



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

November 27, 2023

Julie Mikulas
Martin Marietta Materials, Inc.
1800 N. Taft Hill Road
Fort Collins, CO 80521

Re: Greeley 35th Ave Pit - File No. M-1977-036
Martin Marietta Materials, Inc.
Surety Increase (SI-3)
Bond increase to \$8,409,301.00

Dear Julie Mikulas:

On November 27, 2023 the Division of Reclamation, Mining and Safety increased the current Financial Warranty for this permit to \$8,409,301.00, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of \$645,301.00.

The Division ordered amendment of the current Financial Warranty, or submittal of a new Financial Warranty reflecting the increase, within 60 days from the date of this letter (November 27, 2023).

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 (8148), 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 after January 26, 2024, if the amount of any increased Financial Warranty has not been provided.

| | |
|---------------------------|----------------|
| Bond Held: | \$7,764,000.00 |
| Prior Liability: | \$7,764,000.00 |
| Change in Liability: | \$645,301.00 |
| Revised Liability: | \$8,409,301.00 |
| Prior Permit Acreage: | 381.38 |
| Change in Permit Acreage: | 0.00 |



| | |
|-----------------------------|--------|
| Revised Permit Acreage: | 381.38 |
| Prior Affected Acreage: | 345.50 |
| Change in Affected Acreage: | 0.00 |
| Revised Affected Acreage: | 345.50 |

If you have any questions, please contact me by telephone at (303) 866-3567 x 8176, or by email at Hunter.ridley@state.co.us.

Sincerely,



Hunter C. Ridley
Environmental Protection Specialist

COST SUMMARY WORK

Task description: Updated post inspection in 2023

Site: Greeley 35th Ave Pit

Permit Action: Insp 2023

Permit/Job#: M1977036

PROJECT IDENTIFICATION

Task #: HCR

State: Colorado

Abbreviation: None

Date: 10/19/2023

County: Weld

Filename: M036-HCR

User: HR1

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

| Task | Description | Form Used | Fleet Size | Task Hours | Cost |
|--------------------------|--|---------------------|------------|----------------|--------------------|
| 201 | Final Slope Grading - Non West Cell - 153 Acres | DOZER | 1 | 1,534.08 | \$679,861 |
| 202 | Import Topsoil | SITEMAINT ENANCE | 1 | 0.00 | \$511,200 |
| 203 | Topsoil Placement - Non West Cell - 153 Acres | LOADER | 2 | 1,555.74 | \$356,982 |
| 204 | Topsoil Final Grading - Non West Cell - 153 Acres | DOZER | 1 | 109.49 | \$48,117 |
| 205 | Conveyor Removal - Non West Cell | DEMOLISH | 1 | 80.00 | \$71,669 |
| 206 | Revegetation - 90.5 Acres - Upland | REVEGE | 1 | 40.00 | \$118,814 |
| 207 | Revegetate - Transition Zone - 60.5 Acres | REVEGE | 1 | 20.00 | \$85,306 |
| 208 | Mob/Demob | MOBILIZE | 1 | 3.14 | \$3,361 |
| 209 | West Cell Slurry Wall Construction | SITEMAINT ENANCE | 1 | 0.00 | \$2,591,735 |
| 210 | Install Slurry Wall - Non West Cell for SEO compliance | SITEMAINT ENANCE | 1 | 0.00 | \$2,244,318 |
| <u>SUBTOTALS:</u> | | | | 3342.45 | \$6,711,363 |

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$135,570

Performance bond: 1.05

Total = \$70,469

Job superintendent: 1,671.22

Total = \$108,763

Profit: 10.00

Total = \$671,136

TOTAL O & P = \$985,938

CONTRACT AMOUNT (direct + O & P) = \$7,697,301

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$0

Total = \$0

Engineering work and/or contract/bid preparation: 4.25

Total = \$327,135

Reclamation management and/or administration: 5.00

\$384,865

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$1,697,938

TOTAL BOND AMOUNT (direct + indirect) = \$8,409,301

BULLDOZER WORKTask description: **Final Slope Grading - Non West Cell - 153 Acres**Site: **Greeley 35th Ave Pit**Permit Action: **Insp 2023**Permit/Job#: **M1977036****PROJECT IDENTIFICATION**

| | | | | | |
|---------|------------|---------|----------|---------------|------|
| Task #: | 201 | State: | Colorado | Abbreviation: | None |
| Date: | 11/6/2023 | County: | Weld | Filename: | 201 |
| | 2:03:22 PM | | | | |
| User: | HR1 | | | | |

