

STATE OF COLORADO

DIVISION OF RECLAMATION, MINING AND SAFETY
Department of Natural Resources

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John W. Hickenlooper
Governor

Mike King
Executive Director

Loretta E. Pineda
Director

June 4, 2012

Randy McClure
Rio Grande Silver, Inc.
PO Box 610
Creede, CO 81130

Re: Financial Warranty Reduction (SR-1), North Amethyst Project, File No. P-2010-007

Dear Mr. McClure

On May 24, 2012 the Division performed an inspection to assess the amount of completed reclamation at the above-named project. (The Division's inspection report will be mailed under separate cover.)

Based on observations of which reclamation tasks remain to be completed, the Division has recalculated the required bond amount that must remain posted for this project. The breakdown of those costs is shown in the enclosed packet. Please review these figures and contact me if you see any errors or omissions.

On June 4, 2012, the Division approved the financial warranty reduction request for the above prospect.

The financial warranty currently posted for this project is a Statewide prospecting bond: Safeco surety no. 6575235, in the amount of \$44,368. The Division's recalculated reclamation costs indicate that the amount of bond required may be reduced to \$8,202. This is a reduction of \$36,166.

The Division appreciates the reclamation that Rio Grande Silver has performed to-date. Please contact me if you have any questions.

Sincerely,

A handwritten signature in black ink that reads "Bob Oswald". The signature is written in a cursive, flowing style.

Bob Oswald
Environmental Protection Specialist

Encl: Reclamation cost recalculation, 6/2/12.

Ec(w/encl): Steve Shuey, Grand Junction DRMS
Barbara Coria, Denver DRMS

(c:\12-06 docs\N Amy Proj SR-1 appr\rc)

COST SUMMARY WORK

Task description: Cost summary

Site: North Amethyst Project

Permit Action: SR-1

Permit/Job#: P2010007

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 6/2/2012

County: Mineral

Filename: P007-000

User: RCO

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

| Task | Description | Form Used | Fleet Size | Task Hours | Cost |
|--------------------------|---|-----------|------------|--------------|----------------------|
| 001 | Backfill pad sumps (3 per pad, on 2 pads) | DOZER | 1 | 0.94 | \$146.76 |
| 002 | Pull up material for recontouring pads (2) | EXCAVATE | 1 | 4.65 | \$508.00 |
| 003 | Recontour grading of pad areas (2) | DOZER | 1 | 8.28 | \$1,294.73 |
| 004 | Pull material onto access road for recontouring | EXCAVATE | 1 | 0.49 | \$53.00 |
| 005 | Recontour grading of access road | DOZER | 1 | 0.69 | \$107.19 |
| 006 | Rip compaction on roads and pads | RIPPER | 1 | 0.80 | \$125.00 |
| 007 | Respread topsoil on pads (2) and access road (300 LF) | DOZER | 1 | 2.44 | \$380.85 |
| 008 | Revegetate remaining areas | REVEGE | 1 | 8.00 | \$902.56 |
| 009 | Haul reclamation equipment to and from site | MOBILIZE | 1 | 6.50 | \$2,445.11 |
| <u>SUBTOTALS:</u> | | | | 32.79 | \$ \$5,963.20 |

INDIRECT COSTS

OVERHEAD AND PROFIT:

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

Total = \$120.46
Total = \$62.61
Total = \$593.00
Total = \$596.32

TOTAL O & P = \$1,372.39

CONTRACT AMOUNT (direct + O & P) = \$7,335.59

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): 500.00
Engineering work and/or contract/bid preparation: 0.00
Reclamation management and/or administration: 5.00

Total = 500.00
Total = \$0.00
Total = \$366.78

CONTINGENCY: 0.00 Total = \$0.00

TOTAL INDIRECT COST = \$2,239.17

TOTAL BOND AMOUNT (direct + indirect) = \$8,202.37

BULLDOZER WORKTask description: Backfill pad sumps (3 per pad, on 2 pads)Site: North Amethyst ProjectPermit Action: SR-1Permit/Job#: P2010007**PROJECT IDENTIFICATION**Task #: 001State: ColoradoAbbreviation: NoneDate: 6/2/2012County: MineralFilename: P007-001User: RCOAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D6T LGPHorsepower: 200Blade Type: StraightAttachment: 3-shank ripperShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

| | | <u>Utilization %</u> |
|-----------------------|---------|----------------------|
| Ownership Cost/Hour: | \$49.25 | NA |
| Operating Cost/Hour: | \$68.58 | 100 |
| Ripper op. Cost/Hour: | \$0.00 | 0 |
| Operator Cost/Hour: | \$38.49 | NA |

