



COLORADO

Division of Reclamation,
Mining and Safety

Department of Natural Resources

February 14, 2022

Mr. Alan Roberts
Usuran Resources Inc
242 Linden Street
Fort Collins, CO 80524

**Re: Tallahassee Project, Notice of Intent to Prospect ID No. P-2021-019;
Second / Follow-up Notice of Deficiencies**

Dear Mr. Roberts:

On February 4, 2022 the Division of Reclamation, Mining and (Division) received your responses to our December 22, 2021 Notice of Deficiencies for your NOI application. The Division has reviewed your responses and requires additional information and/or clarification. The original comment numbering system has been retained for tracking purposes. Please address the remaining open items:

Application:

1. Item I.3, Company Name. The response is adequate.
2. Item I.5, Location Information. The response is adequate.
3. Item II, Maps & Drawings. The response is adequate.
4. Item III.3, Amount of material. The response is adequate.
5. Item III.5, Containment of drilling fluids. Additional clarification is needed:
 - a. Your response to 24/7 drilling operations indicated reverse circulation drilling (if that method is selected) would only be during daylight hours. Please confirm no drilling fluid will remain in mud pits overnight, while unattended, or the mud pits will be covered so as to not become a wildlife attractant.
 - b. The response is adequate.
 - c. The response is adequate.
6. Item IV.2, Vegetation description. The response is adequate.
7. Item IV.3, Topsoil salvage. The response is adequate.
8. Item IV.3, Reclamation responsibility. The response is adequate.
9. Item IV.4, Drill hole abandonment. The response is adequate.
10. Item IV.5, Reclamation of other disturbances. The response is adequate.
11. Item IV.5, Mud pit reclamation. The response is adequate.
12. Item IV.7, Seed mixture. The response is adequate.



13. Legal Right of Entry. Your response stated a lease agreement was enclosed. We could not locate a lease agreement in your February 4th response. Please provide the referenced lease agreements.

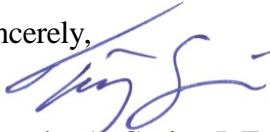
Financial Warranty:

The DRMS has completed a reclamation cost estimate for the proposed activities. Please review the enclosed estimate and be prepared to submit the estimated amount. If you find errors or wish to dispute specific items, in our estimate, please contact me.

Please provide a written response (which should clearly indicate the Prospect ID No. P-2021-019) to address the above deficiencies by February 20, 2022, or the Division may deny the NOI application. If more time is needed, please provide a written request for an extension to the decision date.

If you have any questions, please contact me (303-328-5229).

Sincerely,



Timothy A. Cazier, P.E.
Environmental Protection Specialist

Enclosure: Reclamation Cost Estimate

ec: Michael, Cunningham, DRMS
Brock Bowles, DRMS
DRMS file
Ben Vallerine, Usuran

COST SUMMARY WORK

Task description: Cost Summary

Site: Tallahassee Project

Permit Action: Initial

Permit/Job#: P2021019

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 2/14/2022

County: Fremont

Filename: P019-000

User: TC1

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

| Task | Description | Form Used | Fleet Size | Task Hours | Cost |
|--------------------------|--|-----------|------------|---------------|------------------|
| 010 | Abandon sixty 1,000-ft, 5-inch boreholes | NA | 1 | 109.00 | \$197,494 |
| 020 | Backfill mud pits | LOADER | 1 | 3.45 | \$453 |
| 030 | Replace Topsoil on 60 Pads (Avg 20-inch depth) | DOZER | 1 | 29.61 | \$5,150 |
| 040 | Finish grade 60 pads | GRADER | 1 | 3.15 | \$373 |
| 050 | Basic Reveg - no mountain mahogany (3.36 Ac.) | REVEGE | 1 | 30.00 | \$4,057 |
| 051 | Reveg w/ mountain mahogany (0.5 Ac.) | REVEGE | 1 | 5.00 | \$606 |
| 060 | Mob / Demob from Cañon City | MOBILIZE | 1 | 4.00 | \$4,882 |
| 061 | Mob / Demob (site wide) | MOBILIZE | 1 | 2.33 | \$3,943 |
| <u>SUBTOTALS:</u> | | | | 186.54 | \$216,958 |