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

| | |
|----------------|----------------|
| Basic Machine: | Cat D8T - 8SU |
| Horsepower: | 310 |
| Blade Type: | Semi-Universal |
| Attachment: | 3-shank ripper |
| Shift Basis: | 1 per day |
| Data Source: | (CRG) |

Cost Breakdown:

| | | <u>Utilization %</u> |
|------------------------|----------|----------------------|
| Ownership Cost/Hour: | \$241.38 | NA |
| Operating Cost/Hour: | \$143.92 | 100 |
| Ripper own. Cost/Hour: | \$14.11 | NA |
| Ripper op. Cost/Hour: | \$3.73 | 50 |
| Operator Cost/Hour: | \$40.04 | NA |

| | |
|------------------------|-----------------|
| Total unit Cost/Hour: | \$443.17 |
| Total Fleet Cost/Hour: | \$443.17 |

MATERIAL QUANTITIES

| | |
|-----------------|--------------------|
| Initial Volume: | 550,000 |
| Swell factor: | 1.000 |
| Loose volume: | 550,000 LCY |

| | |
|-----------------------------------|-------------------|
| Source of estimated volume: | AM-02 Application |
| Source of estimated swell factor: | Cat Handbook |

HOURLY PRODUCTION

| | |
|-------------------------------|--------------|
| Average push distance: | 100 feet |
| Unadjusted hourly production: | 852.6 LCY/hr |

Materials consistency description: **Consolidated stockpile 1.0**

| | |
|------------------------|------------|
| Average push gradient: | -5 % |
| Average site altitude: | 4,670 feet |

Material weight: **4,050 lbs/LCY**Weight description: **Sand and clay - Compacted****Job Condition Correction Factor**

| | | <u>Source</u> |
|-----------------------|-------|---------------|
| Operator Skill: | 1.000 | (EXCL.) |
| Material consistency: | 1.000 | (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: | 1.115 | (CAT HB) |
| Altitude: | 1.000 | (CAT HB) |
| Material Weight: | 0.568 | (CAT HB) |
| Blade type: | 1.000 | (PAT) |

Net correction: 0.4205

Adjusted unit production: 358.52 LCY/hr

Adjusted fleet production: **358.52** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$1.236/LCY

Total job time: **1,534.08** Hours

Total job cost: **\$679,861**

SITE MAINTENANCE

Task description: Import Topsoil

Site: Greeley 35th Ave Pit

Permit Action: Insp 2023

Permit/Job#: M1977036

PROJECT IDENTIFICATION

Task #: 202

State: Colorado

Abbreviation: None

Date: 11/6/2023 2:09:50

County: Weld

Filename: 202

PM

User: HR1

Agency or organization name: DRMS

UNIT COSTS

| Maintenance Item | Hours per Year | Menu Selection | Quantity | Unit | Unit Cost | Total Cost |
|--------------------------|----------------|--------------------|-----------|------|-----------|--------------|
| Import 51,120 CY Topsoil | 40.00 | USER PROVIDED ITEM | 51,120.00 | 0 | \$10.00 | \$511,200.00 |

Job Hours: 0.00

Total Cost: \$511,200.00

WHEEL LOADER – LOAD AND CARRY WORKTask description: Topsoil Placement - Non West Cell - 153 AcresSite: Greeley 35th Ave PitPermit Action: Insp 2023Permit/Job#: M1977036**PROJECT IDENTIFICATION**

Task #: 203 State: Colorado Abbreviation: None
 Date: 11/6/2023 County: Weld Filename: 203
2:06:25 PM
 User: HR1

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

Basic Machine: CAT 938H
 Attachment 1: ROPS Cab

Horsepower: 172
 Shift Basis: 1 per day
 Data Source: (CRG)

Cost Breakdown:

| | | Utilization % |
|------------------------|----------|---------------|
| Ownership Cost/Hour: | \$43.90 | NA |
| Operating Cost/Hour: | \$34.86 | 100 |
| Operator Cost/Hour: | \$35.97 | NA |
| Total Unit Cost/Hour: | \$114.73 | |
| Total Fleet Cost/Hour: | \$229.46 | |