Total unit Cost/Hour: \$0.00Total Fleet Cost/Hour: \$156.32**MATERIAL QUANTITIES**Initial Volume: 133Swell factor: 1.165Loose volume: 155 LCYSource of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 50 feetUnadjusted hourly production: 444.6 LCY/hrMaterials consistency description: Consolidated stockpile 1.0Average push gradient: 0 %Average site altitude: 11,600 feetMaterial weight: 2,900 lbs/LCYWeight description: Decomposed rock - 50% Rock, 50% Earth**Job Condition Correction Factor**

| | | <u>Source</u> |
|-----------------------|-------|---------------|
| Operator Skill: | 0.750 | (AVG.) |
| 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: | 1.000 | (CAT HB) |
| Altitude: | 0.940 | (CAT HB) |
| Material Weight: | 0.793 | (CAT HB) |
| Blade type: | 1.000 | (PAT) |

Net correction: 0.3712

Adjusted unit production: 165.04 LCY/hr
Adjusted fleet production: 165.04 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.947/LCY

Total job time: 0.94 Hours
Total job cost: \$146.76

No cost adjustment needed for whether sump liners are breached and buried, or removed from site.

HYDRAULIC EXCAVATOR WORK

Task description: Pull up material for recontouring pads (2)

Site: North Amethyst Project

Permit Action: SR-1

Permit/Job#: P2010007

PROJECT IDENTIFICATION

Task #: 002

State: Colorado

Abbreviation: None

Date: 6/2/2012

County: Mineral

Filename: P007-002

User: RCO

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat 320D L 9'-6" Stick

Attachment 1: ROPS Cab

Horsepower: 148

Weight (MT): 21.55

Shift Basis: 1 per day

Data Source: (CRG)

Cost Breakdown:

| | | Utilization % |
|------------------------|----------|---------------|
| Ownership Cost/Hour: | \$24.63 | NA |
| Operating Cost/Hour: | \$45.70 | 100 |
| Operator Cost/Hour: | \$38.67 | NA |
| Total Unit Cost/Hour: | \$109.00 | |
| Total Fleet Cost/Hour: | \$109.00 | |

MATERIAL QUANTITIES

Initial volume: 940

CCY

Swell factor: 1.000

Loose volume: 940

LCY

Source of estimated volume: Division of Reclamation, Mining & Safety

Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Excavator Cycle Time (load bucket, swing loaded, dump bucket, swing empty):

Basic Job Condition Description: AVERAGE

Secondary Job Condition within Basic Description: AVERAGE

Cycle Time Value: 0.284 minutes

Load Bucket Capacity

Bucket Size Class: Medium

Rated Capacity: 1.54 LCY (heaped)

Bucket Fill Factor: 0.900 Other - soil, boulders, roots (80 -100%) 0.900

Adjusted Capacity: 1.39 LCY

Job Condition Correction Factors

Site Altitude: 11600 feet

| | | |
|-----------------|------|--------------------|
| Altitude Adj: | 0.83 | Source (CAT HB) |
| Job Efficiency: | 0.83 | (1 shift/day) |
| Net Correction: | 0.69 | multiplier |

Unadjusted Hourly Unit Production: 292.82 LCY/Hour

Adjusted Hourly Unit Production: 201.72 LCY/Hour

Adjusted Hourly Fleet Production: 201.72 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Excavator Total job time: 4.66 Hours

Unit cost: \$0.540 /LCY Total job cost: \$508.00

BULLDOZER WORKTask description: Recontour grading of pad areas (2)Site: North Amethyst ProjectPermit Action: SR-1Permit/Job#: P2010007**PROJECT IDENTIFICATION**Task #: 003State: ColoradoAbbreviation: NoneDate: 6/2/2012County: MineralFilename: P007-003User: RCOAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D6T LGPHorsepower: 200Blade Type: StraightAttachment: 3-shank ripperShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

| | | <u>Utilization %</u> |
|-----------------------|---------|----------------------|
| Ownership Cost/Hour: | \$49.25 | NA |
| Operating Cost/Hour: | \$68.58 | 100 |
| Ripper op. Cost/Hour: | \$0.00 | 0 |
| Operator Cost/Hour: | \$38.49 | NA |

