70 %

| Structure or Item Description | Dimensions | Demolition Menu Selection | Quantity | Unit | Unit Cost | Total Cost |
|-------------------------------|----------------|---|----------|------|-----------|------------|
| Truck Scale | 30' x 10'3" | Loading and 5 mile haul, salvage allowed - Steel frame structures | 33.00 | CY | \$13.75 | \$453.75 |
| Scale approach ramps | 10' x 20' x 1' | Demo. and on-site disposal in existing pit, 12 in. thick - Max. 10,000 ft. haul | 200.00 | SF | \$2.31 | \$462.62 |
| Scale House | 8' X 15' X 8' | Loading and 2 mile haul, no salvage - Machine loading | 36.00 | CY | \$21.15 | \$761.40 |

Job Hours: 8.00

Subtotal
(unadjusted): \$1,677.77

Total Cost
(adjusted for location): \$1,521.74

BULLDOZER RIPPING WORK

Task description: Rip compacted pit floor

Site: Hall Pit Permit Action: SI-3 Permit/Job#: M1983142

PROJECT IDENTIFICATION

Task #: 02A State: Colorado Abbreviation: None
Date: 10/3/2024 County: Mesa Filename: M142-02a
User: ACY

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D7R DS XR Series II Horsepower: 240
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

| | | Utilization % |
|-----------------------------|-----------------|---------------|
| Ownership Cost/Hour: | <u>\$90.24</u> | <u>NA</u> |
| Operating Cost/Hour: | <u>\$78.95</u> | <u>100</u> |
| Ripper Ownership Cost/Hour: | <u>\$9.25</u> | <u>NA</u> |
| Ripper Operating Cost/Hour: | <u>\$5.20</u> | <u>100</u> |
| Operator Cost/Hour: | <u>\$40.04</u> | <u>NA</u> |
| Total Unit Cost/Hour: | <u>\$223.68</u> | |
| Total Fleet Cost/Hour: | <u>\$223.68</u> | |

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 7.00 acres Rip Depth (ft): 2.00 Volume: 22,587 BCY or CCY

Source of estimated quantity: 2024 Ann Rpt

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

| | | |
|---------------------------|---------------|---------------------|
| Average Ripping Depth: | <u>2.45</u> | <u>feet/pass</u> |
| Average Ripping Width: | <u>6.50</u> | <u>feet/pass</u> |
| Average Ripping Length: | <u>200.00</u> | <u>feet/pass</u> |
| Average Dozer Speed: | <u>88.00</u> | <u>feet/minute</u> |
| Average Maneuver Time: | <u>0.25</u> | <u>minutes/pass</u> |
| Production per unit area: | <u>0.710</u> | <u>acres/hour</u> |

Job Condition Correction Factors

| | | |
|------------------------------------|--------------|----------------------|
| Unadjusted Hourly Unit Production: | <u>0.710</u> | <u>Acres/hr</u> |
| Site Altitude: | <u>4,900</u> | <u>feet</u> |
| Altitude Adj: | <u>1.00</u> | <u>(CAT HB)</u> |
| Job Efficiency: | <u>0.83</u> | <u>(1 shift/day)</u> |
| Net Correction: | <u>0.83</u> | <u>multiplier</u> |

Adjusted Hourly Unit Production: 0.59 Acres/hr
Adjusted Hourly Fleet Production: 0.59 Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 11.88 Hours

Unit cost: \$379.676 Per acre Total job cost: \$2,658

BULLDOZER WORKTask description: Grade topsoilSite: Hall Pit Permit Action: SI-3 Permit/Job#: M1983142**PROJECT IDENTIFICATION**

Task #: 03A State: Colorado Abbreviation: None
 Date: 10/3/2024 County: Mesa Filename: M142-03a
 User: ACY

Agency or organization name: DRMS**HOURLY EQUIPMENT COST**

Basic Machine: Cat D7R DS XR Series II
 Horsepower: 240
 Blade Type: Semi-Universal
 Attachment: NA
 Shift Basis: 1 per day
 Data Source: (CRG)