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$4,383

Performance bond: 1.05

Total = \$2,278

Job superintendent: 127.18

Total = \$9,161

Profit: 10.00

Total = \$21,696

TOTAL O & P = \$37,517

CONTRACT AMOUNT (direct + O & P) = \$254,475

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

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

Total = \$0

Engineering work and/or contract/bid preparation: 4.25

Total = \$10,815

Reclamation management and/or administration: 5.00

\$12,724

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$61,056

TOTAL BOND AMOUNT (direct + indirect) = \$278,014

BOREHOLE SEALING WORK

Task #: 010

Sixty 1,000-Ft Drill Holes

Mine: Tallahassee Project

Date: 2/14/2022

Permit no.: P-2021-019

Prepared by: TC1

Permitting action: Initial Bond Estimate

| Hole | Hole (Casing) diam. (in) | Total depth (ft) | Hole volume (cf) | # Holes | Cwt of bulk cement (assuming 94 lbs of cement per 1.18 cf of hole, that is 100 lbs of cement fills 1.25 cf) | Cement cost per cwt (CIRCES) | Cement total cost | Rig setup time per hole (hr) | Rig time to drop pipe in hole (hr) | Rig time to fill hole (hrs/hole) | Total rig time (setup + pipe drop + fill) per hole (hr) | Rig w/ crew hourly rate (CIRCES, ATLAS COPCO ROC D9-11,4.5 in.) | Total rig cost | 2,500 gal water truck w/driver hourly rate (Circes) | Water truck w/ driver cost (rig fill time x truck rate) | Octoplug (Circes, \$0 per hole) | Cut surface casing & mark (Circes, \$6.04/lf) | % Liab. | Total cost before bond release or increment obligation | Total cost |
|---|--------------------------|------------------|------------------|---------|---|------------------------------|-------------------|------------------------------|------------------------------------|----------------------------------|---|---|----------------|---|---|---------------------------------|---|---------|--|------------|
| Uncased Exploration Drill Holes (cement grout 1,000 ft) | 5 | 1000 | 136 | 60 | 109 | \$19.95 | \$2,176 | 1.50 | 0.83 | 1.30 | 3.63 | \$288.93 | \$1,049 | \$50.82 | \$66 | \$0 | \$0 | 100% | \$197,494 | \$197,494 |

Total rig time (setup + fill), reduced for liab. % 217.91 rig hours
/ 2 rigs
108.96 project hours

Grand Total \$197,494

Assumptions:

Cwt of bulk cement (assuming 94 lbs of cement per 1.18 cf of hole, that is 100 lbs of cement fills 1.25 cf)

1.25

Cement cost per cwt (CIRCES) \$ 19.95

Rig setup time per hole (hr)

Rig w/ crew (driller and laborer hourly rate (Pick drill & unit costs from CIRCES) \$ 288.93

ATLAS COPCO ROC D9-11,4.5 in.

2,500 gal water truck w/driver hourly rate (Circes) \$ 50.82

Octoplug (Circes, \$ depends on dia.) \$ -

N/A, 2-ft soil backfill per hole (included w/ laborer)

Cut surface casing & mark (Circes, \$/lf) \$ 6.04

Cut surface casing: assumed length 0.0 ft

WHEEL LOADER – LOAD AND CARRY WORKTask description: **Backfill mud pits**Site: **Tallahassee Project** Permit Action: **Initial** Permit/Job#: **P2021019****PROJECT IDENTIFICATION**

Task #: **020** State: **Colorado** Abbreviation: **None**
 Date: **2/14/2022** County: **Fremont** Filename: **P019-020**
 User: **TC1**

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

Basic Machine: **CAT 450E** Horsepower: **101**
 Attachment 1: **ROPS Cab** Shift Basis: **1 per day**
 Data Source: **(CRG)**

Cost Breakdown:

| | | Utilization % |
|------------------------|----------|---------------|
| Ownership Cost/Hour: | \$52.59 | NA |
| Operating Cost/Hour: | \$37.71 | 100 |
| Operator Cost/Hour: | \$40.71 | NA |
| Total Unit Cost/Hour: | \$131.01 | |
| Total Fleet Cost/Hour: | \$131.01 | |

MATERIAL QUANTITIES

Initial volume: **620** CCY Swell factor: **1.000**
 Loose volume: **620** LCY

Source of estimated volume: **Sixty 5.2 CY mud pits (ref. 2/4/22 response to Comment #4)**
 Source of estimated swell factor: **Cat Handbook**