Total unit Cost/Hour: \$0.00Total Fleet Cost/Hour: \$156.32**MATERIAL QUANTITIES**Initial Volume: 807Swell factor: 1.165Loose volume: 940 LCYSource of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 50 feetUnadjusted hourly production: 444.6 LCY/hrMaterials consistency description: Consolidated stockpile 1.0Average push gradient: 10 %Average site altitude: 11,600 feetMaterial weight: 2,900 lbs/LCYWeight description: Decomposed rock - 50% Rock, 50% Earth**Job Condition Correction Factor**

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

| | | |
|------------------|-------|---------------|
| Visibility: | 1.000 | (AVG.) |
| Job efficiency: | 0.830 | (1 SHIFT/DAY) |
| Spoil pile: | 0.700 | (FND-MF) |
| Push gradient: | 0.786 | (CAT HB) |
| Altitude: | 0.940 | (CAT HB) |
| Material Weight: | 0.793 | (CAT HB) |
| Blade type: | 1.000 | (PAT) |

Net correction: 0.2553

Adjusted unit production: 113.51 LCY/hr

Adjusted fleet production: 113.51 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$1.377/LCY

Total job time: 8.28 Hours

Total job cost: \$1,294.73

Volume estimated for approx 1-ft average depth.

HYDRAULIC EXCAVATOR WORK

Task description: Pull material onto access road for recontouring

Site: North Amethyst Project

Permit Action: SR-1

Permit/Job#: P2010007

PROJECT IDENTIFICATION

Task #: 004

State: Colorado

Abbreviation: None

Date: 6/2/2012

County: Mineral

Filename: P007-004

User: RCO

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat 320D L 9'-6" Stick

Attachment 1: ROPS Cab

Horsepower: 148

Weight (MT): 21.55

Shift Basis: 1 per day

Data Source: (CRG)

Cost Breakdown:

| | | Utilization % |
|------------------------|----------|---------------|
| Ownership Cost/Hour: | \$24.63 | NA |
| Operating Cost/Hour: | \$45.70 | 100 |
| Operator Cost/Hour: | \$38.67 | NA |
| Total Unit Cost/Hour: | \$109.00 | |
| Total Fleet Cost/Hour: | \$109.00 | |

MATERIAL QUANTITIES

Initial volume: 99

CCY

Swell factor: 1.000

Loose volume: 99

LCY

Source of estimated volume: Division of Reclamation, Mining & Safety

Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Excavator Cycle Time (load bucket, swing loaded, dump bucket, swing empty):

Basic Job Condition Description: AVERAGE

Secondary Job Condition within Basic Description: AVERAGE

Cycle Time Value: 0.284 minutes

Load Bucket Capacity

Bucket Size Class: Medium

Rated Capacity: 1.54 LCY (heaped)

Bucket Fill Factor: 0.900 Other - soil, boulders, roots (80 -100%) 0.900

Adjusted Capacity: 1.39 LCY

Job Condition Correction Factors

Site Altitude: 11600 feet

| | | |
|-----------------|------|---------------|
| | | Source |
| Altitude Adj: | 0.83 | (CAT HB) |
| Job Efficiency: | 0.83 | (1 shift/day) |
| Net Correction: | 0.69 | multiplier |

Unadjusted Hourly Unit Production: 292.82 LCY/Hour

Adjusted Hourly Unit Production: 201.72 LCY/Hour

Adjusted Hourly Fleet Production: 201.72 LCY/Hour

JOB TIME AND COST

Fleet size: 1

Excavator

Total job time: 0.49

Hours

Unit cost: \$0.540 /LCY

Total job cost: \$53.00

Cost includes handling slash.

BULLDOZER WORKTask description: Recontour grading of access roadSite: North Amethyst ProjectPermit Action: SR-1Permit/Job#: P2010007**PROJECT IDENTIFICATION**Task #: 005State: ColoradoAbbreviation: NoneDate: 6/2/2012County: MineralFilename: P007-005User: RCOAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D6T LGPHorsepower: 200Blade Type: StraightAttachment: 3-shank ripperShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

| | | <u>Utilization %</u> |
|-----------------------|---------|----------------------|
| Ownership Cost/Hour: | \$49.25 | NA |
| Operating Cost/Hour: | \$68.58 | 100 |
| Ripper op. Cost/Hour: | \$0.00 | 0 |
| Operator Cost/Hour: | \$38.49 | NA |

Total unit Cost/Hour: \$0.00Total Fleet Cost/Hour: \$156.32**MATERIAL QUANTITIES**Initial Volume: 85Swell factor: 1.165Loose volume: 99 LCYSource of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 50 feetUnadjusted hourly production: 444.6 LCY/hrMaterials consistency description: Consolidated stockpile 1.0Average push gradient: 0 %Average site altitude: 11,600 feetMaterial weight: 2,900 lbs/LCYWeight description: Decomposed rock - 50% Rock, 50% Earth**Job Condition Correction Factor**