Cost Breakdown:

| | | <u>Utilization %</u> |
|------------------------|----------------|----------------------|
| Ownership Cost/Hour: | <u>\$90.24</u> | <u>NA</u> |
| Operating Cost/Hour: | <u>\$78.95</u> | <u>100</u> |
| Ripper own. Cost/Hour: | <u>\$0.00</u> | <u>NA</u> |
| Ripper op. Cost/Hour: | <u>\$0.00</u> | <u>0</u> |
| Operator Cost/Hour: | <u>\$40.04</u> | <u>NA</u> |

Total unit Cost/Hour: \$209.23
 Total Fleet Cost/Hour: \$209.23

MATERIAL QUANTITIES

Initial Volume: 8,470
 Swell factor: 1.000
 Loose volume: 8,470 LCY

Source of estimated volume: Staff estimates, previous calculations
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 200 feet
 Unadjusted hourly production: 410.8 LCY/hr

Materials consistency description: Consolidated stockpile 1.0

Average push gradient: 0 %
 Average site altitude: 4,900 feet

Material weight: 2,900 lbs/LCYWeight description: Sand and gravel - Dry

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

| | | |
|------------------|-------|---------------|
| Job efficiency: | 0.830 | (1 SHIFT/DAY) |
| Spoil pile: | 0.800 | (FND-RF) |
| Push gradient: | 1.000 | (CAT HB) |
| Altitude: | 1.000 | (CAT HB) |
| Material Weight: | 0.793 | (CAT HB) |
| Blade type: | 1.000 | (PAT) |

Net correction: 0.3949

Adjusted unit production: 162.22 LCY/hr

Adjusted fleet production: **162.22** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$1.290/LCY

Total job time: **52.21** Hours

Total job cost: **\$10,924**

REVEGETATION WORKTask description: Reveg Affected AreasSite: Hall PitPermit Action: SI-3Permit/Job#: M1983142**PROJECT IDENTIFICATION**Task #: 04AState: ColoradoAbbreviation: NoneDate: 10/3/2024County: MesaFilename: M142-04aUser: ACYAgency 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 |
|--|-----------------|
| Disc harrowing, 6" deep (MEANS 32 91 13.23 6100) | \$117.61 |
| Weed control spraying (MEANS 31 31 16.13 3100) | \$338.80 |
| Total Tilling Cost/Acre | \$456.41 |

SEEDING

| Seed Mix | Rate – PLS LBS / Acre | Seeds per SQ. FT | Cost /Acre |
|-----------------------------|--------------------------------|------------------------|-----------------|
| Foxtail Barley | 2.00 | 6.89 | \$502.89 |
| Galleta | 2.20 | 8.03 | \$121.96 |
| Slender Wheatgrass - Native | 2.20 | 8.03 | \$15.54 |
| Tall Fescue - KY 31 | 1.50 | 7.82 | \$3.68 |
| Saltbush, Shadscale | 1.00 | 1.49 | \$18.09 |
| Saltgrass, Inland | 0.67 | 9.29 | \$33.39 |
| Totals Seed Mix | 9.57 | 41.54 | \$695.55 |

Application

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

MULCHING and MISCELLANEOUS**Materials**

| Description | Units / Acre | Unit | Cost / Unit | Cost /Acre |
|---|-----------------|------|-------------|-----------------|
| Straw, delivered {MEANS 31 25 14.16 1200} | 1.50 | TON | \$492.78 | \$739.17 |
| Total Mulch Materials Cost/Acre | | | | \$739.17 |

Application

| Description | Cost /Acre |
|--|-----------------|
| Crimping, with tractor {DMG survey data} | \$85.37 |
| Power mulcher (MEANS 32 91 13.16 0350) | \$157.25 |
| Total Mulch Application Cost/Acre | \$242.63 |

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: 7 Cost /Acre: \$2,370.40
 Estimated Failure Rate: 50% Cost /Acre*: \$2,370.40
 *Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: **\$16,592.80**
 Reseeding Job Cost: **\$8,296.40**
 Total Job Cost: **\$24,889**
 Job Hours: **16.00**

