COLORADO
Division of Reclamation, Mining and Safety
Department of Natural Resources

May 8, 2025

Zane Luttrell
Gunnison Aggregate Resources, LLC
23625 Uncompahgre Road
Montrose , CO 81403

Re: Dickerson Pit - File No. M-1978-305
Gunnison Aggregate Resources, LLC
Surety Increase (SI-1)
Increase FW to $83,765

Dear Zane Luttrell:

On May 8, 2025 the Division of Reclamation, Mining and Safety increased the current Financial Warranty requirement for this permit to $83,765.00, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of $17,247.00 over the amount currently held ($66,518).

The Division ordered amendment of the current Financial Warranty or submittal of a new Financial Warranty reflecting the increase is due **within 60 days**.

Please make arrangements with Sara M. Stevenson-Benn at the Division's Denver office for submittal of the financial warranty. Any other questions regarding completion, execution and/or submittal of financial warranty forms should also be directed to Sara M. Stevenson-Benn by telephone at (303) 866-3567, or by email at Sara.stevenson-benn@state.co.us.

The Permittee for this site may be scheduled for a Formal Board Hearing for possible revocation of the permit if the amount of any increased Financial Warranty has not been provided by July 7, 2025.

If you have any questions, please contact me by telephone at (970) 433-8393, or by email at Dustin.czapla@state.co.us.

Sincerely,

Dustin M. Czapla
Environmental Protection Specialist

COST SUMMARY WORK

Task description:

Site: **Dickerson Pit** Permit Action: 2024-12-19 Permit/Job#: M1978305

PROJECT IDENTIFICATION

Task #: 000 State: Colorado Abbreviation: None
Date: 12/19/2024 County: Gunnison Filename: M305-000
User: DMC

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Demolition of structures and debris	DEMOLISH	1	10.00	$1,670
02a	Push HW down to 2H:1V	DOZER	1	45.21	$21,897
03a	Rip compacted pit floor and access roads	RIPPER	1	5.59	$2,712
04a	Rough grade pit floor/ripped areas	DOZER	1	8.53	$4,130
05a	Transport OB/Growth Medium from stockpiles	LOADER	1	39.38	$6,193
06a	Spread OB/Growth Medium	DOZER	1	4.96	$2,264
07a	Revegetate affected area	REVEGE	1	10.00	$23,374
08a	Mobilize reclamation crew/equipment	MOBILIZE	1	2.80	$3,460
			SUBTOTALS:	**126.47**	**$65,700**

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	$1,327
Performance bond:	1.05	Total =	$690
Job superintendent:	63.24	Total =	$5,013
Profit:	10.00	Total =	$6,570
		TOTAL O & P =	$13,600
		CONTRACT AMOUNT (direct + O & P) =	$79,300

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		$3,965
CONTINGENCY:	0.00	Total =	$0
		TOTAL INDIRECT COST =	$18,065
		TOTAL BOND AMOUNT (direct + indirect) =	**$83,765**

DEMOLITION WORK

Task description: **Demolition of structures and debris**

Site: **Dickerson Pit** Permit Action: 2024-12-19 Permit/Job#: M1978305

PROJECT IDENTIFICATION

Task #: 01A State: Colorado Abbreviation: None
Date: 12/19/2024 County: Gunnison Filename: 01a
User: DMC

Agency or organization name: DRMS

UNIT COSTS **Location adjustment: 91.30 %**

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Scale	30' x 10' x 3'	Loading and 5 mile haul, salvage allowed - Steel frame structures	33.00	CY	$13.75	$453.75
Scale-concrete end supports	10' x 20' x 1'	Loading and 5 mile haul, salvage allowed - Concrete frame structures	7.00	CY	$16.20	$113.40
Scale house	10' x 8' x 8'	Loading and 5 mile haul, salvage allowed - Wood frame structures	24.00	CY	$23.95	$574.80
Misc. debris/ old equipment	na	Loading and 5 mile haul, salvage allowed - Steel frame structures	50.00	CY	$13.75	$687.50

Job Hours: **10.00** **Subtotal (unadjusted):** **$1,829.45** **Total Cost (adjusted for location):** **$1,670.29**

