



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

1313 Sherman St. Room 215
Denver, CO 80203

January 14, 2022

Mr. David L. Wyman
Louis M. Wyman
4000 E HWY 40
Craig, CO 81625

Re: Wyman Pit, Permit No. M-1983-037, Financial Warranty Increase, Revision No. SI-2

Dear Mr. Wyman:

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).

On January 14, 2022 the Division of Reclamation, Mining and Safety increased the current Financial Warranty for this permit to \$17,238.00, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of \$8,064.00. The last estimate update was calculated on 9/3/2010. The Division currently holds a bond in the amount of **\$9,674**. This estimate is based on conditions observed during the December 2, 2021 inspection.. **Therefore, additional bond is required to be posted at this time.**

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. If you wish to submit a different type of Financial Warranty, please contact me such that I may send you the applicable form.

If you have any questions, please contact me.

Sincerely,

Tabetha N. Lynch
Environmental Protection Specialist

cc: Sara M. Stevenson-Benn, DRMS
Enc: Financial Warranty Cost Estimate

M-FW-14



COST SUMMARY WORK

Task description: Wyman Inspection Update

Site: Wyman Pit

Permit Action: 2021

Permit/Job#: M1983037

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 12/21/2021

County: Routt

Filename: M037-000

User: TNL

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Highwall reduction	DOZER	1	12.25	\$2,895
002	Topsoil application 5 acres at 6 inches	DOZER	1	4.47	\$1,124
003	Reveg of 5 acres	REVEGE	1	40.00	\$8,124
004	equip mob	MOBILIZE	1	5.71	\$2,660
<u>SUBTOTALS:</u>				62.43	\$14,803

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$299

Performance bond: 1.05

Total = \$155

Job superintendent: 0.00

Total = \$0

Profit: 10.00

Total = \$1,480

TOTAL O & P = \$1,935

CONTRACT AMOUNT (direct + O & P) = \$16,738

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: 0.00

\$0

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$2,435

TOTAL BOND AMOUNT (direct + indirect) = \$17,238

BULLDOZER WORK

Task description: Highwall reduction

Site: Wyman Pit

Permit Action: 2021

Permit/Job#: M1983037

PROJECT IDENTIFICATION

Task #: 001

State: Colorado

Abbreviation: None

Date: 12/21/2021

County: Routt

Filename: M037-001

User: TNL

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D8T - 8SU

Horsepower: 310

Blade Type: Semi-Universal

Attachment: NA

Shift Basis: 1 per day

Data Source: (CRG)

Cost Breakdown:

		<u>Utilization %</u>
Ownership Cost/Hour:	\$97.46	NA
Operating Cost/Hour:	\$97.63	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:	\$236.39	
Total Fleet Cost/Hour:	\$236.39	

MATERIAL QUANTITIES

Initial Volume: 4,167

Swell factor: 1.000

Loose volume: **4,167** 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: 1,400.0 LCY/hr

Materials consistency
description: Dry, non-cohesive 0.8

Average push
gradient: 0 %

Average site altitude: 6,700 feet

Material weight: 3,300 lbs/LCY

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

Job Condition Correction Factor

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	0.800	(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: 0.2430

Adjusted unit
production: 340.20 LCY/hr

Adjusted fleet
production: **340.2** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.695/LCY

Total job time: **12.25** Hours

Total job cost: **\$2,895**

BULLDOZER WORK

Task description: Topsoil application 5 acres at 6 inches

Site: Wyman Pit

Permit Action: 2021

Permit/Job#: M1983037

PROJECT IDENTIFICATION

Task #: 002

State: Colorado

Abbreviation: None

Date: 12/21/2021

County: Routt

Filename: M037-002

User: TNL

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D8T - 8SU

Horsepower: 310

Blade Type: Semi-Universal

Attachment: 3-shank ripper

Shift Basis: 1 per day

Data Source: (CRG)

Cost Breakdown:

		<u>Utilization %</u>
Ownership Cost/Hour:	\$97.46	NA
Operating Cost/Hour:	\$97.63	100
Ripper own. Cost/Hour:	\$15.19	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$41.30	NA
Total unit Cost/Hour:	\$251.58	
Total Fleet Cost/Hour:	\$251.58	

