

January 26, 2024

Anthony Zellitti
2001 CR 300
Durango, CO 81301



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

1313 Sherman Street, Room 215
Denver, CO 80203

RE: Zellitti Pit, Permit # M-1980-246, Reclamation Costs Update

Dear Operator:

In an effort to ensure the Financial Warranty for the above referenced site adequately reflects the actual current costs of fulfilling the requirements of the approved reclamation plan, the Colorado Division of Reclamation, Mining and Safety (Division) has updated the reclamation cost estimate (copy enclosed) for this site. Division calculations estimate the cost to reclaim the site to be \$50,090.00. This is an increase of \$5,272.00 over the \$44,818.00 currently held by the Division.

Within 15 days, please review the attached estimate and notify me if any calculation errors are noted.

If you require additional information, or have questions or concerns, please contact me.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Dustin Czapla', with a long horizontal flourish extending to the right.

Dustin Czapla
Environmental Protection Specialist
Division of Reclamation, Mining and Safety
Phone: (303) 866-3567, ext. 8188



BULLDOZER WORKTask description: Grade highwalls to 2:1 slopeSite: Zellitti PitPermit Action: 2024-01-11 UpdatePermit/Job#: M1980246**PROJECT IDENTIFICATION**Task #: 01AState: ColoradoAbbreviation: NoneDate: 1/11/2024County: La PlataFilename: M246-01aUser: DMCAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D10T - 10SUHorsepower: 574Blade Type: Semi-UniversalAttachment: 3-shank ripperShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$178.69	NA
Operating Cost/Hour:	\$160.22	100
Ripper own. Cost/Hour:	\$24.49	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$41.30	NA

Total unit Cost/Hour: \$404.70Total Fleet Cost/Hour: **\$404.70****MATERIAL QUANTITIES**Initial Volume: 8,000Swell factor: 1.430Loose volume: **11,440 LCY**Source of estimated volume: Existing ConditionsSource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 50 feetUnadjusted hourly production: 2,748.7 LCY/hrMaterials consistency description: Compacted fill or embankment 0.9Average push gradient: 0 %Average site altitude: 6,700 feetMaterial weight: 3,300 lbs/LCYWeight description: Decomposed rock - 75% Rock, 25% Earth**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	0.900	(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:	1.000	(CAT HB)
Material Weight:	0.697	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.2733

Adjusted unit production: 751.22 LCY/hr

Adjusted fleet production: **751.22** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.539/LCY

Total job time: **15.23** Hours

Total job cost: **\$6,163**

BULLDOZER RIPPING WORK

Task description: Rip Compacted Area

Site: Zellitti Pit Permit Action: 2024-01-11 Update Permit/Job#: M1980246

PROJECT IDENTIFICATION

Task #: 02A State: Colorado Abbreviation: None
Date: 1/11/2024 County: La Plata Filename: M246-02a
User: DMC

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D10T - 10SU Horsepower: 574
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$178.69</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$160.22</u>	<u>100</u>
Ripper Ownership Cost/Hour:	<u>\$24.49</u>	<u>NA</u>
Ripper Operating Cost/Hour:	<u>\$11.23</u>	<u>100</u>
Operator Cost/Hour:	<u>\$41.30</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$415.93</u>	
Total Fleet Cost/Hour:	<u>\$415.93</u>	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 15.00 acres Rip Depth (ft): 1.50 Volume: 36,300 BCY or CCY

Source of estimated quantity: Inspection

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth: 2.87 feet/pass
Average Ripping Width: 8.67 feet/pass
Average Ripping Length: 500.00 feet/pass
Average Dozer Speed: 88.00 feet/minute
Average Maneuver Time: 0.25 minutes/pass
Production per unit area: 1.007 acres/hour

Job Condition Correction Factors

Unadjusted Hourly Unit Production: 1.007 Acres/hr
Site Altitude: 6,700 feet
Altitude Adj: 1.00 (CAT HB)
Job Efficiency: 0.83 (1 shift/day)
Net Correction: 0.83 multiplier
Adjusted Hourly Unit Production: 0.84 Acres/hr
Adjusted Hourly Fleet Production: **0.84** Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: **17.95** Hours

Unit cost: \$497.826 Per acre Total job cost: **\$7,467**

BULLDOZER WORKTask description: Replace topsoil on disturbed areaSite: Zellitti PitPermit Action: 2024-01-11 UpdatePermit/Job#: M1980246**PROJECT IDENTIFICATION**Task #: 03AState: ColoradoAbbreviation: NoneDate: 1/11/2024County: La PlataFilename: M246-03aUser: DMCAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D10T - 10SUHorsepower: 574Blade Type: Semi-UniversalAttachment: 3-shank ripperShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$178.69	NA
Operating Cost/Hour:	\$160.22	100
Ripper own. Cost/Hour:	\$24.49	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$41.30	NA

Total unit Cost/Hour: \$404.70Total Fleet Cost/Hour: **\$404.70****MATERIAL QUANTITIES**Initial Volume: 9,680Swell factor: 1.060Loose volume: **10,261 LCY**Source of estimated volume: 12 Acres, 6 inches deepSource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 200 feetUnadjusted hourly production: 946.0 LCY/hrMaterials consistency description: Compacted fill or embankment 0.9Average push gradient: -5 %Average site altitude: 6,700 feetMaterial weight: 2,550 lbs/LCYWeight description: Gravel - Dry**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	0.900	(CAT HB))
Dozing method:	1.000	(GEN.)
Visibility:	1.000	(AVG.)