HOURLY PRODUCTION

Loader Cycle Time: Unadjusted Basic Cycle Time (load, dump, maneuver): **0.475** minutes

| Cycle Time Factors | | Factor (min.) | Source |
|----------------------------|--|---------------|----------|
| Material: | No adjustment - factor not applicable 0.00 | 0.000 | (Cat HB) |
| Stockpile: | No adjustment - factor not applicable 0.00 | 0.000 | (Cat HB) |
| Truck Ownership: | No adjustment - factor not applicable 0.00 | 0.000 | (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: | | -0.040 | minutes |
| Adjusted Basic Cycle Time: | | 0.435 | minutes |

Rolling Resistance – Road Conditions

Haul: **Rutted dirt, little maintenance, no water, 2" tire penetration 5.0**
 Return: **Rutted dirt, little maintenance, no water, 2" tire penetration 5.0**

Haul and Return Time

| | Length (feet) | Grade Res. (%) | Rolling Res. (%) | Total Res. (%) | Travel Time (minutes) | Source |
|---------------|------------------|-------------------|---------------------|-------------------|--------------------------|----------|
| Haul Route: | 0 | 0.00 | 5.00 | 5.00 | 0.0000 | (Cat HB) |
| Return Route: | 0 | 0.00 | 5.00 | 5.00 | 0.0000 | (Cat HB) |

Total Travel Time: 0.0000 minutes
Total Cycle Time: **0.4350** minutes

Load Bucket Capacity

Rated Capacity: 1.50 LCY (heaped)
Bucket Fill Factor: 1.100 Other - rock/dirt mixtures (100-120%) 1.100
Adjusted Capacity: **1.65** LCY

Job Condition Correction Factors

Site Altitude: 8500 feet

| | | |
|-----------------|-------------|--------------------|
| Altitude Adj: | <u>0.95</u> | Source (CAT HB) |
| Job Efficiency: | <u>0.83</u> | (1 shift/day) |
| Net Correction: | <u>0.79</u> | multiplier |

Unadjusted Hourly Unit Production: 227.59 LCY/Hour
Adjusted Hourly Unit Production: 179.45 LCY/Hour
Adjusted Hourly Fleet Production: **179.45** LCY/Hour

JOB TIME AND COST

Fleet size: 1 Loader(s) Total job time: **3.45** Hours
Unit cost: \$0.730 /LCY Total job cost: **\$453**

BULLDOZER WORKTask description: **Replace Topsoil on 60 Pads (Avg 20-inch depth)**Site: **Tallahassee Project**Permit Action: InitialPermit/Job#: P2021019**PROJECT IDENTIFICATION**Task #: 030State: ColoradoAbbreviation: NoneDate: 2/14/2022County: FremontFilename: P019-030User: TC1Agency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D6T LGPHorsepower: 200Blade Type: StraightAttachment: NAShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

| | | <u>Utilization %</u> |
|-----------------------|---------|----------------------|
| Ownership Cost/Hour: | \$66.27 | NA |
| Operating Cost/Hour: | \$66.34 | 100 |
| Ripper own. | | |
| Cost/Hour: | \$0.00 | NA |
| Ripper op. Cost/Hour: | \$0.00 | 0 |
| Operator Cost/Hour: | \$41.30 | NA |

Total unit Cost/Hour: \$173.91Total Fleet Cost/Hour: **\$173.91****MATERIAL QUANTITIES**Initial Volume: 10,370Swell factor: 1.000Loose volume: **10,370 LCY**Source of estimated volume: NOI Appl. (Avg 50cm on sixty 40ft x 70ft pads)Source 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: 0 %Average site altitude: 8,500 feetMaterial weight: 1,600 lbs/LCYWeight description: Top Soil

Job Condition Correction Factor

| | | <u>Source</u> |
|-----------------------|-------|---------------|
| Operator Skill: | 0.750 | (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: | 0.800 | (FND-RF) |
| Push gradient: | 1.000 | (CAT HB) |
| Altitude: | 1.000 | (CAT HB) |
| Material Weight: | 1.438 | (CAT HB) |
| Blade type: | 1.000 | (PAT) |

Net correction: 0.7877

Adjusted unit
production: 350.21 LCY/hr
Adjusted fleet
production: **350.21** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.497/LCY