MATERIAL QUANTITIES

Initial Volume: 4,033

Swell factor: 1.000

Loose volume: **4,033** 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: 1,400.0 LCY/hr

Materials consistency
description: Loose stockpile 1.2

Average push
gradient: 0 %

Average site altitude: 6,700 feet

Material weight: 1,600 lbs/LCY

Weight description: Top Soil

Job Condition Correction Factor

		<u>Source</u>
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:	0.600	(FND-SF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.6445

Adjusted unit
production: 902.30 LCY/hr

Adjusted fleet
production: **902.3** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.279/LCY

Total job time: **4.47** Hours

Total job cost: **\$1,124**

REVEGETATION WORK

Task description: Reveg of 5 acres

Site: Wyman Pit Permit Action: 2021 Permit/Job#: M1983037

PROJECT IDENTIFICATION

Task #: 003 State: Colorado Abbreviation: None
Date: 12/21/2021 County: Routt Filename: M037-003
User: TNL

Agency or organization name: DRMS

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
			Total Fertilizer Materials Cost/Acre	\$0.00

Application

Description	Cost /Acre
	\$
Total Fertilizer Application Cost/Acre	\$0.00

TILLING

Description	Cost /Acre
Chisel plowing {DMG}	\$96.50
Total Tilling Cost/Acre	\$96.50

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Big Bluegrass - Sherman	1.05	21.69	\$8.90
Pubescent Wheatgrass - Luna	5.60	11.57	\$19.04
Tall Fescue - Fawn E.F.	2.00	10.42	\$3.85
Totals Seed Mix	8.65	43.69	\$31.79

Application

Description	Cost /Acre
Tractor spreader (MEANS 32 92 19.14 0100)	\$540.14
Total Seed Application Cost/Acre	\$540.14

MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$307.02	\$614.04
Total Mulch Materials Cost/Acre				\$614.04

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$71.57
Total Mulch Application Cost/Acre	\$71.57

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:	5	Cost /Acre:	\$1,354.04
Estimated Failure Rate:	20%	Cost /Acre*:	\$1,354.04
*Selected Replanting Work Items:	TILLING,SEEDING,MULCHING		
Initial Job Cost:	\$6,770.20		
Reseeding Job Cost:	\$1,354.04		
Total Job Cost:	\$8,124		
Job Hours:	40.00		

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: Equip mob

Site: Wyman Pit

Permit Action: 2021

Permit/Job#: M1983037

PROJECT IDENTIFICATION

Task #: 004
Date: 12/21/2021
User: TNL

State: Colorado
County: Routt

Abbreviation: None
Filename: M037-004

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:	\$21.28	\$37.94	\$47.67
Operating Cost/Hour:	\$26.55	\$50.48	\$56.21
Operator Cost/Hour:	\$20.54	\$20.54	\$20.54
Helper Cost/Hour:	\$0.00	\$23.53	\$23.53
Total Unit Cost/Hour:	\$68.37	\$132.49	\$147.95

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 D8T - 8SU	47.71	\$97.46	\$132.49	1	\$229.95	\$132.49	\$250.00
Drill/Broadcast Seeder with Tractor	25.00	\$7.98	\$68.37	1	\$76.35	\$68.37	\$250.00

Subtotals:

\$306.30	\$200.86	\$500.00
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ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Subtotals:			\$0.00	\$0.00

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: HAYDEN
Total one-way travel distance: 15.00 miles
Average Travel Speed: 35.00 mph

Total Non-Roadable Mob/Demob Cost *
 ** two round trips with haul rig: \$2,659.91
Total Roadable Mob/Demob Cost **
 ** one round trip, no haul rig: \$0.00

Transportation Cycle Time:

	Non- Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.43	0.43
Return Time (Hours):	0.43	0.43
Loading Time (Hours):	1.00	NA
Unloading Time (Hours):	1.00	NA
Subtotals:	2.86	0.86

JOB TIME AND COST

Total job time: 5.71 Hours
Total job cost: \$2,660