BULLDOZER WORK

Task description: **Push HW down to 2H:1V**

Site: **Dickerson Pit** Permit Action: 2024-12-19 Permit/Job#: M1978305

PROJECT IDENTIFICATION

Task #: 02A State: Colorado Abbreviation: None
Date: 12/19/2024 County: Gunnison Filename: M305-02a
User: DMC

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D9T - 9SU
Horsepower: 405
Blade Type: Semi-Universal
Attachment: 3-shank ripper
Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	$253.16	NA
Operating Cost/Hour:	$164.35	100
Ripper own. Cost/Hour:	$18.79	NA
Ripper op. Cost/Hour:	$9.48	100
Operator Cost/Hour:	$38.59	NA

Total unit Cost/Hour: $484.37
Total Fleet Cost/Hour: **$484.37**

MATERIAL QUANTITIES

Initial Volume: 28,000
Swell factor: 1.000
Loose volume: **28,000** 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: 1,243.2 LCY/hr

Materials consistency description: Compacted fill or embankment 0.9

Average push gradient: -15 %
Average site altitude: 7,650 feet

Material weight: 3,300 lbs/LCY

Weight description: Decomposed rock - 75% Rock, 25% Earth

Job Condition Correction Factor		Source
Operator Skill:	0.750	(AVG.)
Material consistency:	0.900	(CAT HB))
Dozing method:	1.200	(SLOT)
Visibility:	1.000	(AVG.)

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.329	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.697	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4982

Adjusted unit production: 619.36 LCY/hr
Adjusted fleet production: **619.36** LCY/hr

JOB TIME AND COST

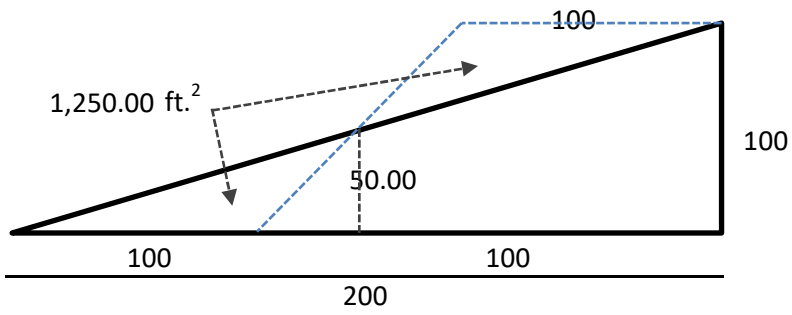
Fleet size: 1 Dozer(s)
Unit cost: $0.782/LCY

Total job time: **45.21** Hours
Total job cost: **$21,897**

Highwall reduction - cut and fill

Highwall Height (ft.)	100.0	
Length of Highwall (lft.)	600	
Initial Slope	1.0	H:1V
Desired Slope	2	H:1V
Volume of material to be moved ($ft.^3$)	**750,000**	
Volume of material to be moved ($yd.^3$)	**27,778**	

All dimensions measured in feet
Drawing not to scale



BULLDOZER RIPPING WORK

Task description: **Rip compacted pit floor and access roads**

Site: **Dickerson Pit** Permit Action: 2024-12-19 Permit/Job#: M1978305

PROJECT IDENTIFICATION

Task #: 03A State: Colorado Abbreviation: None
Date: 12/19/2024 County: Gunnison Filename: M305-03a
User: DMC

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D9T - 9SU Horsepower: 405
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	$253.16	NA
Operating Cost/Hour:	$164.35	100
Ripper Ownership Cost/Hour:	$18.79	NA
Ripper Operating Cost/Hour:	$9.48	100
Operator Cost/Hour:	$38.59	NA
Total Unit Cost/Hour:	$484.37	

Total Fleet Cost/Hour: **$484.37**

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 3.00 acres Rip Depth (ft): 1.50 Volume: 7,260 BCY or CCY

Source of estimated quantity: DRMS (inspection observations)

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth:	2.63	feet/pass
Average Ripping Width:	7.67	feet/pass
Average Ripping Length:	50.00	feet/pass
Average Dozer Speed:	88.00	feet/minute
Average Maneuver Time:	0.25	minutes/pass
Production per unit area:	0.646	acres/hour

Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.646 Acres/hr

Site Altitude:	7,650	feet
Altitude Adj:	1.00	(CAT HB)
Job Efficiency:	0.83	(1 shift/day)
Net Correction:	0.83	multiplier

