



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

September 1, 2023

Darrell Camilletti
Camilletti LLC
3701 Hwy 394
Craig, CO 81625

**Re: Fedinec Pit - File No. M-1977-057
Camilletti LLC
Surety Increase (SI-3)
Surety increased based on inspection.**

Dear Darrell Camilletti:

On September 1, 2023 the Division of Reclamation, Mining and Safety increased the current Financial Warranty for this permit to \$94,295.00, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of \$36,395.00.

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 1, 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 October 31, 2023, if the amount of any increased Financial Warranty has not been provided.

Bond Held:	\$57,900.00
Prior Liability:	\$57,900.00
Change in Liability:	\$36,395.00
Revised Liability:	\$94,295.00
Prior Permit Acreage:	23.05
Change in Permit Acreage:	0.00



Revised Permit Acreage:	23.05
Prior Affected Acreage:	18.28
Change in Affected Acreage:	0.00
Revised Affected Acreage:	18.28

If you have any questions, please contact me by telephone at (303) 866-3567 x 8164, or by email at Zach.trujillo@state.co.us.

Sincerely,



Zach T. Trujillo
Environmental Protection Specialist

cc: Lisa Lawton

M-GR-04

COST SUMMARY WORK

Task description: _____

Site: Fedinec Pit

Permit Action: SO-03

Permit/Job#: M1977057

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 8/10/2023

County: Moffat

Filename: M057-000

User: ZTT

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Rip benches, stockpile areas, and access roads, appx 3 acres	RIPPER	1	6.06	\$2,718
002	Reduce slopes to a 3:1, Rough finish	DOZER	1	20.58	\$9,222
003	Distribute topsoil over affected areas	TRUCK1	1	17.60	\$17,269
004	Revegetate 10 Acres	REVEGE	1	16.00	\$43,943
005	Mobilization, Demob	MOBILIZE	1	2.93	\$4,033
<u>SUBTOTALS:</u>				63.17	\$77,185

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$1,559

Performance bond: 1.05

Total = \$810

Job superintendent: 31.58

Total = \$2,055

Profit: 10.00

Total = \$7,718

TOTAL O & P = \$12,143

CONTRACT AMOUNT (direct + O & P) = \$89,328

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

\$4,466

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$17,110

TOTAL BOND AMOUNT (direct + indirect) = \$94,295

BULLDOZER RIPPING WORK

Task description: Rip benches, stockpile areas, and access roads, appx 3 acres

Site: Fedinec Pit Permit Action: SO-03 Permit/Job#: M1977057

PROJECT IDENTIFICATION

Task #: 001 State: Colorado Abbreviation: None
Date: 8/10/2023 County: Moffat Filename: M057-001
User: ZTT

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D8T - 8SU Horsepower: 310
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	\$241.38	NA
Operating Cost/Hour:	\$143.92	100
Ripper Ownership Cost/Hour:	\$14.11	NA
Ripper Operating Cost/Hour:	\$7.45	100
Operator Cost/Hour:	\$41.30	NA
Total Unit Cost/Hour:	\$448.16	
Total Fleet Cost/Hour:	\$448.16	

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: Operator Provided

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth: 2.56 feet/pass
Average Ripping Width: 7.08 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: 0.596 acres/hour

Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.596 Acres/hr
Site Altitude: 6,796 feet
Altitude Adj: 1.00 (CAT HB)
Job Efficiency: 0.83 (1 shift/day)
Net Correction: 0.83 multiplier

Adjusted Hourly Unit Production: 0.49 Acres/hr
Adjusted Hourly Fleet Production: **0.49** Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: **6.06** Hours

Unit cost: \$906.021 Per acre Total job cost: **\$2,718**

BULLDOZER WORKTask description: Reduce slopes to a 3:1, Rough finishSite: Fedinec PitPermit Action: SO-03Permit/Job#: M1977057**PROJECT IDENTIFICATION**Task #: 002State: ColoradoAbbreviation: NoneDate: 8/10/2023County: MoffatFilename: M057-002User: ZTTAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D8T - 8SUHorsepower: 310Blade Type: Semi-UniversalAttachment: 3-shank ripperShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$241.38	NA
Operating Cost/Hour:	\$143.92	100
Ripper own. Cost/Hour:	\$14.11	NA
Ripper op. Cost/Hour:	\$7.45	100
Operator Cost/Hour:	\$41.30	NA

