

November 13, 2023

Merial Currier Currie Gravel Pit, Inc. P.O. Box 27059 Dever, CO 80227

RE: Currier Gravel Pit, Permit No. M-1980-203, Proposed Surety Increase SI-2

Dear Ms. Currier:

This reclamation cost update was in response to the site inspection conducted on October 25, 2023. 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 increased in 2011 with SI-1. Below is a table summarizing input values that have been updated since the SI-1 calculation. 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.

| Task | Form Used | Description |
|------|-----------|--|
| 01a | Dozer | Grade all highwalls to 3H: 1V = 6,898 LCY 20'H x 45'L @ 1H:1V backfill = 6,667 LCY 10'H x 500' @2H: 1V cut/fill = 231 Push misc. material at base up slope. Previously: D7 w 100% ripper, 4100 LCY, 70' Push, -10% |
| 01b | Dozer | Grade misc. stockpiles and general contour blending = 507 LCY 15' x 30' x 50' = 417 CY 8' x 10' x 60' = 90 CY |
| 02a | Ripper | No changes Decompact 5 acres of compacted areas (slopes only) w/D7 |





| 03a | Dozer | Spread 6" of topsoil over pit slopes only. No topsoil on level areas for livestock use. 5 ac @ 6" is 4,033 CY, 300 ft avg push Previously: D7 w 100% ripper, 2420 LCY, 70'push -10% |
|----------|-------|---|
| 04a | Reveg | Revegetate entire site 5 Ac w/ 25% failure Only reveg topsoiled areas. Add weed treatment Previously 7 ac |
| 05a | Mob | Initial Mobilization |
| 05b | Mob | Secondary Mobilization for seeding failure areas |
| Indirect | | Division standard ~28% |

Per policy I wanted to send this out for review prior to issuance. Please look it over and let me know if there are errors or concerns. If no response is received by **Friday, December 15, 2023** then I'll issue SI-2 the following Monday as is. SI-2 will result in a total required bond amount of <u>\$53,039</u>, which is an increase of **\$37,159.02** over the \$15,879.98 currently held.

Sincerely,

Amy Geldell

Amy Yeldell Environmental Protection Specialist

Ec: Travis Marshall, Senior EPS, Grand Junction DRMS <u>micurrier@gmail.com</u> <u>vandercpa@aol.com</u>

COST SUMMARY WORK

| Task description: | | 2023 post inspec | tion update | | | | |
|--------------------------|-------------------------|-------------------|------------------|------|----------------------------|---------------------|--|
| Site: Currier Gravel Pit | | Per | mit Action: | 2023 | Permit/Job | o#: <u>M1980203</u> | |
| User: | ACY 11/9/2023 ACY | State: County: | Colorado Mesa | | Abbreviation: Filename: | None M203-ACY | |

TASK LIST (DIRECT COSTS)

| Task | | Form | Fleet | Task | |
|------|------------------------------------|--------------|-------|--------|----------|
| | Description | Used | Size | Hours | Cost |
| 01a | Grade pit slopes to 3H:1V | DOZER | 1 | 53.02 | \$13,831 |
| 01b | Misc. grading and contour blending | DOZER | 1 | 1.49 | \$389 |
| 02a | Rip 5 acres of compacted area | RIPPER |] 1 | 8.76 | \$2,287 |
| 03a | Spread topsoil over slopes | DOZER |] 1 | 20.00 | \$4,935 |
| 04a | Revegetate 5 acres disturbance | REVEGE | 1 | 8.00 | \$9,793 |
| 05a | Initial Mobilization | MOBILIZE |] 1 | 7.00 | \$5,106 |
| 05b | Secondary Mobilization | MOBILIZE | 1 | 7.00 | \$2,620 |
| | | <u>SUBTO</u> | TALS: | 105.27 | \$38,961 |

INDIRECT COSTS

OVERHEAD AND PROFIT:

| Liability insurance: | 2.02 | Total = | \$787 |
|----------------------|-------|--|----------|
| Performance bond: | 1.05 | Total = | \$409 |
| Job superintendent: | 52.64 | Total = | \$3,425 |
| Profit: | 10.00 | Total = | \$3,896 |
| | | TOTAL O & P = | \$8,518 |
| | | CONTRACT AMOUNT (direct + $O \& P$) = | \$47,479 |

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

| Financial warranty processing (legal/related costs): | \$0 | Total = | \$0 |
|--|---------------------|-----------------------|---------------------------|
| Engineering work and/or contract/bid preparation: Reclamation management and/or administration: | $\frac{4.25}{5.00}$ | Total = | <u>\$2,018</u> \$2,374 |
| Reclamation management and/or administration. | 5.00 | | φ2,374 |
| CONTINGENCY: | 3.00 | Total = | \$1,169 |
| | | TOTAL INDIRECT COST = | \$14,078 |
| TOTAL BO | \$53,039 | | |