Adjusted Hourly Unit Production: 0.54 Acres/hr
Adjusted Hourly Fleet Production: **0.54** Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: **5.60** Hours

Unit cost: $903.900 Per acre Total job cost: **$2,712**

BULLDOZER WORK

Task description: **Rough grade pit floor/ripped areas**

Site: **Dickerson Pit** Permit Action: 2024-12-19 Permit/Job#: M1978305

PROJECT IDENTIFICATION

Task #: 04A State: Colorado Abbreviation: None
Date: 12/19/2024 County: Gunnison Filename: M305-04a
User: DMC

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D9T - 9SU
Horsepower: 405
Blade Type: Semi-Universal
Attachment: 3-shank ripper
Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	$253.16	NA
Operating Cost/Hour:	$164.35	100
Ripper own. Cost/Hour:	$18.79	NA
Ripper op. Cost/Hour:	$9.48	100
Operator Cost/Hour:	$38.59	NA

Total unit Cost/Hour: $484.37
Total Fleet Cost/Hour: **$484.37**

MATERIAL QUANTITIES

Initial Volume: 4,840
Swell factor: 1.125
Loose volume: **5,445** 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: 2,110.5 LCY/hr

Materials consistency description: Rock, avg. ripped or blasted 0.7

Average push gradient: 0 %
Average site altitude: 7,650 feet

Material weight: 2,650 lbs/LCY

Weight description: Decomposed rock - 25% Rock, 75% Earth

Job Condition Correction Factor		Source
Operator Skill:	0.750	(AVG.)
Material consistency:	0.700	(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:	0.868	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3026

Adjusted unit production: 638.64 LCY/hr
Adjusted fleet production: **638.64** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: $0.758/LCY

Total job time: **8.53** Hours
Total job cost: **$4,130**

WHEEL LOADER – LOAD AND CARRY WORK

Task description: **Transport OB/Growth Medium from stockpiles**

Site: **Dickerson Pit** Permit Action: 2024-12-19 Permit/Job#: M1978305

PROJECT IDENTIFICATION

Task #: 05A State: Colorado Abbreviation: None
Date: 12/19/2024 County: Gunnison Filename: M305-05a
User: DMC

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: CAT 972H Horsepower: 287
Attachment 1: ROPS Cab Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	$62.43	NA
Operating Cost/Hour:	$57.98	100
Operator Cost/Hour:	$36.85	NA
Total Unit Cost/Hour:	$157.26	

Total Fleet Cost/Hour: $157.26

MATERIAL QUANTITIES

Initial volume: 6,857 CCY Swell factor: 1.000
Loose volume: **6,857** LCY

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

HOURLY PRODUCTION

Loader Cycle Time: Unadjusted Basic Cycle Time (load, dump, maneuver): 0.525 minutes

Cycle Time Factors		Factor (min.)	Source
Material:	Mixed material 0.02	0.020	(Cat HB)
Stockpile:	Dumped by truck 0.02	0.020	(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:	0.000	minutes
	Adjusted Basic Cycle Time:	0.525	minutes

Rolling Resistance – Road Conditions

Haul: Loose sand or gravel 10
Return: Loose sand or gravel 10

Haul and Return Time

	Length (feet)	Grade Res. (%)	Rolling Res. (%)	Total Res. (%)	Travel Time (minutes)	Source
Haul Route:	500	0.00	10.00	10.00	0.6591	(Cat HB)
Return Route:	500	0.00	10.00	10.00	0.5778	(Cat HB)

Total Travel Time:	1.2369	minutes
Total Cycle Time:	**1.7619**	minutes

Load Bucket Capacity

Rated Capacity:	5.60	LCY (heaped)
Bucket Fill Factor:	1.100	Other - rock/dirt mixtures (100-120%) 1.100
Adjusted Capacity:	**6.16**	LCY

Job Condition Correction Factors
Site Altitude: 7650 feet

		Source
Altitude Adj:	1.00	(CAT HB)
Job Efficiency:	0.83	(1 shift/day)
Net Correction:	0.83	multiplier

Unadjusted Hourly Unit Production:	209.78	LCY/Hour
Adjusted Hourly Unit Production:	174.11	LCY/Hour
Adjusted Hourly Fleet Production:	**174.11**	LCY/Hour