MATERIAL QUANTITIES

Initial volume: 185,130 CCY Swell factor: 1.000
 Loose volume: 185,130 LCY

Source of estimated volume: AM-02 ApplicationSource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Loader Cycle Time: Unadjusted Basic Cycle Time (load, dump, maneuver): 0.483 minutes

| Cycle Time Factors | | Factor (min.) | Source |
|----------------------------|--|---------------|----------|
| Material: | Mixed material 0.02 | 0.020 | (Cat HB) |
| Stockpile: | Dumped by truck 0.02 | 0.020 | (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: | No adjustment - factor not applicable 0.00 | 0.000 | (Cat HB) |
| Net Cycle Time Adjustment: | | -0.040 | minutes |
| Adjusted Basic Cycle Time: | | 0.443 | minutes |

Rolling Resistance – Road ConditionsHaul: Firm, smooth, rolling, dirt/lt. surfaced, watered, maintained 3.0Return: Firm, smooth, rolling, dirt/lt. surfaced, watered, maintained 3.0**Haul and Return Time**

| | Length (feet) | Grade Res. (%) | Rolling Res. (%) | Total Res. (%) | Travel Time (minutes) | Source |
|---------------|------------------|-------------------|---------------------|-------------------|--------------------------|----------|
| Haul Route: | 1800 | 0.00 | 3.00 | 3.00 | 1.4131 | (Cat HB) |
| Return Route: | 1800 | 0.00 | 3.00 | 3.00 | 1.3271 | (Cat HB) |

Total Travel Time: 2.7402 minutes
 Total Cycle Time: 3.1827 minutes

Load Bucket Capacity

Rated Capacity: 3.90 LCY (heaped)
 Bucket Fill Factor: 0.975 Loose material - mixed moist aggregates (95-100%) 0.975
 Adjusted Capacity: 3.80 LCY

Job Condition Correction Factors

Site Altitude: 4670 feet

| | | |
|-----------------|-------------|---------------|
| | | Source |
| Altitude Adj: | <u>1.00</u> | (CAT HB) |
| Job Efficiency: | <u>0.83</u> | (1 shift/day) |
| Net Correction: | <u>0.83</u> | multiplier |

Unadjusted Hourly Unit Production: 71.69 LCY/Hour
 Adjusted Hourly Unit Production: 59.50 LCY/Hour
 Adjusted Hourly Fleet Production: 119.00 LCY/Hour

JOB TIME AND COST

Fleet size: 2 Loader(s) Total job time: 1,555.75 Hours
 Unit cost: \$1.928 /LCY Total job cost: \$356,982

BULLDOZER WORKTask description: Topsoil Final Grading - Non West Cell - 153 AcresSite: Greeley 35th Ave PitPermit Action: Insp 2023Permit/Job#: M1977036**PROJECT IDENTIFICATION**

| | | | | | |
|---------|-------------------|---------|-----------------|---------------|-------------|
| Task #: | <u>204</u> | State: | <u>Colorado</u> | Abbreviation: | <u>None</u> |
| Date: | <u>11/6/2023</u> | County: | <u>Weld</u> | Filename: | <u>204</u> |
| | <u>2:04:36 PM</u> | | | | |
| User: | <u>HR1</u> | | | | |

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

| | |
|----------------|-----------------------|
| Basic Machine: | <u>Cat D8T - 8SU</u> |
| Horsepower: | <u>310</u> |
| Blade Type: | <u>Semi-Universal</u> |
| Attachment: | <u>3-shank ripper</u> |
| Shift Basis: | <u>1 per day</u> |
| Data Source: | <u>(CRG)</u> |

Cost Breakdown:

| | | <u>Utilization %</u> |
|------------------------|-----------------|----------------------|
| Ownership Cost/Hour: | <u>\$241.38</u> | <u>NA</u> |
| Operating Cost/Hour: | <u>\$143.92</u> | <u>100</u> |
| Ripper own. Cost/Hour: | <u>\$14.11</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: | <u>\$439.45</u> |
| Total Fleet Cost/Hour: | <u>\$439.45</u> |

MATERIAL QUANTITIES

| | |
|-----------------|---------------------------|
| Initial Volume: | <u>185,130</u> |
| Swell factor: | <u>1.000</u> |
| Loose volume: | <u>185,130 LCY</u> |

| | |
|-----------------------------------|---|
| Source of estimated volume: | <u>Division of Reclamation, Mining & Safety</u> |
| Source of estimated swell factor: | <u>Cat Handbook</u> |