BULLDOZER WORK

| Task description: Grade pit slopes to 3H:1V | | | |
|--|--------------------------------|---------------|----------|
| Currier Gravel Pit Permit Action: | 2023 | Permit/Job#: | M1980203 |
| PROJECT IDENTIFICATION | | | |
| Task #:01AState:Colorado | | Abbreviation: | None |
| Date: 11/12/2023 County: Mesa | | Filename: | M203-01a |
| 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: <u>3-shank ripper</u> | _ | | |
| Shift Basis: <u>1 per day</u> | _ | | |
| Data Source: (CRG) | _ | | |
| Cost Breakdown: | | | |
| | Utilization % | | |
| Ownership Cost/Hour: \$114.76 | NA | | |
| Operating Cost/Hour: \$91.98 | 100 | | |
| Ripper own. Cost/Hour: \$9.06 | NA | | |
| Ripper op. Cost/Hour: \$5.02 | 100 | | |
| Operator Cost/Hour: \$40.04 | NA | | |
| MATERIAL QUANTITIES | | | |
| Initial Volume:6,898Swell factor:1.000Loose volume:6,898 LCY | | | |
| Source of estimated volume:Division of ReclamaticSource of estimated swell factor:Cat Handbook | on, Mining & Safety | | |
| HOURLY PRODUCTION | | | |
| | | | |
| Average push distance: 200 feet | | | |
| | | | |
| Average push distance: 200 feet | | | |
| Average push distance:200 feetUnadjusted hourly production:410.8 LCY/hr | | | |
| Average push distance: 200 feet Unadjusted hourly production: 410.8 LCY/hr Materials consistency description: Partly consolidated s Average push gradient: 15 % | | | |
| Average push distance: 200 feet Unadjusted hourly production: 410.8 LCY/hr Materials consistency description: Partly consolidated s Average push gradient: 15 % Average site altitude: 7,600 feet | tockpile 1.1 | | |
| Average push distance: 200 feet Unadjusted hourly production: 410.8 LCY/hr Materials consistency description: Partly consolidated s Average push gradient: 15 % Average site altitude: 7,600 feet Material weight: 2,650 lbs/LCY | tockpile 1.1 | | |
| Average push distance: 200 feet Unadjusted hourly production: 410.8 LCY/hr Materials consistency description: Partly consolidated s Average push gradient: 15 % Average site altitude: 7,600 feet Material weight: 2,650 lbs/LCY Weight description: Decomposed rock - 25% Rock, Job Condition Correction Factor 0.750 | | | |
| Average push distance: 200 feet Unadjusted hourly production: 410.8 LCY/hr Materials consistency description: Partly consolidated s Average push gradient: 15 % Average site altitude: 7,600 feet Material weight: 2,650 lbs/LCY Weight description: Decomposed rock - 25% Rock, Job Condition Correction Factor 0,750 Material consistency: 1.100 | tockpile 1.1 75% Earth | | |
| Average push distance: 200 feet Unadjusted hourly production: 410.8 LCY/hr Materials consistency description: Partly consolidated s Average push gradient: 15 % Average site altitude: 7,600 feet Material weight: 2,650 lbs/LCY Weight description: Decomposed rock - 25% Rock, Job Condition Correction Factor 0.750 | | | |

Task # 01A

| Job efficiency: | 0.830 | (1 SHIFT/DAY) |
|-------------------------------|--------------------|---------------|
| Spoil pile: | 0.800 | (FND-RF) |
| Push gradient: | 0.666 | (CAT HB) |
| Altitude: | 1.000 | (CAT HB) |
| Material Weight: | 0.868 | (CAT HB) |
| Blade type: | 1.000 | (PAT) |
| Net correction: | | |
| Adjusted unit production: 13 | 80.10 LCY/hr | |
| Adjusted fleet production: 13 | 30.1 LCY/hr | |

| Fleet size: | 1 Dozer(s) |
|-------------|-------------|
| Unit cost: | \$2.005/LCY |

| Total job time: | 53.02 Hours |
|-----------------|--------------------|
| Total job cost: | \$13,831 |