JOB TIME AND COST

Fleet size:	1	Loader(s)	Total job time:	**39.38**	Hours
Unit cost:	$0.903	/LCY	Total job cost:	**$6,193**	

BULLDOZER WORK

Task description: **Spread OB/Growth Medium**

Site: **Dickerson Pit** Permit Action: 2024-12-19 Permit/Job#: M1978305

PROJECT IDENTIFICATION

Task #: 06A State: Colorado Abbreviation: None
Date: 12/19/2024 County: Gunnison Filename: M305-06a
User: DMC

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D9T - 9SU
Horsepower: 405
Blade Type: Semi-Universal
Attachment: NA
Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	$253.16	NA
Operating Cost/Hour:	$164.35	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: $456.10
Total Fleet Cost/Hour: **$456.10**

MATERIAL QUANTITIES

Initial Volume: 6,857
Swell factor: 1.000
Loose volume: **6,857** 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: 2,110.5 LCY/hr

Materials consistency description: Loose stockpile 1.2

Average push gradient: 0 %
Average site altitude: 7,650 feet

Material weight: 2,100 lbs/LCY

Weight description: Earth - Loam

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:	1.095	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.6544

Adjusted unit production: 1,381.11 LCY/hr
Adjusted fleet production: **1381.11** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: $0.330/LCY

Total job time: **4.96** Hours
Total job cost: **$2,264**

REVEGETATION WORK

Task description: **Revegetate affected area**

Site: **Dickerson Pit** Permit Action: 2024-12-19 Permit/Job#: M1978305

PROJECT IDENTIFICATION

Task #: 07A State: Colorado Abbreviation: None
Date: 12/19/2024 County: Gunnison Filename: M305-07a
User: DMC

Agency or organization name: DRMS

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
3-9-9, 5-20-20, 12-12-12	75.00	pound	$0.69	$51.76
			Total Fertilizer Materials Cost/Acre	**$51.76**

Application

Description	Cost /Acre
NA-fertilizer application incl. with hydroseeding	$295.60
Total Fertilizer Application Cost/Acre	**$295.60**

TILLING

Description	Cost /Acre
Chisel plowing {DMG}	$102.41
Total Tilling Cost/Acre	**$102.41**

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Blue Grama - Native	1.60	26.12	$34.12
Indian Ricegrass - Native	1.40	4.53	$24.21
Bottlebrush Squirreltail	5.60	24.68	$142.27
Sandberg Bluegrass - VNS	0.40	8.49	$5.78
Muttongrass	0.80	16.53	$38.13
Needle and Thread	1.80	4.75	$146.57
Totals Seed Mix	11.60	85.11	**$391.07**

Application

Description	Cost /Acre
Hydro seeding (MEANS 32 92 19.14 0200)	$1,359.07
Total Seed Application Cost/Acre	**$1,359.07**

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: 8.5 Cost /Acre: $2,199.91
Estimated Failure Rate: 25% Cost /Acre*: $2,199.91
*Selected Replanting Work Items: FERTILIZING,TILLING,SEEDING

Initial Job Cost: **$18,699.24**
Reseeding Job Cost: **$4,674.81**
Total Job Cost: **$23,374**
Job Hours: **10.00**

EQUIPMENT MOBILIZATION/DEMOBILIZATION

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

Site: **Dickerson Pit** Permit Action: 2024-12-19 Permit/Job#: M1978305

PROJECT IDENTIFICATION

Task #: 08A State: Colorado Abbreviation: None
Date: 12/19/2024 County: Gunnison Filename: M305-08a
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 D9T - 9SU	66.13	$271.95	$125.64	1	$397.59	$125.64	$250.00
CAT 972H	28.00	$62.43	$122.78	1	$185.21	$122.78	$250.00
Hydroseeder with Tractor	28.00	$45.21	$122.78	1	$167.99	$122.78	$250.00
Subtotals:					**$750.79**	**$371.20**	**$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	$24.60	1	$24.60	$24.60
Subtotals:			**$24.60**	**$24.60**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	GUNNISON	
Total one-way travel distance:	7.00	miles
Average Travel Speed:	35.00	mph
Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig:	$3,450.38	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	$9.84	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.20	0.20
Return Time (Hours):	0.20	0.20
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.40	0.40

JOB TIME AND COST

Total job time:	**2.80**	Hours
Total job cost:	**$3,460**	