Total job time: **29.61** Hours
Total job cost: **\$5,150**

MOTOR GRADER WORK

Task description: Finish grade 60 pads

Site: Tallahassee Project

Permit Action: Initial

Permit/Job#: P2021019

PROJECT IDENTIFICATION

Task #: 040

State: Colorado

Abbreviation: None

Date: 2/14/2022

County: Fremont

Filename: P019-040

User: TC1

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: CAT 120M

Horsepower: 138

Ripper Attachment: Multi-Shank Ripper

Shift Basis: 1 per day

Data Source: (CRG)

Cost Breakdown:

| | | Utilization % |
|-----------------------------|------------------------|---------------|
| Ownership Cost/Hour: | <u>\$50.37</u> | <u>NA</u> |
| Operating Cost/Hour: | <u>\$32.85</u> | <u>100</u> |
| Ripper Ownership Cost/Hour: | <u>\$2.95</u> | <u>NA</u> |
| Ripper Operating Cost/Hour: | <u>\$3.40</u> | <u>100</u> |
| Operator Cost/Hour: | <u>\$28.56</u> | <u>NA</u> |
| Total Unit Cost/Hour: | <u>\$118.13</u> | |
| Total Fleet Cost/Hour: | <u>\$118.13</u> | |

MATERIAL QUANTITIES

Total Area to be graded or ripped: 3.86 acres

Source of estimated acreage: Sixty 40-ft x 70-ft pads

HOURLY PRODUCTION

| | | |
|--|---|-------------------|
| Average Grader Speed: | <u>1.50</u> | <u>mph</u> |
| Selected Application: | <u>Finish grading (0-2.5 mph) - 1.5</u> | |
| Selected Blade Angle: | <u>30</u> | <u>degrees</u> |
| Effective Blade Length: | <u>10.40</u> | <u>feet</u> |
| Width of blade overlap per pass: | <u>2.00</u> | <u>feet</u> |
| Net grading or ripping width per pass: | <u>8.40</u> | <u>feet</u> |
| Unadjusted Hourly Unit Production: | <u>1.5273</u> | <u>acres/hour</u> |

Job Condition Correction Factors

Site Altitude: 8500 feet

| | | |
|-----------------|---------------|---------------|
| Altitude Adj: | <u>1.00</u> | Source |
| Job Efficiency: | <u>0.80</u> | (CAT HB) |
| Net Correction: | <u>0.8000</u> | (1sh/d, adv.) |
| | | multiplier |

Adjusted Hourly Unit Production: 1.2218 acres/Hour

Adjusted Hourly Fleet Production: **1.2218** acres/Hour

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: **3.16** Hours

Unit cost: \$96.68 per acre Total job cost: **\$373**

REVEGETATION WORKTask description: Basic Reveg - no mountain mahogany (3.36 Ac.)Site: Tallahassee ProjectPermit Action: InitialPermit/Job#: P2021019**PROJECT IDENTIFICATION**Task #: 050State: ColoradoAbbreviation: NoneDate: 2/14/2022County: FremontFilename: P019-050User: TC1Agency 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 |
|--------------------------------|---------------|
| | \$ |
| Total Tilling Cost/Acre | \$0.00 |

SEEDING

| Seed Mix | Rate – PLS LBS / Acre | Seeds per SQ. FT | Cost /Acre |
|-------------------------------|--------------------------------|------------------------|----------------|
| Blue Grama - Native | 0.10 | 1.63 | \$1.37 |
| Sideoats Grama - Butte | 0.50 | 1.64 | \$4.50 |
| Streambank Wheatgrass - Sodar | 0.80 | 2.61 | \$4.56 |
| Western Wheatgrass - Native | 2.80 | 7.07 | \$16.80 |
| Needlegrass, Green - Lodorm | 1.80 | 7.48 | \$21.20 |
| Totals Seed Mix | 6.00 | 20.43 | \$48.43 |

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 |
|---|-------------------------|-------------|--------------------|-------------------|
| Straw, delivered {MEANS 31 25 14.16 1200} | 2.00 | TON | \$307.02 | \$614.04 |
| Total Mulch Materials Cost/Acre | | | | \$614.04 |

Application

| Description | Cost /Acre |
|--|-------------------|
| Crimping, with tractor {DMG survey data} | \$71.57 |
| Total Mulch Application Cost/Acre | \$71.57 |