BULLDOZER WORK

| PROJECT IDENTIFICATION Task #: 01B State: Colorado Abbreviation: N | M1980203 |
|--|----------|
| Task #:01BState:ColoradoAbbreviation:NDate:11/12/2023County:MesaFilename:N | |
| Date: 11/12/2023 County: Mesa Filename: M | |
| Date: 11/12/2023 County: Mesa Filename: M | None |
| | M203-01b |
| | |
| Agency or organization name: DRMS | |
| HOURLY EQUIPMENT COST | |
| Basic Machine: Cat D7R DS XR Series II | |
| Horsepower: 240 | |
| Blade Type: Semi-Universal | |
| Attachment:3-shank ripper | |
| Shift Basis: _ 1 per day | |
| Data Source: (CRG) | |
| Cost Breakdown: | |
| <u>Utilization %</u> | |
| Ownership Cost/Hour: \$114.76 NA | |
| Operating Cost/Hour: \$91.98 100 | |
| Ripper own. Cost/Hour: \$9.06 NA | |
| Ripper op. Cost/Hour: \$5.02 100 | |
| Operator Cost/Hour: \$40.04 NA | |
| | |
| Total unit Cost/Hour: \$260.86 | |
| Total Fleet Cost/Hour: \$260.86 | |
| MATERIAL QUANTITIES | |
| Initial Volume: 507 Swell factor: 1.000 | |
| | |
| Swell factor: 1.000 Loose volume: 507 LCY Source of estimated volume: Division of Reclamation, Mining & Safety | |
| Swell factor:1.000Loose volume:507 LCY | |
| Swell factor: 1.000 Loose volume: 507 LCY Source of estimated volume: Division of Reclamation, Mining & Safety Source of estimated swell factor: Cat Handbook | |
| Swell factor: 1.000 Loose volume: 507 LCY Source of estimated volume: Division of Reclamation, Mining & Safety Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Entertion | |
| Swell factor: 1.000 Loose volume: 507 LCY Source of estimated volume: Division of Reclamation, Mining & Safety Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: 100 feet | |
| Swell factor: 1.000 Loose volume: 507 LCY Source of estimated volume: Division of Reclamation, Mining & Safety Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Entertion | |
| Swell factor: 1.000 Loose volume: 507 LCY Source of estimated volume: Division of Reclamation, Mining & Safety Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: 100 feet | |
| Swell factor: 1.000 Loose volume: 507 LCY Source of estimated volume: Division of Reclamation, Mining & Safety Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: 100 feet Unadjusted hourly production: 714.3 LCY/hr Materials consistency description: Partly consolidated stockpile 1.1 | |
| Swell factor: 1.000 Loose volume: 507 LCY Source of estimated volume: Division of Reclamation, Mining & Safety Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: 100 feet Unadjusted hourly production: 714.3 LCY/hr Materials consistency description: Partly consolidated stockpile 1.1 Average push gradient: 0 % | |
| Swell factor: 1.000 Loose volume: 507 LCY Source of estimated volume: Division of Reclamation, Mining & Safety Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: 100 feet Unadjusted hourly production: 714.3 LCY/hr Materials consistency description: Partly consolidated stockpile 1.1 | |
| Swell factor: 1.000 Loose volume: 507 LCY Source of estimated volume: Division of Reclamation, Mining & Safety Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: 100 feet Unadjusted hourly production: 714.3 LCY/hr Materials consistency description: Partly consolidated stockpile 1.1 Average push gradient: 0 % | |
| Swell factor: 1.000 Loose volume: 507 LCY Source of estimated volume: Division of Reclamation, Mining & Safety Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: 100 feet Unadjusted hourly production: 714.3 LCY/hr Materials consistency description: Partly consolidated stockpile 1.1 Average push gradient: 0 % Average site altitude: 7,600 feet | |
| Swell factor: 1.000 Loose volume: 507 LCY Source of estimated volume: Division of Reclamation, Mining & Safety Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: 100 feet Unadjusted hourly production: 714.3 LCY/hr Materials consistency description: Partly consolidated stockpile 1.1 Average push gradient: 0 % Average site altitude: 7,600 feet Material weight: 2,650 lbs/LCY | |
| Swell factor: 1.000 Loose volume: 507 LCY Source of estimated volume: Division of Reclamation, Mining & Safety Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: 100 feet Unadjusted hourly production: 714.3 LCY/hr Materials consistency description: Partly consolidated stockpile 1.1 Average push gradient: 0 % Average site altitude: 7,600 feet Material weight: 2,650 lbs/LCY Weight description: Decomposed rock - 25% Rock, 75% Earth Job Condition Correction Factor Source Operator Skill: 0.750 | |
| Swell factor: 1.000 Loose volume: 507 LCY Source of estimated volume: Division of Reclamation, Mining & Safety Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: 100 feet Unadjusted hourly production: 714.3 LCY/hr Materials consistency description: Partly consolidated stockpile 1.1 Average push gradient: 0 % Average site altitude: 7,600 feet Material weight: 2,650 lbs/LCY Weight description: Decomposed rock - 25% Rock, 75% Earth Job Condition Correction Factor Source Operator Skill: 0.750 Material consistency: 1.100 | |
| Swell factor: 1.000 Loose volume: 507 LCY Source of estimated volume: Division of Reclamation, Mining & Safety Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: 100 feet Unadjusted hourly production: 714.3 LCY/hr Materials consistency description: Partly consolidated stockpile 1.1 Average push gradient: 0 % Average site altitude: 7,600 feet Material weight: 2,650 lbs/LCY Weight description: Decomposed rock - 25% Rock, 75% Earth Job Condition Correction Factor Source Operator Skill: 0.750 | |