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

| | | |
|------------------|-------|---------------|
| Visibility: | 1.000 | (AVG.) |
| Job efficiency: | 0.830 | (1 SHIFT/DAY) |
| Spoil pile: | 0.700 | (FND-MF) |
| Push gradient: | 1.000 | (CAT HB) |
| Altitude: | 0.940 | (CAT HB) |
| Material Weight: | 0.793 | (CAT HB) |
| Blade type: | 1.000 | (PAT) |

Net correction: 0.3248

Adjusted unit production: 144.41 LCY/hr
Adjusted fleet production: 144.41 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$1.082/LCY

Total job time: 0.69 Hours
Total job cost: \$107.19

Volume is estimated for grading the last remaining 300 feet of access road.

BULLDOZER RIPPING WORK

Task description: Rip compaction on roads and pads

Site: North Amethyst Project

Permit Action: SR-1

Permit/Job#: P2010007

PROJECT IDENTIFICATION

Task #: 006

State: Colorado

Abbreviation: None

Date: 6/2/2012

County: Mineral

Filename: P007-006

User: RCO

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D6T LGP

Horsepower: 200

Ripper Attachment: 3-Shank Ripper

Shift Basis: 1 per day

Data Source: (CRG)

Cost Breakdown:

| | | Utilization % |
|-----------------------------|-----------------|---------------|
| Ownership Cost/Hour: | <u>\$49.25</u> | <u>NA</u> |
| Operating Cost/Hour: | <u>\$68.58</u> | <u>100</u> |
| Ripper Operating Cost/Hour: | <u>\$0.00</u> | <u>100</u> |
| Operator Cost/Hour: | <u>\$38.49</u> | <u>NA</u> |
| Total Unit Cost/Hour: | <u>\$156.32</u> | |
| Total Fleet Cost/Hour: | <u>\$156.32</u> | |

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 0.45 acres Rip Depth (ft): 1.00 Volume: 726 BCY or CCY

Source of estimated quantity: SR-1 calculations.

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

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

Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.719 Acres/hr
Site Altitude: 11,600 feet
Altitude Adj: 0.94 (CAT HB)
Job Efficiency: 0.83 (1 shift/day)
Net Correction: 0.78 multiplier
Adjusted Hourly Unit Production: 0.56 Acres/hr
Adjusted Hourly Fleet Production: 0.56 Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 0.80 Hours

Unit cost: \$278.843 Per acre Total job cost: \$125.00

BULLDOZER WORKTask description: Respread topsoil on pads (2) and access road (300 LF)Site: North Amethyst ProjectPermit Action: SR-1Permit/Job#: P2010007**PROJECT IDENTIFICATION**Task #: 007State: ColoradoAbbreviation: NoneDate: 6/2/2012County: MineralFilename: P007-007User: RCOAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D6T LGPHorsepower: 200Blade Type: StraightAttachment: 3-shank ripperShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

| | | <u>Utilization %</u> |
|-----------------------|---------|----------------------|
| Ownership Cost/Hour: | \$49.25 | NA |
| Operating Cost/Hour: | \$68.58 | 100 |
| Ripper op. Cost/Hour: | \$0.00 | 0 |
| Operator Cost/Hour: | \$38.49 | NA |

Total unit Cost/Hour: \$0.00Total Fleet Cost/Hour: \$156.32**MATERIAL QUANTITIES**Initial Volume: 302Swell factor: 1.165Loose volume: 352 LCYSource of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 50 feetUnadjusted hourly production: 444.6 LCY/hrMaterials consistency description: Consolidated stockpile 1.0Average push gradient: 0 %Average site altitude: 11,600 feetMaterial weight: 2,900 lbs/LCYWeight description: Decomposed rock - 50% Rock, 50% Earth**Job Condition Correction Factor**

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

| | | |
|------------------|-------|---------------|
| Visibility: | 1.000 | (AVG.) |
| Job efficiency: | 0.830 | (1 SHIFT/DAY) |
| Spoil pile: | 0.700 | (FND-MF) |
| Push gradient: | 1.000 | (CAT HB) |
| Altitude: | 0.940 | (CAT HB) |
| Material Weight: | 0.793 | (CAT HB) |
| Blade type: | 1.000 | (PAT) |

