



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

September 5, 2023

Tim Mantle
Lost Cause, LLC
27002 CR 5
Rifle, CO 81650

Re: Lost Cause Pond - File No. M-2010-084
Lost Cause, LLC
Surety Increase (SI-1)
Inflationary Increase

Dear Tim Mantle:

On September 5, 2023 the Division of Reclamation, Mining and Safety increased the current Financial Warranty for this permit to \$8,522.00, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of \$1,522.00.

Please see the August 28, 2023 inspection report for details regarding why this surety increase is required.

The Division ordered amendment of the current Financial Warranty, or submittal of a new Financial Warranty reflecting the increase, within 60 days from the date of this letter (September 5, 2023).

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 (8148), 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 after November 4, 2023, if the amount of any increased Financial Warranty has not been provided.

Bond Held:	\$7,000.00
Prior Liability:	\$7,000.00
Change in Liability:	\$1,522.00
Revised Liability:	\$8,522.00
Prior Permit Acreage:	9.90



Change in Permit Acreage:	0.00
Revised Permit Acreage:	9.90
Prior Affected Acreage:	0.00
Change in Affected Acreage:	0.00
Revised Affected Acreage:	0.00

If you have any questions, please contact me by telephone at (303) 866-3567 x 8183, or by email at Amy.yeldell@state.co.us.

Sincerely,



Amy C. Yeldell
Environmental Protection Specialist

cc: Roberta Tabor

M-GR-04

COST SUMMARY WORK

Task description: Post inspection update

Site: Lost Cause Pond

Permit Action: 2023

Permit/Job#: M2010084

PROJECT IDENTIFICATION

Task #: ACY

State: Colorado

Abbreviation: None

Date: 9/5/2023

County: Rio Blanco

Filename: M084-ACY

User: ACY

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Highwall reduction and general grading	DOZER	1	4.08	\$1,012
02a	Revegetate affected areas	REVEGE	1	16.00	\$2,199
03a	Mobilize reclamation crew/equipment	MOBILIZE	1	5.60	\$3,967
<u>SUBTOTALS:</u>				25.68	\$7,178

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$145

Performance bond: 1.05

Total = \$75

Job superintendent: 0.00

Total = \$0

Profit: 10.00

Total = \$718

TOTAL O & P = \$938

CONTRACT AMOUNT (direct + O & P) = \$8,116

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

\$406

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$1,344

TOTAL BOND AMOUNT (direct + indirect) = \$8,522

BULLDOZER WORKTask description: **Highwall reduction and general grading**Site: **Lost Cause Pond**Permit Action: **2023**Permit/Job#: **M2010084****PROJECT IDENTIFICATION**Task #: **01A**State: **Colorado**Abbreviation: **None**Date: **9/5/2023**County: **Rio Blanco**Filename: **M084-01a**User: **ACY**Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Basic Machine: **Cat D7R DS XR Series II**Horsepower: **240**Blade Type: **Semi-Universal**Attachment: **NA**Shift Basis: **1 per day**Data Source: **(CRG)****Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$114.76	NA
Operating Cost/Hour:	\$91.98	100
Ripper own. Cost/Hour:	\$0.00	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$41.30	NA

Total unit Cost/Hour: **\$248.04**Total Fleet Cost/Hour: **\$248.04****MATERIAL QUANTITIES**Initial Volume: **1,500**Swell factor: **1.125**Loose volume: **1,688 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: **1,022.9 LCY/hr**Materials consistency description: **Compacted fill or embankment 0.9**Average push gradient: **0 %**Average site altitude: **6,450 feet**Material weight: **2,550 lbs/LCY**Weight description: **Earth - Dry packed****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	(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: 0.4043

Adjusted unit production: 413.56 LCY/hr

Adjusted fleet production: **413.56** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.600/LCY

Total job time: **4.08** Hours

Total job cost: **\$1,012**

REVEGETATION WORKTask description: Revegetate affected areasSite: Lost Cause PondPermit Action: 2023Permit/Job#: M2010084**PROJECT IDENTIFICATION**Task #: 02AState: ColoradoAbbreviation: NoneDate: 9/5/2023County: Rio BlancoFilename: M084-02aUser: ACYAgency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
0-20-20, 4-8-12, 10-10-10	40.00	pound	\$0.62	\$24.80
			Total Fertilizer Materials Cost/Acre	\$24.80

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
Total Tilling Cost/Acre	\$112.82

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Nespar	2.00	6.47	\$17.75
Crested Wheatgrass - Fairway	2.00	9.18	\$8.05
Pubescent Wheatgrass - Luna	4.00	8.26	\$13.60
Western Wheatgrass - Rosanna	3.00	7.58	\$17.25
Totals Seed Mix	11.00	31.50	\$56.65

Application

Description	Cost /Acre
Drill seeding (MEANS 32 92 19.13 0020)	\$468.00

Total Seed Application Cost/Acre	\$468.00
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MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$4.01	\$4.01
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	BALE	\$17.19	\$34.38
Total Mulch Materials Cost/Acre				\$38.39

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$74.46
Weed spray, truck, non-aquatic area, nox. [DMG]	\$62.72
Total Mulch Application Cost/Acre	\$137.18

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: 2 Cost /Acre: \$879.66
 Estimated Failure Rate: 25% Cost /Acre*: \$879.66
 *Selected Replanting Work Items: FERTILIZING,TILLING,SEEDING,MULCHING

Initial Job Cost: \$1,759.32
 Reseeding Job Cost: \$439.83
 Total Job Cost: \$2,199
 Job Hours: 16.00

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Mobilize reclamation crew/equipment**Site: **Lost Cause Pond**Permit Action: 2023Permit/Job#: M2010084**PROJECT IDENTIFICATION**Task #: 03AState: ColoradoAbbreviation: NoneDate: 9/5/2023County: Rio BlancoFilename: M084-03aUser: ACYAgency 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:	\$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 D7R DS XR Series II	32.01	\$114.76	\$158.17	1	\$272.93	\$158.17	\$250.00
Drill/Broadcast Seeder with Tractor	25.00	\$6.73	\$82.29	1	\$89.02	\$82.29	\$250.00
Power Mulcher (Bowie LD-90)	6.00	\$25.94	\$82.29	1	\$108.23	\$82.29	\$250.00
Subtotals:					\$470.18	\$322.75	\$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	\$55.12	1	\$55.12	\$55.12
Subtotals:			\$55.12	\$55.12

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: MEEKER
 Total one-way travel distance: 45.00 miles
 Average Travel Speed: 50.00 mph

Total Non-Roadable Mob/Demob Cost * \$3,867.63
 * two round trips with haul rig:
 Total Roadable Mob/Demob Cost ** \$99.22
 ** one round trip, no haul rig:

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.90	0.90
Return Time (Hours):	0.90	0.90
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	2.80	1.80

JOB TIME AND COST

Total job time: 5.60 Hours

Total job cost: \$3,967