| 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: | 0.868 | (CAT HB) |
| Blade type: | 1.000 | (PAT) |
| Net correction: | 0.4755 | |
| Adjusted unit production: 33 | 9.65 LCY/hr | |
| Adjusted fleet production: 33 | 9.65 LCY/hr | |
| | | |

| Fleet size: | 1 Dozer(s) |
|-------------|-------------|
| Unit cost: | \$0.768/LCY |
| | |

| Total job time: | 1.49 Hours |
|-----------------|-------------------|
| Total job cost: | \$389 |

BULLDOZER RIPPING WORK

| | Task description: | Rip 5 acres of compacted | area | | |
|-------------------|--|---|---|---|---------------------------|
| Site | : <u>Currier Grave</u> | l Pit Permit Actio | on: <u>2023</u> | Permit/Jol | b#: <u>M1980203</u> |
| | PROJECT IDE | ENTIFICATION | | | |
| | Task #: 02A Date: 11/ User: AC | 12/2023 County: Mesa | do | Abbreviation | |
| | Agency | or organization name: <u>DRMS</u> | | | |
| | HOURLY EQU | JIPMENT COST | | | |
| | | Aachine: Cat D7R DS XR Series I | I | Horsepower: Shift Basis: Data Source: | 240 1 per day (CRG) |
| | Cost Breakdown: | | | | |
| | | Ownership Cost/Hour: Operating Cost/Hour: r Ownership Cost/Hour: er Operating Cost/Hour: | \$114.76 \$91.98 \$9.06 \$5.02 | Utilization % NA 100 NA 100 | |
| | Кірр | Operator Cost/Hour: | \$3.02 | NA | |
| | | Total Unit Cost/Hour: | \$260.86 | | |
| | | Total Fleet Cost/Hour: | \$260.86 | | |
| | MATERIAL Q | | Selected estimating | method: Area | |
| Seismic: Area: | NA 5.00 | Bank Volume acres Rip Depth (ft. | | BCY Volume: 8,067 | NA BCY or 0 |
| | | Source of estimated quantity: Sta | ff Estimate | | |
| | HOURLY PRO | DUCTION | | | |
| | Seismic: | | | | |
| | | Seismic Velocity: | NA | feet/second | |
| | Area: | | | | |
| | | Average Ripping Depth: Average Ripping Width: | 2.45 6.50 | feet/pass feet/pass | |
| | | Average Ripping Length: Average Dozer Speed: | <u> </u> | feet/pass feet/minute | |
| | | Average Maneuver Time: | 0.25 | minutes/pass | |
| | | Production per unit area: | 0.687 | acres/hour | |
| | Job Condition Co | rrection Factors | | | |
| | Una | adjusted Hourly Unit Production: | 0.687 | Acres/hr | |
| | | Site Altitude: | 7,600 | feet | |
| | | Altitude Adj: | 1.00 | (CAT HB) | |
| | | Job Efficiency: | 0.83 | (1 shift/day) multiplier | |
| | | Adjusted Hourly Unit Production Adjusted Hourly Fleet Production | on: 0.57 | Acres/hr Acres/hr | |
| | JOB TIME AN | D COST | | | |
| | Fleet size: | <u>1</u> Grader(s) | Total job time | e: <u>8.77</u> | Hours |
| | Unit cost: | \$457.412 Per acre | Total job cost | t: \$2,287 | |