HOURLY PRODUCTION

| | |
|-------------------------------|-----------------------|
| Average push distance: | <u>55 feet</u> |
| Unadjusted hourly production: | <u>1,323.4 LCY/hr</u> |

Materials consistency description: Loose stockpile 1.2

| | |
|------------------------|-------------------|
| Average push gradient: | <u>-5 %</u> |
| Average site altitude: | <u>4,670 feet</u> |

Material weight: 1,600 lbs/LCYWeight description: Top Soil**Job Condition Correction Factor**

| | | <u>Source</u> |
|-----------------------|--------------|-----------------|
| Operator Skill: | <u>1.000</u> | <u>(EXCL.)</u> |
| Material consistency: | <u>1.200</u> | <u>(CAT HB)</u> |
| Dozing method: | <u>1.000</u> | <u>(GEN.)</u> |

| | | |
|------------------|-------|---------------|
| Visibility: | 1.000 | (AVG.) |
| Job efficiency: | 0.830 | (1 SHIFT/DAY) |
| Spoil pile: | 0.800 | (FND-RF) |
| Push gradient: | 1.115 | (CAT HB) |
| Altitude: | 1.000 | (CAT HB) |
| Material Weight: | 1.438 | (CAT HB) |
| Blade type: | 1.000 | (PAT) |

Net correction: 1.2776

Adjusted unit production: 1,690.78 LCY/hr

Adjusted fleet production: **1690.78** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
 Unit cost: \$0.260/LCY

Total job time: **109.49** Hours
 Total job cost: **\$48,117**

DEMOLITION WORK

Task description: Conveyor Removal - Non West Cell

Site: Greeley 35th Ave Pit

Permit Action: Insp 2023

Permit/Job#: M1977036

PROJECT IDENTIFICATION

Task #: 205

State: Colorado

Abbreviation: None

Date: 11/6/2023 2:02:46

County: Weld

Filename: 205

PM

User: HR1

Agency or organization name: DRMS

UNIT COSTS

Location adjustment: 94.70 %

| Structure or Item Description | Dimensions | Demolition Menu Selection | Quantity | Unit | Unit Cost | Total Cost |
|-------------------------------|------------|---|----------|------|-----------|-------------|
| Conveyor Removal | 4,300 feet | OBSOLETE-Conveyor, overland, including supports - 5 ft. W x 6 ft. H housing | 4,300.00 | LF | \$17.60 | \$75,680.00 |

Job Hours: 80.00

Subtotal
(unadjusted): \$75,680.00

Total Cost
(adjusted for location): \$71,668.96

REVEGETATION WORKTask description: **Revegetation - 90.5 Acres - Upland**Site: **Greeley 35th Ave Pit**Permit Action: **Insp 2023**Permit/Job#: **M1977036****PROJECT IDENTIFICATION**Task #: **206**State: **Colorado**Abbreviation: **None**Date: **11/6/2023**County: **Weld**Filename: **206****2:08:07 PM**User: **HR1**Agency or organization name: **DRMS****FERTILIZING****Materials**

| Description | Units / Acre | Unit | Cost / Unit | Cost /Acre |
|---------------------------|-------------------------|-------------|---|-------------------|
| 0-20-20, 4-8-12, 10-10-10 | 40.00 | pound | \$0.62 | \$24.80 |
| | | | Total Fertilizer Materials Cost/Acre | \$24.80 |

Application

| Description | Cost /Acre |
|---|-------------------|
| Tractor towed spreader (MEANS 32 01 90.13 0120) | \$41.82 |
| Total Fertilizer Application Cost/Acre | \$41.82 |

TILLING

| Description | Cost /Acre |
|--|-------------------|
| Disc harrowing, 6" deep (MEANS 32 91 13.23 6100) | \$112.82 |
| Weed control spraying (MEANS 31 31 16.13 3100) | \$338.80 |
| Total Tilling Cost/Acre | \$451.62 |

