

COST SUMMARY WORK

Task description: Cost Summary

Site: Yellow Pine Mine

Permit Action: New App

Permit/Job#: P2025013

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 9/3/2025

County: Lake

Filename: P013-000

User: LJW

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Cut off Culvert casing below ground level	BOREHOLE	1	3.00	\$47
002a	Backfill Shaft	EXCAVATE	1	5.00	\$785
003	Mobilize Reclamation crew	MOBILIZE	1	2.22	\$799
<u>SUBTOTALS:</u>				10.22	\$1,631

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$33

Performance bond: 1.05

Total = \$17

Job superintendent: 0.00

Total = \$0

Profit: 10.00

Total = \$163

TOTAL O & P = \$213

CONTRACT AMOUNT (direct + O & P) = \$1,844

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

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

Total = \$0

Engineering work and/or contract/bid preparation: 0.00

Total = \$0

Reclamation management and/or administration: 5.00

\$92

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$305

TOTAL BOND AMOUNT (direct + indirect) = \$1,936

BOREHOLE SEALING WORK

Task description: Cut off Culvert casing below ground level

Site: Yellow Pine Mine

Permit Action: New App

Permit/Job#: P2025013

PROJECT IDENTIFICATION

Task #: 001

State: Colorado

Abbreviation: None

Date: 9/3/2025

County: Lake

Filename: P013-001

User: LJW

Agency or organization name: DRMS

UNIT COSTS

Borehole Description	Sealing/Item Method	Diameter	Length	Quantity	Unit	Unit Cost	Total Cost
5 ft culvert	Exposed casing removal - Calculate Circumference in Linear Feet	60	NA	15.70	LF	\$2.97	\$46.63

Job Hours: 3.00

Total Cost: \$47.00

HYDRAULIC EXCAVATOR WORK

Task description: Backfill Shaft

Site: Yellow Pine Mine

Permit Action: New App

Permit/Job#: P2025013

PROJECT IDENTIFICATION

Task #: 002A

State: Colorado

Abbreviation: None

Date: 9/3/2025

County: Lake

Filename: P013-002a

User: LJW

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

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

Horsepower: 148

Attachment 1: ROPS Cab

Weight (MT): 21.55

Shift Basis: 1 per day

Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$60.46</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$37.10</u>	<u>100</u>
Operator Cost/Hour:	<u>\$59.31</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$156.87</u>	
Total Fleet Cost/Hour:	<u>\$156.87</u>	

MATERIAL QUANTITIES

Initial volume: 981

CCY

Swell factor: 1.000

Loose volume: 981

LCY

Source of estimated volume: 5'ft diameter, 25ft deep = 981 CY

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: 0.875 Loose material - 1/2" to 3/4" (85 - 90%) 0.875

Adjusted Capacity: 1.35 LCY

Job Condition Correction Factors

Site Altitude: 10700 feet

		Source
Altitude Adj:	<u>0.83</u>	<u>(CAT HB)</u>
Job Efficiency:	<u>0.83</u>	<u>(1 shift/day)</u>
Net Correction:	<u>0.69</u>	<u>multiplier</u>

Unadjusted Hourly Unit Production: 284.68 LCY/Hour

Adjusted Hourly Unit Production: 196.12 LCY/Hour

Adjusted Hourly Fleet Production: 196.12 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Excavator Total job time: 5.00 Hours

Unit cost: \$0.800 /LCY Total job cost: \$785

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Mobilize Reclamation crew**Site: **Yellow Pine Mine**Permit Action: **New App**Permit/Job#: **P2025013****PROJECT IDENTIFICATION**Task #: **003**State: **Colorado**Abbreviation: **None**Date: **9/3/2025**County: **Lake**Filename: **P013-003**User: **LJW**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:	\$21.47	\$38.32	\$48.96
Operating Cost/Hour:	\$31.47	\$60.11	\$65.86
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52
Helper Cost/Hour:	\$0.00	\$22.25	\$22.25
Total Unit Cost/Hour:	\$75.46	\$143.20	\$159.59

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 320D L 9'-6" Stick	23.70	\$60.46	\$75.46	1	\$135.92	\$75.46	\$250.00

Subtotals: **\$135.92** **\$75.46** **\$250.00****ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 3/4 T.	\$22.72	1	\$22.72	\$22.72

Subtotals: **\$22.72** **\$22.72**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: LEADVILLE
 Total one-way travel distance: 2.00 miles
 Average Travel Speed: 35.00 mph

Total Non-Roadable Mob/Demob Cost * \$796.00
 ** two round trips with haul rig:
 Total Roadable Mob/Demob Cost ** \$2.60
 ** one round trip, no haul rig:

Transportation Cycle Time:

	Non- Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.06	0.06
Return Time (Hours):	0.06	0.06
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.11	0.11

JOB TIME AND COST

Total job time: 2.23 Hours

Total job cost: \$799