BULLDOZER WORK

| Task description: | Spread topsoil ov | er slopes | | | |
|---|--|---------------------|----------------------|----------------------------|------------------|
| : Currier Gravel Pit | Perm | nit Action: | 2023 | Permit/Job#: | M1980203 |
| PROJECT IDENTIFI | CATION | | | | |
| Task #: 03A Date: 11/12/2023 User: ACY | County: | Colorado Mesa | | Abbreviation: Filename: | None M203-03a |
| Agency or organ | ization name: DR | MS | | | |
| HOURLY EQUIPME | NT COST | | | | |
| | D7R DS XR Series I | Ι | | | |
| Horsepower: 240 | | | | | |
| VI | ni-Universal | | | | |
| Attachment: <u>NA</u> Shift Basis: 1 pe | er day | | | | |
| Data Source: (CR | | | | | |
| Cost Breakdown: | | | | | |
| O | | ¢11476 | <u>Utilization %</u> | | |
| Ownership Cost/Hour: Operating Cost/Hour: | | \$114.76 \$91.98 | NA 100 | | |
| Ripper own. Cost/Hour: | | \$0.00 | NA | | |
| Ripper op. Cost/Hour: | | \$0.00 | 100 | | |
| Operator Cost/Hour: | | \$40.04 | NA | | |
| MATERIAL QUANT | 3 | | | | |
| Swell factor:1.215Loose volume:4,900 |) LCY | _ | | | |
| Source of estimated volum | | | | | |
| Source of estimated swell | factor: Cat Handl | DOOK | | | |
| HOURLY PRODUCT | | | | | |
| Average push distance: Unadjusted hourly produc | 300 feet 311.1 LCY/ | hr | | | |
| Materials consistency dese | cription: <u>Partly c</u> | onsolidated | stockpile 1.1 | | |
| A 1 1 | 0 % | | | | |
| Average push gradient: Average site altitude: | 7,600 feet | | | | |
| | 7,600 feet 1,600 lbs/LCY | | | _ | |
| Average site altitude: | | | | - | |
| Average site altitude: Material weight: Weight description: Job Condition Correction | 1,600 lbs/LCY Top Soil Factor | | Source | - | |
| Average site altitude: Material weight: Weight description: Job Condition Correction Operator S | 1,600 lbs/LCY Top Soil <u>Factor</u> Skill:0. | 750 | (AVG.) | | |
| Average site altitude: Material weight: Weight description: Job Condition Correction | 1,600 lbs/LCY Top Soil Factor Skill: 0.7 ency: 1.7 | 750 100 200 | | - | |

Task # 03A

| Job efficience | cy: 0.830 | (1 SHIFT/DAY) |
|----------------------------|---------------|---------------|
| Spoil pi | le: 0.800 | (FND-RF) |
| Push gradie | nt: 1.000 | (CAT HB) |
| Altitud | le: 1.000 | (CAT HB) |
| Material Weig | ht: 1.438 | (CAT HB) |
| Blade typ | pe: 1.000 | (PAT) |
| Net correction | on: 0.7877 | |
| Adjusted unit production: | 245.05 LCY/hr | |
| Adjusted fleet production: | 245.05 LCY/hr | |
| | | |

| Fleet size: | 1 Dozer(s) |
|-------------|-------------|
| Unit cost: | \$1.007/LCY |
| | |

| Total job time: | 20.00 Hours |
|-----------------|--------------------|
| Total job cost: | \$4,935 |

REVEGETATION WORK

| Тε | ask descript | tion: | Revegetate 5 acres disturban | ice | | | | |
|--------------------------|---------------------------------|--------------------------|------------------------------|---------------------|----------------------------|------------------------------|--|--|
| Site: Currier Gravel Pit | | ravel Pit | Permit Action: | Permit Action: 2023 | | Permit/Job#: <u>M1980203</u> | | |
| <u>PR</u> | OJECT I | DENTIFIC | ATION | | | | | |
| | Task #: _ Date: _ User: _ | 04A 11/12/2023 ACY | State:ColoradoCounty:Mesa | | Abbreviation: Filename: | None M203-04a | | |
| | Age | ncy or organiz | zation 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) | | \$112.82 |
| | | |
| | Total Tilling Cost/Acre | \$112.82 |

SEEDING

| Seed Mix | Rate – PLS LBS / Acre | Seeds per SQ. FT | Cost /Acre |
|------------------------------|--------------------------------|------------------------|------------|
| Crested Wheatgrass - Fairway | 2.00 | 9.18 | \$8.05 |
| Yellow Sweet Clover - Madrid | 0.70 | 4.18 | \$1.98 |
| Western Wheatgrass - Native | 10.60 | 26.77 | \$63.60 |
| Totals Seed Mix | 13.30 | 40.13 | \$73.63 |