SEEDING

| Seed Mix | Rate – PLS LBS / Acre | Seeds per SQ. FT | Cost /Acre |
|------------------------------|--|---------------------------------|-------------------|
| Alkali Sacaton | 0.10 | 3.90 | \$2.85 |
| Switchgrass - Pathfinder | 0.67 | 5.98 | \$8.54 |
| Sand Dropseed | 0.48 | 57.30 | \$4.68 |
| Mountain Brome - Bromar | 1.74 | 2.80 | \$6.61 |
| Sideoats Grama - Butte | 1.80 | 5.91 | \$16.20 |
| Western Wheatgrass - Arriba | 1.74 | 4.39 | \$11.31 |
| Sweetvetch, Utah or Northern | 1.02 | 0.46 | \$76.50 |
| Needle and Thread | 1.29 | 3.41 | \$53.99 |
| Rose, Meadow | 0.87 | 0.74 | \$21.75 |

| | | | |
|----------------------------------|-------|-------|-----------------|
| Globemallow, Scarlet (or copper) | 0.25 | 2.83 | \$33.88 |
| Penstemon, Rocky Mountain | 0.46 | 7.21 | \$13.57 |
| Totals Seed Mix | 10.42 | 94.93 | \$249.87 |

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 |
|--|-----------------|------|-------------|---------------|
| | | | \$ | \$ |
| Total Mulch Materials Cost/Acre | | | | \$0.00 |

Application

| Description | Cost /Acre |
|---|----------------|
| Weed spray, truck, non-aquatic area, nox. [DMG] | \$62.72 |
| Total Mulch Application Cost/Acre | \$62.72 |

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: | 90.5 | Cost /Acre: | \$1,062.83 |
| Estimated Failure Rate: | 25% | Cost /Acre*: | \$1,000.11 |
| *Selected Replanting Work Items: | FERTILIZING,TILLING,SEEDING | | |
| Initial Job Cost: | \$96,186.12 | | |
| Reseeding Job Cost: | \$22,627.49 | | |
| Total Job Cost: | \$118,814 | | |
| Job Hours: | 40.00 | | |

REVEGETATION WORKTask description: Revegetate - Transition Zone - 60.5 AcresSite: Greeley 35th Ave PitPermit Action: Insp 2023Permit/Job#: M1977036**PROJECT IDENTIFICATION**Task #: 207State: ColoradoAbbreviation: NoneDate: 11/6/2023County: WeldFilename: 2072:08:49 PMUser: HR1Agency 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 |
|--|-----------------|
| Weed control spraying (MEANS 31 31 16.13 3100) | \$338.80 |
| Total Tilling Cost/Acre | \$338.80 |

SEEDING

| Seed Mix | Rate – PLS LBS / Acre | Seeds per SQ. FT | Cost /Acre |
|----------------------------------|--------------------------------|------------------------|------------|
| Switchgrass - Pathfinder | 0.78 | 6.97 | \$9.95 |
| Sand Dropseed | 0.03 | 3.58 | \$0.29 |
| Canada Wildrye | 2.47 | 6.52 | \$26.77 |
| Sideoats Grama - Butte | 1.24 | 4.07 | \$11.16 |
| Great Basin Wildrye - Magnar | 1.34 | 5.44 | \$15.48 |
| Western Wheatgrass - Arriba | 1.45 | 3.66 | \$9.43 |
| Vetch, American | 5.81 | 2.63 | \$580.56 |
| Globemallow, Scarlet (or copper) | 0.05 | 0.59 | \$7.05 |
| | | | |

| | | | |
|------------------------|-------|-------|-----------------|
| Totals Seed Mix | 13.17 | 33.46 | \$660.68 |
|------------------------|-------|-------|-----------------|

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 |
|--|-------------------------|-------------|--------------------|-------------------|
| | | | \$ | \$ |
| Total Mulch Materials Cost/Acre | | | | \$0.00 |

Application

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

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: | <u>60.5</u> | Cost /Acre: | <u>\$1,231.48</u> |
| Estimated Failure Rate: | <u>20%</u> | Cost /Acre*: | <u>\$892.68</u> |
| *Selected Replanting Work Items: | <u>SEEDING</u> | | |

| | |
|---------------------|---------------------------|
| Initial Job Cost: | <u>\$74,504.54</u> |
| Reseeding Job Cost: | <u>\$10,801.43</u> |
| Total Job Cost: | <u>\$85,306</u> |
| Job Hours: | <u>20.00</u> |

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Mob/Demob**Site: **Greeley 35th Ave Pit**Permit Action: Insp 2023Permit/Job#: M1977036**PROJECT IDENTIFICATION**

Task #: 208 State: Colorado Abbreviation: None
 Date: 11/6/2023 County: Weld Filename: 208
2:07:09 PM
 User: HR1