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: 3.36 Cost /Acre: \$966.04
 Estimated Failure Rate: 25% Cost /Acre*: \$966.04
 *Selected Replanting Work Items: SEEDING, MULCHING

Initial Job Cost: **\$3,245.89**
 Reseeding Job Cost: **\$811.47**
 Total Job Cost: **\$4,057**
 Job Hours: **30.00**

REVEGETATION WORKTask description: Reveg w/ mountain mahogany (0.5 Ac.)Site: Tallahassee ProjectPermit Action: InitialPermit/Job#: P2021019**PROJECT IDENTIFICATION**Task #: 051State: ColoradoAbbreviation: NoneDate: 2/14/2022County: FremontFilename: P019-051User: TC1Agency 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 |
|--------------------------------|---------------|
| | \$ |
| Total Tilling Cost/Acre | \$0.00 |

SEEDING

| Seed Mix | Rate – PLS LBS / Acre | Seeds per SQ. FT | Cost /Acre |
|-------------------------------|--------------------------------|------------------------|----------------|
| Blue Grama - Native | 0.10 | 1.63 | \$1.37 |
| Sideoats Grama - Butte | 0.50 | 1.64 | \$4.50 |
| Streambank Wheatgrass - Sodar | 0.80 | 2.61 | \$4.56 |
| Mahogany, Mountain | 0.10 | 0.14 | \$3.68 |
| Western Wheatgrass - Native | 2.80 | 7.07 | \$16.80 |
| Needlegrass, Green - Lodorm | 1.80 | 7.48 | \$21.20 |
| Totals Seed Mix | 6.10 | 20.57 | \$52.11 |

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 |
|---|-------------------------|-------------|--------------------|-------------------|
| Straw, delivered {MEANS 31 25 14.16 1200} | 2.00 | TON | \$307.02 | \$614.04 |
| Total Mulch Materials Cost/Acre | | | | \$614.04 |

Application

| Description | Cost /Acre |
|--|-------------------|
| Crimping, with tractor {DMG survey data} | \$71.57 |
| Total Mulch Application Cost/Acre | \$71.57 |

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: 0.5 Cost /Acre: \$969.72
 Estimated Failure Rate: 25% Cost /Acre*: \$969.72
 *Selected Replanting Work Items: SEEDING,MULCHING

Initial Job Cost: **\$484.86**
 Reseeding Job Cost: **\$121.22**
 Total Job Cost: **\$606**
 Job Hours: **5.00**

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: Mob / Demob from Cañon CitySite: Tallahassee ProjectPermit Action: InitialPermit/Job#: P2021019**PROJECT IDENTIFICATION**Task #: 060State: ColoradoAbbreviation: NoneDate: 2/14/2022County: FremontFilename: P019-060User: TC1Agency or organization name: DRMS**EQUIPMENT TRANSPORT RIG COST**Shift basis: 1 per dayCost Data Source: CRG DataTruck 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 |
|---|---------------------------|--------------------------------|--------------------------|---------------|--------------------------------|-------------------------------|---------------------------|
| ATLAS COPCO ROC D9-11,4.5 in. | 0.00 | \$108.07 | \$68.37 | 1 | \$176.44 | \$68.37 | \$250.00 |
| Cat D6T LGP | 26.87 | \$66.27 | \$132.49 | 1 | \$198.76 | \$132.49 | \$250.00 |
| CAT 450E | 9.80 | \$52.59 | \$68.37 | 1 | \$120.96 | \$68.37 | \$250.00 |
| CAT 120M | 15.53 | \$50.37 | \$68.37 | 1 | \$118.74 | \$68.37 | \$250.00 |
| Drill/Broadcast Seeder with Tractor | 25.00 | \$7.98 | \$68.37 | 1 | \$76.35 | \$68.37 | \$250.00 |

Subtotals: **\$691.25** **\$405.97** **\$1,250.00****ROADABLE EQUIPMENT:**

| Machine Description | Total Cost/hr/ unit | Fleet Size | Haul Trip Cost/hr/ fleet | Return Trip Cost/hr/ fleet |
|--------------------------|------------------------|------------|-----------------------------|-------------------------------|
| Water Tanker, 2,500 Gal. | \$29.70 | 1 | \$29.70 | \$29.70 |