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 |
|---|-----------------|------|-------------|------------|
| Herbicide - 2,4D @ 1.0 pt/ac | 1.00 | ACRE | \$4.01 | \$4.01 |
| Straw, delivered {MEANS 31 25 14.16 1200} | 2.00 | TON | \$429.79 | \$859.57 |
| | | | | |
| Total Mulch Materials Cost/Acre | | | | \$863.58 |

Application

| Description | | Cost /Acre |
|---|-----------------------------------|------------|
| Crimping, with tractor {DMG survey data} | | \$74.46 |
| Power mulcher (MEANS 32 91 13.16 0350) | | \$147.67 |
| Weed spray, truck, non-aquatic area, nox. [DMG] | | \$62.72 |
| | Total Mulch Application Cost/Acre | \$284.85 |

NURSERY STOCK PLANTING

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

| | No. of Acres: | 5 | Cost /Acre: | \$1,566.88 |
|---------------------|------------------|----------------|--------------|------------|
| Estimate | ed Failure Rate: | 25% | Cost /Acre*: | \$1,566.88 |
| *Selected Replanti | ng Work Items: | TILLING,SEEDIN | G,MULCHING | |
| Initial Job Cost: | \$7,834.40 | | | |
| Reseeding Job Cost: | \$1,958.60 | | | |
| Total Job Cost: | \$9,793 | | | |
| Job Hours: | 8.00 | | | |

EQUIPMENT MOBILIZATION/DEMOBILIZATION

| Task descripti | on: Init | tial Mobilization | | | | | | |
|---------------------|--------------------------------------|-------------------|-------------------|-------|-------------------------------|---------|-----------|------------|
| e: <u>Currier G</u> | Currier Gravel PitPermit Action:2023 | | | | Permit/Job#: M1980203 | | | |
| PROJECT II | DENTIFICATI | <u>ON</u> | | | | | | |
| Task #: | 05A | State: C | olorado | | Abbrevi | iation: | None | |
| Date: | 11/12/2023 | County: M | lesa | | File | name: | M203- | 05a |
| _ | 10:45:55 AM | | | | | | | |
| User: | ACY | | | | | | | |
| Agen | cy or organization | n name: DRMS | 5 | | | | | |
| EOUIPMEN | T TRANSPOR | T RIG COST | | | | | | |
| | | 1110 0001 | | | Shift basis | s: | l per day | 7 |
| | | | | (| Cost Data Source | | CRG Dat | |
| Ti | ruck Tractor Desc | ription: GENE | ERIC ON-HIGH | | JCK TRACTOR (2ND HALF, 20 | | DIESEL | POWERED, |
| Т | ruck Trailer Desc | ription: C | GENERIC FOLD ז | | SENECK, DRO (25T, 50T, AND | | K EQUI | PMENT |
| Cost Breakdow | 'n: | | 1 | | (201, 501, 111) | , 1001) | | |
| Available Ri | | 0-25 Tons | 26-50 Tons | 51+ | - Tons | | | |
| Owners | ship Cost/Hour: | \$20.26 | \$36.04 | \$4 | 17.05 | | | |
| | ting Cost/Hour: | \$39.51 | \$76.08 | \$8 | 32.85 | | | |
| | ator Cost/Hour: | \$22.52 | \$22.52 | \$2 | 22.52 | | | |
| | lper Cost/Hour: | \$0.00 | \$23.53 | | 23.53 | | | |
| Total U | Unit Cost/Hour: | \$82.29 | \$158.17 | \$1 | 75.95 | | | |
| NON ROAD | ABLE EQUIPN | MENT: | | | | | | |
| Machine | Weight/ | Owner ship | Haul Rig | Fleet | Haul Trip | Return | Trip | DOT Permit |

| Machine | Weight/ | Owner ship | Haul Rig | Fleet | Haul Trip | Return Trip | DOT Permit |
|-----------------|---------|---------------|-------------|-------|-----------|----------------|-------------|
| Description | Unit | Cost/hr/ unit | Cost/hr/uni | Size | Cost/hr/ | Cost/hr/ fleet | Cost/ fleet |
| | (TONS) | | t | | fleet | | |
| Cat D7R DS XR | 35.93 | \$123.82 | \$158.17 | 1 | \$281.99 | \$158.17 | \$250.00 |
| Series II | | | | | | | |
| Drill/Broadcast | 25.00 | \$6.73 | \$82.29 | 1 | \$89.02 | \$82.29 | \$250.00 |
| Seeder with | | | | | | | |
| Tractor | | | | | | | |
| Power Mulcher | 6.00 | \$25.94 | \$82.29 | 1 | \$108.23 | \$82.29 | \$250.00 |
| (Bowie LD-90) | | | | | | | |
| | | | | | | | |