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: | \$20.26 | \$36.04 | \$47.05 |
| Operating Cost/Hour: | \$39.51 | \$76.08 | \$82.85 |
| Operator Cost/Hour: | \$22.52 | \$22.52 | \$22.52 |
| Helper Cost/Hour: | \$0.00 | \$23.53 | \$23.53 |
| Total Unit Cost/Hour: | \$82.29 | \$158.17 | \$175.95 |

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 D8T - 8SU | 47.71 | \$241.38 | \$158.17 | 1 | \$399.55 | \$158.17 | \$500.00 |
| CAT 938H | 16.34 | \$43.90 | \$82.29 | 2 | \$252.38 | \$164.58 | \$250.00 |

Subtotals: **\$651.93** **\$322.75** **\$750.00****ROADABLE EQUIPMENT:**

| Machine Description | Total Cost/hr/ unit | Fleet Size | Haul Trip Cost/hr/ fleet | Return Trip Cost/hr/ fleet |
|---------------------|------------------------|------------|-----------------------------|-------------------------------|
|---------------------|------------------------|------------|-----------------------------|-------------------------------|

Subtotals: **\$0.00** **\$0.00**

EQUIPMENT HAUL DISTANCE and Time

| | | |
|--|----------------|-------|
| Nearest Major City or Town within project area region: | <u>GREELEY</u> | |
| Total one-way travel distance: | <u>10.00</u> | miles |
| Average Travel Speed: | <u>35.00</u> | mph |

| | |
|-------------------------------------|-------------------|
| Total Non-Roadable Mob/Demob Cost * | <u>\$3,360.82</u> |
| ** two round trips with haul rig: | |
| Total Roadable Mob/Demob Cost ** | <u>\$0.00</u> |
| ** one round trip, no haul rig: | |

Transportation Cycle Time:

| | Non-Roadable Equipment | Roadable Equipment |
|-------------------------|------------------------|--------------------|
| Haul Time (Hours): | <u>0.29</u> | <u>0.29</u> |
| Return Time (Hours): | <u>0.29</u> | <u>0.29</u> |
| Loading Time (Hours): | <u>0.50</u> | <u>NA</u> |
| Unloading Time (Hours): | <u>0.50</u> | <u>NA</u> |
| Subtotals: | <u>1.57</u> | <u>0.57</u> |

JOB TIME AND COST

| | | |
|-----------------|-------------|-------|
| Total job time: | <u>3.14</u> | Hours |
|-----------------|-------------|-------|

| | |
|-----------------|----------------|
| Total job cost: | <u>\$3,361</u> |
|-----------------|----------------|

SITE MAINTENANCE

Task description: West Cell Slurry Wall Construction

Site: Greeley 35th Ave Pit

Permit Action: Insp 2023

Permit/Job#: M1977036

PROJECT IDENTIFICATION

Task #: 209

State: Colorado

Abbreviation: None

Date: 11/6/2023 2:10:18

County: Weld

Filename: 209

PM

User: HR1

Agency or organization name: DRMS

UNIT COSTS

| Maintenance Item | Hours per Year | Menu Selection | Quantity | Unit | Unit Cost | Total Cost |
|---|----------------|--------------------|--------------|------|-----------|----------------|
| West Cell Slurry Wall Construction Cost | 40.00 | USER PROVIDED ITEM | 2,591,735.00 | 1 | \$1.00 | \$2,591,735.00 |

Job Hours: 0.00

Total Cost: \$2,591,735.00

SITE MAINTENANCE

Task description: Install Slurry Wall - Non West Cell for SEO compliance

Site: Greeley 35th Ave Pit

Permit Action: Insp 2023

Permit/Job#: M1977036

PROJECT IDENTIFICATION

Task #: 210

State: Colorado

Abbreviation: None

Date: 11/6/2023 2:10:44

County: Weld

Filename: 210

PM

User: HR1

Agency or organization name: DRMS

UNIT COSTS

| Maintenance Item | Hours per Year | Menu Selection | Quantity | Unit | Unit Cost | Total Cost |
|---|----------------|--------------------|------------|------|-----------|----------------|
| Install Slurry Wall at 4 remaining open water lakes | 1.00 | USER PROVIDED ITEM | 748,106.00 | 1 | \$3.00 | \$2,244,318.00 |

Job Hours: 0.00

Total Cost: \$2,244,318.00