Subtotals: **\$29.70** **\$29.70**

EQUIPMENT HAUL DISTANCE and Time

| | | |
|--|------------|-------|
| Nearest Major City or Town within project area region: | CAÑON CITY | |
| Total one-way travel distance: | 30.00 | miles |
| Average Travel Speed: | 40.00 | mph |

| | |
|-------------------------------------|------------|
| Total Non-Roadable Mob/Demob Cost * | \$4,837.08 |
| ** two round trips with haul rig: | |
| Total Roadable Mob/Demob Cost ** | \$44.55 |
| ** one round trip, no haul rig: | |

Transportation Cycle Time:

| | Non-Roadable Equipment | Roadable Equipment |
|-------------------------|------------------------|--------------------|
| Haul Time (Hours): | 0.75 | 0.75 |
| Return Time (Hours): | 0.75 | 0.75 |
| Loading Time (Hours): | 0.25 | NA |
| Unloading Time (Hours): | 0.25 | NA |
| Subtotals: | 2.00 | 1.50 |

JOB TIME AND COST

| | | |
|-----------------|------|-------|
| Total job time: | 4.00 | Hours |
|-----------------|------|-------|

| | |
|-----------------|---------|
| Total job cost: | \$4,882 |
|-----------------|---------|

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: Mob / Demob (site wide)Site: Tallahassee ProjectPermit Action: InitialPermit/Job#: P2021019**PROJECT IDENTIFICATION**Task #: 061State: ColoradoAbbreviation: NoneDate: 2/14/2022County: FremontFilename: P019-061User: TC1Agency or organization name: DRMS**EQUIPMENT TRANSPORT RIG COST**Shift basis: 1 per dayCost Data Source: CRG DataTruck 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 |
|---|---------------------------|-----------------------------|--------------------------|---------------|--------------------------------|-------------------------------|---------------------------|
| ATLAS COPCO ROC D9-11,4.5 in. | 0.00 | \$108.07 | \$68.37 | 1 | \$176.44 | \$68.37 | \$250.00 |
| Cat D6T LGP | 26.87 | \$66.27 | \$132.49 | 1 | \$198.76 | \$132.49 | \$250.00 |
| CAT 450E | 9.80 | \$52.59 | \$68.37 | 1 | \$120.96 | \$68.37 | \$250.00 |
| CAT 120M | 15.53 | \$50.37 | \$68.37 | 1 | \$118.74 | \$68.37 | \$250.00 |
| Drill/Broadcast Seeder with Tractor | 25.00 | \$7.98 | \$68.37 | 1 | \$76.35 | \$68.37 | \$250.00 |

Subtotals: **\$691.25** **\$405.97** **\$1,250.00****ROADABLE EQUIPMENT:**

| Machine Description | Total Cost/hr/ unit | Fleet Size | Haul Trip Cost/hr/ fleet | Return Trip Cost/hr/ fleet |
|--------------------------|------------------------|------------|-----------------------------|-------------------------------|
| Water Tanker, 2,500 Gal. | \$29.70 | 1 | \$29.70 | \$29.70 |

Subtotals: **\$29.70** **\$29.70**

EQUIPMENT HAUL DISTANCE and Time

| | | |
|--|-------------------|-------|
| Nearest Major City or Town within project area region: | <u>INTRA-SITE</u> | |
| Total one-way travel distance: | <u>5.00</u> | miles |
| Average Travel Speed: | <u>15.00</u> | mph |

| | |
|-------------------------------------|-------------------|
| Total Non-Roadable Mob/Demob Cost * | <u>\$3,922.73</u> |
| ** two round trips with haul rig: | |
| Total Roadable Mob/Demob Cost ** | <u>\$19.80</u> |
| ** one round trip, no haul rig: | |

Transportation Cycle Time:

| | Non-Roadable Equipment | Roadable Equipment |
|-------------------------|------------------------|--------------------|
| Haul Time (Hours): | <u>0.33</u> | <u>0.33</u> |
| Return Time (Hours): | <u>0.33</u> | <u>0.33</u> |
| Loading Time (Hours): | <u>0.25</u> | <u>NA</u> |
| Unloading Time (Hours): | <u>0.25</u> | <u>NA</u> |
| Subtotals: | <u>1.17</u> | <u>0.67</u> |

JOB TIME AND COST

Total job time: 2.33 Hours

Total job cost: \$3,943