Total unit Cost/Hour: \$448.16Total Fleet Cost/Hour: **\$448.16****MATERIAL QUANTITIES**Initial Volume: 7,641Swell factor: 1.000Loose volume: **7,641** LCYSource of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 75 feetUnadjusted hourly production: 1,017.1 LCY/hrMaterials consistency description: Compacted fill or embankment 0.9Average push gradient: 5 %Average site altitude: 6,796 feetMaterial weight: 2,550 lbs/LCYWeight 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:	0.903	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3651

Adjusted unit production: 371.34 LCY/hr

Adjusted fleet production: **371.34** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$1.207/LCY

Total job time: **20.58** Hours

Total job cost: **\$9,222**

TRUCK/LOADER TEAM WORKTask description: Distribute topsoil over affected areasSite: Fedinec PitPermit Action: SO-03Permit/Job#: M1977057**PROJECT IDENTIFICATION**Task #: 003State: ColoradoAbbreviation: NoneDate: 8/10/2023County: MoffatFilename: M057-003User: ZTTAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Shift basis: 1 per day

Equipment Description	
Truck Loader Team -Truck:	Cat 730
-Loader:	CAT 950H high lift
Support Equipment -Load Area:	NA
-Dump Area:	Cat D8T - 8SU
Road Maintenance -Motor Grader:	NA
-Water Truck:	NA

Cost Breakdown:**Truck/Loader Team****Support Equipment****Maintenance Equipment**

	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
% Utilization-machine:	100	100	NA	100	NA	NA
Ownership cost/hour:	\$108.06	\$49.32	NA	\$241.38	NA	NA
Operating cost/hour:	\$71.88	\$39.80	NA	\$143.92	NA	NA
% Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	NA	\$0.00	NA	NA
Ripper op. cost/hour:	NA	\$0.00	NA	\$0.00	NA	NA
Operator cost/hour:	\$32.54	\$40.71	NA	\$41.30	NA	NA
Unit Subtotals:	\$212.48	\$129.83	NA	\$426.60	NA	NA
Number of Units:	2	1	0	1	0	0
Group Subtotals:	Work: \$554.79		Support: \$426.60		Maint: \$0.00	

Total work team cost/hour: **\$981.39****MATERIAL QUANTITIES**Initial volume: 7,720

CCY

Swell factor: 1.000Loose volume: **7,720**

LCY

Source of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell factor: Cat HandbookMaterial Purchase Cost: \$0.00Total Cost: \$0.00**HOURLY PRODUCTION****Truck Capacity:****Truck Payload (weight) Basis:**Material weight: 1,600

Pounds/LCY

Description: Top SoilRated Payload: 62,000

Pounds

Payload Capacity: 38.75

LCY

Truck Bed (volume) Basis:

Struck Volume:	17.10	LCY
Heaped Volume:	22.10	LCY
Average Volume:	19.60	LCY
Adjusted Volume:	22.10	LCY

Final Truck Volume Based on Number of Loader Passes: **18.06** LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	4.300	LCY (heaped)
Bucket Fill Factor:	1.050	Moist loam or sandy clay (100% - 110%) 1.050
Adjusted Capacity:	4.515	LCY

Job Condition Corrections:

Site Altitude (ft.): 6796 feet

	Truck	Loader	Source
Altitude Adj:	1.000	1.000	(CAT HB)
Job Efficiency:	0.830	0.830	(CAT HB)
Net Correction:	0.830	0.830	

Loading Tool Cycle Time: Number of Loading Tool Passes Required to Fill Truck: 4 passes

Excavators and Front Shovels:

Machine Cycle Time vs. Job Condition Rating: NA
 Selected Value within this Basic Rating: NA

Track Loaders – Material Description: _____

Cycle Time Elements (min.):

Load: NA Maneuver: NA Dump: 0.100

Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.500 minutes

Cycle Time Factors		Factor (min.)	Source
Material:	Mixed material 0.02	0.020	(Cat HB)
Stockpile:	Conveyor or dozer piled 10 ft. high or less 0.01	0.010	(Cat HB)
Truck Ownership:	Common ownership of trucks and loaders -0.04	-0.040	(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:		-0.050	minutes
Adjusted Loader Cycle Time:		0.450	minutes
Net Load Time per Truck:		1.450	minutes

Truck Cycle Time:

Truck Exchange Time:	0.60	Minutes	Adjusted for site altitude:	0.600	Minutes
Truck Load Time:	1.450	Minutes	Adjusted for site altitude:	1.450	Minutes
Truck Maneuver and Dump Time:	1.00	Minutes	Adjusted for site altitude:	1.000	Minutes