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Initial Mobilization**Site: **Hall Pit**Permit Action: **SI-3**Permit/Job#: **M1983142****PROJECT IDENTIFICATION**Task #: **05A**State: **Colorado**Abbreviation: **None**Date: **10/3/2024**County: **Mesa**Filename: **M142-05a**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:**

| Available Rig Capacities | 0-25 Tons | 26-50 Tons | 51+ Tons |
|---------------------------------|------------------|-------------------|-----------------|
| 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/ 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 D7R DS XR Series II | 35.93 | \$99.49 | \$122.78 | 1 | \$222.27 | \$122.78 | \$250.00 |
| Drill/Broadcast Seeder with Tractor | 25.00 | \$41.02 | \$59.44 | 1 | \$100.46 | \$59.44 | \$250.00 |
| Power Mulcher (Bowie LD-90) | 6.00 | \$27.21 | \$59.44 | 1 | \$86.65 | \$59.44 | \$250.00 |

Subtotals: **\$409.38** **\$241.66** **\$750.00****ROADABLE EQUIPMENT:**

| Machine Description | Total Cost/hr/ unit | Fleet Size | Haul Trip Cost/hr/ fleet | Return Trip Cost/hr/ fleet |
|--------------------------------|------------------------|------------|-----------------------------|-------------------------------|
| Flatbed Truck, 6x4, 45K GVW | \$110.00 | 1 | \$110.00 | \$110.00 |
| Light Duty Pickup, 4x4, 3/4 T. | \$42.00 | 1 | \$42.00 | \$42.00 |

Subtotals: **\$152.00** **\$152.00**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: GRAND JUNCTION
 Total one-way travel distance: 5.00 miles
 Average Travel Speed: 45.00 mph

Total Non-Roadable Mob/Demob Cost * \$2,463.44
 ** two round trips with haul rig:
 Total Roadable Mob/Demob Cost ** \$33.78
 ** one round trip, no haul rig:

Transportation Cycle Time:

| | Non-Roadable Equipment | Roadable Equipment |
|-------------------------|------------------------|--------------------|
| Haul Time (Hours): | 0.11 | 0.11 |
| Return Time (Hours): | 0.11 | 0.11 |
| Loading Time (Hours): | 0.50 | NA |
| Unloading Time (Hours): | 0.50 | NA |
| Subtotals: | 1.22 | 0.22 |

JOB TIME AND COST

Total job time: 2.44 Hours

Total job cost: \$2,497

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Secondary Mobilization**Site: **Hall Pit**Permit Action: **SI-3**Permit/Job#: **M1983142****PROJECT IDENTIFICATION**Task #: **05B**State: **Colorado**Abbreviation: **None**Date: **10/3/2024**County: **Mesa**Filename: **M142-05b**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:**

| Available Rig Capacities | 0-25 Tons | 26-50 Tons | 51+ Tons |
|---------------------------------|------------------|-------------------|-----------------|
| 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/ 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 |
|---|---------------------------|-----------------------------|--------------------------|---------------|--------------------------------|-------------------------------|---------------------------|
| Drill/Broadcast Seeder with Tractor | 25.00 | \$41.02 | \$59.44 | 1 | \$100.46 | \$59.44 | \$250.00 |
| Power Mulcher (Bowie LD-90) | 6.00 | \$27.21 | \$59.44 | 1 | \$86.65 | \$59.44 | \$250.00 |

Subtotals: **\$187.11** **\$118.88** **\$500.00****ROADABLE EQUIPMENT:**

| Machine Description | Total Cost/hr/ unit | Fleet Size | Haul Trip Cost/hr/ fleet | Return Trip Cost/hr/ fleet |
|--------------------------------|------------------------|------------|-----------------------------|-------------------------------|
| Light Duty Pickup, 4x4, 3/4 T. | \$42.00 | 1 | \$42.00 | \$42.00 |

Subtotals: **\$42.00** **\$42.00**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: GRAND JUNCTION
 Total one-way travel distance: 5.00 miles
 Average Travel Speed: 45.00 mph

Total Non-Roadable Mob/Demob Cost * \$1,442.22
 ** two round trips with haul rig:
 Total Roadable Mob/Demob Cost ** \$9.33
 ** one round trip, no haul rig:

Transportation Cycle Time:

| | Non-Roadable Equipment | Roadable Equipment |
|-------------------------|------------------------|--------------------|
| Haul Time (Hours): | 0.11 | 0.11 |
| Return Time (Hours): | 0.11 | 0.11 |
| Loading Time (Hours): | 0.50 | NA |
| Unloading Time (Hours): | 0.50 | NA |
| Subtotals: | 1.22 | 0.22 |

JOB TIME AND COST

Total job time: 2.44 Hours

Total job cost: \$1,452