Subtotals: \$479.24 \$322.75 \$750.00

ROADABLE EQUIPMENT:

| Machine Description | Total Cost/hr/ unit | Fleet Size | Haul Trip Cost/hr/ fleet | Return Trip Cost/hr/ fleet |
|--------------------------------------|------------------------|------------|-----------------------------|-------------------------------|
| Light Duty Pickup, 4x4, 1 T. Crew | \$128.47 | 2 | \$256.94 | \$256.94 |
| | | Subtotals: | \$256.94 | \$256.94 |

EQUIPMENT HAUL DISTANCE and Time

| Nearest Major City or Town within project area region: Total one-way travel distance: Average Travel Speed: | GRAND JUNCTION 50.00 40.00 | miles mph |
|---|----------------------------------|-----------|
| Total Non-Roadable Mob/Demob Cost * | \$4,463.46 | |
| Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig: | \$642.35 | _ |

Transportation Cycle Time:

| | Non- | D 1.11. |
|-------------------------|-----------|-----------|
| | Roadable | Roadable |
| | Equipment | Equipment |
| Haul Time (Hours): | 1.25 | 1.25 |
| Return Time (Hours): | 1.25 | 1.25 |
| Loading Time (Hours): | 0.50 | NA |
| Unloading Time (Hours): | 0.50 | NA |
| Subtotals: | 3.50 | 2.50 |