Truck Travel (Haul & Return) Time:
penetration 8.0

Road Condition: Soft, rutted dirt, no maintenance or water, 4" tire

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	150.00	5.00	8.00	13.00	565	0.284

Haul Time: **0.284** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	150.00	-5.00	8.00	3.00	2936	0.206

Return Time: **0.206** minutesTotal Truck Cycle Time: **3.540** minutes

Loading Tool unit

Production 528.59 LCY/Hour Adjusted for job efficiency: 438.73 LCY/Hour
Truck Unit Production 306.10 LCY/Hour Adjusted for job efficiency: 254.06 LCY/Hour

Optimal No. of Trucks: 2 Truck(s) Selected Number of Trucks: 2 Truck(s)

Adjusted hourly truck team production: 508.13 LCY/Hour
Adjusted single truck/loader team production: 438.73 LCY/Hour
Adjusted multiple truck/loader team production: **438.73** LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: **17.60** Hours

Unit cost: \$2.237 /LCY Total job cost: **\$17,269**

REVEGETATION WORKTask description: Revegetate 10 AcresSite: Fedinec PitPermit Action: SO-03Permit/Job#: M1977057**PROJECT IDENTIFICATION**Task #: 004State: ColoradoAbbreviation: NoneDate: 8/10/2023County: MoffatFilename: M057-004User: ZTTAgency 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
	\$
Total Tilling Cost/Acre	\$0.00

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Alfalfa - Common	1.60	7.71	\$4.08
Indian Ricegrass - Nespar	1.48	4.79	\$13.14
Bitterbrush, Antelope	4.00	1.23	\$78.00
Sand Dropseed	0.10	11.94	\$0.98
Crested Wheatgrass - Hy-Crest	2.48	11.39	\$9.86
Sandberg Bluegrass - VNS	0.40	8.49	\$3.36
Western Wheatgrass - Arriba	8.00	20.20	\$52.00
Needle and Thread	1.09	2.88	\$45.62
Sagebrush, Mountain or Big	0.40	21.12	\$7.90

Prairie Junegrass	0.16	8.50	\$4.16
Basin Wildrye - Trailhead	2.00	8.13	\$30.82
Totals Seed Mix	21.71	106.38	\$249.90

Application

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

MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Silt fence, Materials (MEANS 31 25 14.16 1000)	2,500.00	LINEAR FOOT	\$0.64	\$1,600.00
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$429.79	\$859.57
Total Mulch Materials Cost/Acre				\$2,459.57

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$74.46
Weed spray, hand, non-aquatic area, nox. [DMG]	\$183.16
Total Mulch Application Cost/Acre	\$257.62

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: 10
 Estimated Failure Rate: 25%
 *Selected Replanting Work Items: SEEDING,MULCHING

Cost /Acre: \$3,435.09
 Cost /Acre*: \$3,435.09

Initial Job Cost: **\$34,350.90**
 Reseeding Job Cost: **\$8,587.73**
 Total Job Cost: **\$42,939**
 Job Hours: **16.00**

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Mobilization, Demob**Site: **Fedinec Pit**Permit Action: **SO-03**Permit/Job#: **M1977057****PROJECT IDENTIFICATION**Task #: **005**State: **Colorado**Abbreviation: **None**Date: **8/10/2023**County: **Moffat**Filename: **M057-005**User: **ZTT**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 D8T - 8SU	53.08	\$255.49	\$175.95	1	\$431.44	\$175.95	\$250.00
CAT 950H high lift	20.13	\$49.32	\$82.29	1	\$131.61	\$82.29	\$250.00
Cat 730	25.19	\$108.06	\$82.29	2	\$380.70	\$164.58	\$250.00
Subtotals:					\$943.75	\$422.82	\$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, 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>CRAIG</u>	
Total one-way travel distance:	<u>7.00</u>	miles
Average Travel Speed:	<u>30.00</u>	mph

Total Non-Roadable Mob/Demob Cost *	<u>\$4,025.23</u>
** two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	<u>\$7.39</u>
** one round trip, no haul rig:	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	<u>0.23</u>	<u>0.23</u>
Return Time (Hours):	<u>0.23</u>	<u>0.23</u>
Loading Time (Hours):	<u>0.50</u>	<u>NA</u>
Unloading Time (Hours):	<u>0.50</u>	<u>NA</u>
Subtotals:	<u>1.47</u>	<u>0.47</u>

JOB TIME AND COST

Total job time:	<u>2.93</u>	Hours
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Total job cost:	<u>\$4,033</u>
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