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.115	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4508

Adjusted unit production: 426.46 LCY/hr

Adjusted fleet production: **426.46** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.949/LCY

Total job time: **24.06** Hours

Total job cost: **\$9,737**

DEMOLITION WORK

Task description: Remove and Dispose of Debris

Site: Zellitti Pit Permit Action: 2024-01-11 Update Permit/Job#: M1980246

PROJECT IDENTIFICATION

Task #: 04A State: Colorado Abbreviation: None
Date: 1/11/2024 County: La Plata Filename: M246-04a
User: DMC

Agency or organization name: DRMS

UNIT COSTS

Location adjustment: 91.60 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Misc. debris (steel & wood)	200 cu. yds.	Push demolished materials/rubble/debris into pit - Max. 200 ft. push	200.00	CY	\$2.05	\$410.00

Job Hours: 8.00 Subtotal (unadjusted): \$410.00 Total Cost (adjusted for location): \$375.56

REVEGETATION WORKTask description: RevegetationSite: Zellitti PitPermit Action: 2024-01-11 UpdatePermit/Job#: M1980246PROJECT IDENTIFICATIONTask #: 05AState: ColoradoAbbreviation: NoneDate: 1/11/2024County: La PlataFilename: M246-05aUser: DMCAgency or organization name: DRMSFERTILIZING**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
8-24-24, 10-15-15, 10-20-20	250.00	pound	\$0.60	\$150.83
			Total Fertilizer Materials Cost/Acre	\$150.83

Application

Description	Cost /Acre
Tractor towed spreader (MEANS 32 01 90.13 0120)	\$41.82
Total Fertilizer Application Cost/Acre	\$41.82

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$112.82
Weed control spraying (MEANS 31 31 16.13 3100)	\$338.80
Total Tilling Cost/Acre	\$451.62

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Nespar	3.00	9.71	\$26.63
Pubescent Wheatgrass - Luna	6.75	13.95	\$22.95
Streambank Wheatgrass - Sodar	4.00	13.04	\$22.80
Totals Seed Mix	13.75	36.70	\$72.38

Application

Description	Cost /Acre
Drill Seeding (DRMS Survey Cost)	\$232.00

	Total Seed Application Cost/Acre	\$232.00
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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:	<u>12</u>	Cost /Acre:	<u>\$948.65</u>
Estimated Failure Rate:	<u>25%</u>	Cost /Acre*:	<u>\$948.65</u>
*Selected Replanting Work Items:	<u>FERTILIZING,TILLING,SEEDING</u>		
Initial Job Cost:	<u>\$11,383.80</u>		
Reseeding Job Cost:	<u>\$2,845.95</u>		
Total Job Cost:	<u>\$14,230</u>		
Job Hours:	20.00		

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Mobilize**Site: **Zellitti Pit**Permit Action: **2024-01-11 Update**Permit/Job#: **M1980246****PROJECT IDENTIFICATION**Task #: **06A**State: **Colorado**Abbreviation: **None**Date: **1/11/2024**County: **La Plata**Filename: **M246-06a**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:	\$20.26	\$36.04	\$47.05
Operating Cost/Hour:	\$39.51	\$76.08	\$82.85
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52
Helper Cost/Hour:	\$0.00	\$23.53	\$23.53
Total Unit Cost/Hour:	\$82.29	\$158.17	\$175.95

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
Cat D10T - 10SU	93.31	\$203.18	\$175.95	1	\$379.13	\$175.95	\$0.00
Drill/Broadcast Seeder with Tractor	25.00	\$6.73	\$82.29	1	\$89.02	\$82.29	\$0.00

Subtotals: **\$468.15** **\$258.24** **\$0.00****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.	\$15.83	1	\$15.83	\$15.83

Subtotals: **\$15.83** **\$15.83**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	<u>DURANGO</u>	
Total one-way travel distance:	<u>8.00</u>	miles
Average Travel Speed:	<u>45.00</u>	mph

Total Non-Roadable Mob/Demob Cost *	<u>\$1,194.57</u>
'* two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	<u>\$5.63</u>
'** one round trip, no haul rig:	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	<u>0.18</u>	<u>0.18</u>
Return Time (Hours):	<u>0.18</u>	<u>0.18</u>
Loading Time (Hours):	<u>0.50</u>	<u>NA</u>
Unloading Time (Hours):	<u>0.50</u>	<u>NA</u>
Subtotals:	<u>1.36</u>	<u>0.36</u>

JOB TIME AND COST

Total job time:	<u>2.71</u>	Hours
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Total job cost:	<u>\$1,200</u>
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