JOB TIME AND COST

Total job time: **7.00** Hours

Total job cost: **\$5,106**

EQUIPMENT MOBILIZATION/DEMOBILIZATION

| Currier Grave | el Pit | Permit | Action: <u>2023</u> | |] | Permit/Job#: | M1980203 |
|---|---|---|--|--|--|---|------------------------------|
| PROJECT IDE | NTIFICATI | ON | | | | | |
| Task #: 05E | 3 | State: Co | olorado | | Abbre | eviation: No | one |
| Date: 11/ User: AC | 12/2023 Y | County: M | esa | | Fi | ilename: M | 203-05b |
| Agency of | or organization | n name: DRMS | | | | | |
| EQUIPMENT T | RANSPOR | T RIG COST | | | | | |
| | | | | (| Shift ba Cost Data Sour | | |
| Truck | Tractor Desc | ription: GENE | RIC ON-HIGH | | JCK TRACTO (2ND HALF, | | SEL POWERED, |
| | | | | | | | |
| Trucl | x Trailer Desc | ription: G | ENERIC FOLD | | SENECK, DF (25T, 50T, AN | ROP DECK E | QUIPMENT |
| | < Trailer Desc | ription: G | | | | ROP DECK E | QUIPMENT |
| Cost Breakdown: Available Rig Ca | apacities | 0-25 Tons | 26-50 Tons | TRAILER | (25T, 50T, AN | ROP DECK E | QUIPMENT |
| Cost Breakdown: Available Rig Ca Ownership | apacities Cost/Hour: | 0-25 Tons \$20.26 | 26-50 Tons \$36.04 | <u>FRAILER</u> 51+ | (25T, 50T, AN - Tons 47.05 | ROP DECK E | QUIPMENT |
| Cost Breakdown: Available Rig Ca Ownership Operating | apacities Cost/Hour: Cost/Hour: | 0-25 Tons \$20.26 \$39.51 | 26-50 Tons \$36.04 \$76.08 | <u>FRAILER</u> 51+ \$2 \$8 | (25T, 50T, AN - Tons 47.05 32.85 | ROP DECK E | QUIPMENT |
| Cost Breakdown: Available Rig Ca Ownership Operating Operator | apacities Cost/Hour: Cost/Hour: Cost/Hour: | 0-25 Tons \$20.26 \$39.51 \$22.52 | 26-50 Tons \$36.04 \$76.08 \$22.52 | <u>FRAILER</u> 51+ \$2 \$8 \$2 | (25T, 50T, AN - Tons 47.05 32.85 22.52 | ROP DECK E | QUIPMENT |
| <u>Cost Breakdown:</u> Available Rig Ca Ownership Operating Operator Helper | apacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: | 0-25 Tons \$20.26 \$39.51 \$22.52 \$0.00 | 26-50 Tons \$36.04 \$76.08 \$22.52 \$23.53 | TRAILER 51+ \$2 \$2 \$2 \$2 | (25T, 50T, AN - Tons 47.05 32.85 22.52 23.53 | ROP DECK E | QUIPMENT |
| <u>Cost Breakdown:</u> Available Rig Ca Ownership Operating Operator Helper | apacities Cost/Hour: Cost/Hour: Cost/Hour: | 0-25 Tons \$20.26 \$39.51 \$22.52 | 26-50 Tons \$36.04 \$76.08 \$22.52 | TRAILER 51+ \$2 \$2 \$2 \$2 | (25T, 50T, AN - Tons 47.05 32.85 22.52 | ROP DECK E | QUIPMENT |
| Cost Breakdown: Available Rig Ca Ownership Operating Operator Helper Total Unit | apacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: | 0-25 Tons \$20.26 \$39.51 \$22.52 \$0.00 \$82.29 | 26-50 Tons \$36.04 \$76.08 \$22.52 \$23.53 | TRAILER 51+ \$2 \$2 \$2 \$2 | (25T, 50T, AN - Tons 47.05 32.85 22.52 23.53 | ROP DECK E | QUIPMENT |
| Cost Breakdown: Available Rig Ca Ownership Operating Operator Helper Total Unit | apacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: | 0-25 Tons \$20.26 \$39.51 \$22.52 \$0.00 \$82.29 | 26-50 Tons \$36.04 \$76.08 \$22.52 \$23.53 | TRAILER 51+ \$2 \$2 \$2 \$2 | (25T, 50T, AN - Tons 47.05 32.85 22.52 23.53 | ROP DECK EG ND 100T) | DOT Permit |
| Cost Breakdown: Available Rig Ca Ownership Operating Operator Helper Total Unit CON ROADAB Machine Description | apacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIPN | 0-25 Tons \$20.26 \$39.51 \$22.52 \$0.00 \$82.29 MENT: Owner ship Cost/hr/ unit | 26-50 Tons \$36.04 \$76.08 \$22.52 \$23.53 \$158.17 | TRAILER 51+ \$2 \$2 \$2 \$1 | (25T, 50T, AN - Tons 47.05 32.85 22.52 23.53 75.95 | ROP DECK EG | DOT Permit |
| Cost Breakdown: Available Rig Ca Ownership Operating Operator Helper Total Unit NON ROADAB Machine | apacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIPN Weight/ Unit | 0-25 Tons \$20.26 \$39.51 \$22.52 \$0.00 \$82.29 MENT: Owner ship | 26-50 Tons \$36.04 \$76.08 \$22.52 \$23.53 \$158.17 Haul Rig Cost/hr/uni | SI 51+ \$2 \$2 \$2 \$1 \$2 \$1 \$2 \$1 \$1 | (25T, 50T, AN - Tons 47.05 32.85 22.52 23.53 75.95 Haul Trip Cost/hr/ | ROP DECK EG ND 100T) | DOT Permit |
| Cost Breakdown: Available Rig Ca Ownership Operating Operator Helper Total Unit NON ROADAB Machine Description Drill/Broadcast Seeder with | apacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIPN Weight/ Unit (TONS) | 0-25 Tons \$20.26 \$39.51 \$22.52 \$0.00 \$82.29 MENT: Owner ship Cost/hr/ unit | 26-50 Tons \$36.04 \$76.08 \$22.52 \$23.53 \$158.17 Haul Rig Cost/hr/uni t | Size Fleet Size | (25T, 50T, AN - Tons 47.05 32.85 22.52 23.53 75.95 Haul Trip Cost/hr/ fleet | ROP DECK EG ND 100T) Return Trip Cost/hr/ flee | et DOT Permit Cost/ fleet |

ROADABLE EQUIPMENT:

| Machine Description | Total Cost/hr/ unit | Fleet Size | Haul Trip Cost/hr/ fleet | Return Trip Cost/hr/ fleet |
|--------------------------------------|------------------------|------------|-----------------------------|-------------------------------|
| Light Duty Pickup, 4x4, 1 T. Crew | \$128.47 | 1 | \$128.47 | \$128.47 |
| | | Subtotals: | \$128.47 | \$128.47 |

EQUIPMENT HAUL DISTANCE and Time

| Nearest Major City or Town within project area region: Total one-way travel distance: | GRAND JUNCTION 50.00 | miles |
|--|-------------------------|-------|
| Average Travel Speed: | 40.00 | mph |
| Total Non-Roadable Mob/Demob Cost * | \$2,299.08 | _ |
| Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig: | \$321.18 | _ |

Transportation Cycle Time:

| Non- Roadable Equipment | Roadable Equipment |
|-------------------------------|--|
| 1.25 | 1.25 |
| 1.25 | 1.25 |
| 0.50 | NA |
| 0.50 | NA |
| 3.50 | 2.50 |
| | Roadable Equipment 1.25 1.25 0.50 0.50 |

JOB TIME AND COST

Total job time: **7.00** Hours

Total job cost: \$2,620