COST SUMMARY WORK

Task description: **2025-06-11 Estimate**

Site: **JD-7 Pit Drilling** Permit Action: 2025-06-11 Estimate Permit/Job#: P2025009

PROJECT IDENTIFICATION

Task #: 000 State: Colorado Abbreviation: None
Date: 6/11/2025 County: Montrose Filename: P009-000
User: DMC

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Seal twenty (400' x 6") drill holes	BOREHOLE	1	80.00	$77,459
02a	Backfill mud pits, regrade drill pads	DOZER	1	9.18	$1,924
03a	Mobilize reclamation crew and equipment	MOBILIZE	1	3.33	$1,184
	SUBTOTALS:			**92.51**	**$80,567**

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	$1,627
Performance bond:	1.05	Total =	$846
Job superintendent:	46.26	Total =	$3,667
Profit:	10.00	Total =	$8,057
		TOTAL O & P =	$14,197
		CONTRACT AMOUNT (direct + O & P) =	$94,764

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	$500	Total =	$500
Engineering work and/or contract/bid preparation:	0.00	Total =	$0
Reclamation management and/or administration:	5.00		$4,738
CONTINGENCY:	0.00	Total =	$0
		TOTAL INDIRECT COST =	$19,435
		TOTAL BOND AMOUNT (direct + indirect) =	**$100,002**

BOREHOLE SEALING WORK

Task description: **Seal twenty (400’ x 6”) drill holes**

Site: **JD-7 Pit Drilling** Permit Action: 2025-06-11 Estimate Permit/Job#: P2025009

PROJECT IDENTIFICATION

Task #: 01A State: Colorado Abbreviation: None
Date: 6/11/2025 County: Montrose Filename: P009-01a
User: DMC

Agency or organization name: DRMS

UNIT COSTS

Borehole Description	Sealing/Item Method	Diameter	Length	Quantity	Unit	Unit Cost	Total Cost
Borehole (20 holes x 400')	Portland cement grout - 6 in. (labor, equip, materials)	6	400	8,000.00	LF	$9.68	$77,459.20

Job Hours: **80.00** **Total Cost**: **$77,459.00**

BULLDOZER WORK

Task description: **Backfill mud pits, regrade drill pads**

Site: **JD-7 Pit Drilling** Permit Action: 2025-06-11 Estimate Permit/Job#: P2025009

PROJECT IDENTIFICATION

Task #:	02A	State:	Colorado	Abbreviation:	None
Date:	6/11/2025	County:	Montrose	Filename:	P009-02a
User:	DMC				

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine:	Cat D6T LGP
Horsepower:	200
Blade Type:	Straight
Attachment:	NA
Shift Basis:	1 per day
Data Source:	(CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	$99.72	NA
Operating Cost/Hour:	$71.22	100
Ripper own. Cost/Hour:	$0.00	NA
Ripper op. Cost/Hour:	$0.00	0
Operator Cost/Hour:	$38.59	NA

Total unit Cost/Hour: $209.53
Total Fleet Cost/Hour: **$209.53**

MATERIAL QUANTITIES

Initial Volume:	2,200
Swell factor:	1.000
Loose volume:	**2,200** LCY

Source of estimated volume: Division of Reclamation, Mining & Safety
Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 50 feet
Unadjusted hourly production: 444.6 LCY/hr

Materials consistency description: Loose stockpile 1.2

Average push gradient: 0 %
Average site altitude: 5,800 feet

Material weight: 2,550 lbs/LCY

Weight description: Earth - Dry packed

Job Condition Correction Factor		Source
Operator Skill:	0.750	(AVG.)
Material consistency:	1.200	(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:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.5390

Adjusted unit production: 239.64 LCY/hr
Adjusted fleet production: **239.64** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: $0.874/LCY

Total job time: **9.18** Hours
Total job cost: **$1,924**

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: **Mobilize reclamation crew and equipment**

Site: **JD-7 Pit Drilling** Permit Action: 2025-06-11 Estimate Permit/Job#: P2025009

PROJECT IDENTIFICATION

Task #: 03A State: Colorado Abbreviation: None
Date: 6/11/2025 County: Montrose Filename: P009-03a
User: DMC

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:	$10.44	$22.18	$23.94
Operating Cost/Hour:	$26.48	$54.55	$55.65
Operator Cost/Hour:	$22.52	$22.52	$22.52
Helper Cost/Hour:	$0.00	$23.53	$23.53
Total Unit Cost/Hour:	$59.44	$122.78	$125.64

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	26.87	$99.72	$122.78	1	$222.50	$122.78	$250.00
Subtotals:					**$222.50**	**$122.78**	**$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.	$13.77	1	$13.77	$13.77
Subtotals:			**$13.77**	**$13.77**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	NUCLA	
Total one-way travel distance:	15.00	miles
Average Travel Speed:	45.00	mph
Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig:	$1,175.19	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	$9.18	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.33	0.33
Return Time (Hours):	0.33	0.33
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.67	0.67

JOB TIME AND COST

Total job time:	**3.33**	Hours
Total job cost:	**$1,184**	