Net correction: 0.3248

Adjusted unit production: 144.41 LCY/hr

Adjusted fleet production: 144.41 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$1.082/LCY

Total job time: 2.44 Hours
Total job cost: \$380.85

REVEGETATION WORKTask description: Revegetate remaining areasSite: North Amethyst ProjectPermit Action: SR-1Permit/Job#: P2010007**PROJECT IDENTIFICATION**Task #: 008
Date: 6/2/2012
User: RCOState: Colorado
County: MineralAbbreviation: None
Filename: P007-008Agency 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) | \$145.20 |
| Total Tilling Cost/Acre | \$145.20 |

SEEDING

| Seed Mix | Rate – PLS LBS / Acre | Seeds per SQ. FT | Cost /Acre |
|-------------------------------|--------------------------------|------------------------|-----------------|
| Mountain Brome - Bromar | 3.90 | 6.27 | \$12.99 |
| Slender Wheatgrass - San Luis | 4.40 | 16.06 | \$15.97 |
| Streambank Wheatgrass - Sodar | 2.30 | 7.50 | \$9.48 |
| Fireweed | 0.26 | 47.06 | \$74.88 |
| Totals Seed Mix | 10.86 | 76.89 | \$113.32 |

Application

| Description | Cost /Acre |
|-------------------------|------------|
| Broadcast seeding [DMG] | \$255.76 |

| | |
|----------------------------------|----------|
| Total Seed Application Cost/Acre | \$255.76 |
|----------------------------------|----------|

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: | 1.35 | Cost /Acre: | \$514.28 |
| Estimated Failure Rate: | 30% | Cost /Acre*: | \$514.28 |
| *Selected Replanting Work Items: | TILLING, SEEDING | | |
| Initial Job Cost: | \$694.28 | | |
| Reseeding Job Cost: | \$208.28 | | |
| Total Job Cost: | \$902.56 | | |
| Job Hours: | 8.00 | | |

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: Haul reclamation equipment to and from siteSite: North Amethyst ProjectPermit Action: SR-1Permit/Job#: P2010007**PROJECT IDENTIFICATION**Task #: 009State: ColoradoAbbreviation: NoneDate: 6/2/2012County: MineralFilename: P007-009User: RCOAgency 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: | \$16.63 | \$18.37 | \$22.33 |
| Operating Cost/Hour: | \$44.38 | \$46.13 | \$50.07 |
| Operator Cost/Hour: | \$27.66 | \$27.66 | \$27.66 |
| Helper Cost/Hour: | \$0.00 | \$25.39 | \$25.39 |
| Total Unit Cost/Hour: | \$88.67 | \$117.55 | \$125.45 |

NON ROADABLE EQUIPMENT:

| Machine Description | Weight/ Unit (TONS) | Owner ship Cost/hr/ unit | Haul Rig Cost/hr/unit | Fleet Size | Haul Trip Cost/hr/ fleet | Return Trip Cost/hr/ fleet | DOT Permit Cost/ fleet |
|---------------------------|---------------------------|-----------------------------|--------------------------|---------------|--------------------------------|-------------------------------|---------------------------|
| Cat D6T LGP | 28.63 | \$0.00 | \$117.55 | 1 | \$117.55 | \$117.55 | \$250.00 |
| Cat 320D L 9'-6" Stick | 23.70 | \$24.63 | \$88.67 | 1 | \$113.30 | \$88.67 | \$250.00 |

Subtotals: **\$230.85** **\$206.22** **\$500.00****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: | DEL NORTE | |
| Total one-way travel distance: | 45.00 | miles |
| Average Travel Speed: | 40.00 | mph |

| | |
|-------------------------------------|------------|
| Total Non-Roadable Mob/Demob Cost * | \$2,445.11 |
| ** two round trips with haul rig: | |
| Total Roadable Mob/Demob Cost ** | \$0.00 |
| ** one round trip, no haul rig: | |

Transportation Cycle Time:

| | Non-Roadable Equipment | Roadable Equipment |
|-------------------------|---------------------------|-----------------------|
| Haul Time (Hours): | 1.13 | 1.13 |
| Return Time (Hours): | 1.13 | 1.13 |
| Loading Time (Hours): | 0.50 | NA |
| Unloading Time (Hours): | 0.50 | NA |
| Subtotals: | 3.25 | 2.25 |

JOB TIME AND COST

| | | |
|-----------------|------|-------|
| Total job time: | 6.50 | Hours |
|-----------------|------|-------|

| | |
|-----------------|------------|
| Total job cost: | \$2,445.11 |
|-----------------|------------|