

September 25, 2018

Donald Corson
C&B Sand and Gravel, Inc.
P.O. Box 147
Baggs, WY 82321



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

1313 Sherman Street, Room 215
Denver, CO 80203

RE: Sheehan Pit, Permit No. M-2007-058, Technical Revision (TR-1) Approval

Dear Mr. Corson:

On September 25, 2018 the Division of Reclamation, Mining and Safety (Division) approved the Technical Revision request (TR-1) submitted on September 21, 2018, addressing the following:

Revise mining plan to allow for on-site fuel storage and additional support facilities (buildings).

The terms of the TR-1 approved by the Division are hereby incorporated into Permit No. M-207-058. All other conditions and requirements of the permit remain in full force and effect.

The estimated liability amount of \$51,470.00 exceeds the \$ 39,260.00 Financial Warranty currently held for this site. If you have not already done so, please submit additional bond in the amount of \$ 12,210.00. The revision will not be final until the bond is approved by the Division.

If you require additional information, or have questions or concerns, please feel free to contact me. Amy Yeldell at the Division of Reclamation, Mining and Safety, 1313 Sherman St., Room 215, Denver, CO 80203. Direct contact can be made by phone at 970-254-8511 or via email at amy.yeldell@ state.co.us

Sincerely,

Amy Yeldell

Environmental Protection Specialist
Department of Natural Resources
Division of Reclamation, Mining and Safety
Phone: (970) 254-8511
Fax: (970) 241-1516

Cc: Wally Erickson, Senior EPS, Grand Junction DRMS



COST SUMMARY WORK

Task description: Updated based on 7-10-18 Inspection

Site: Sheehan Pit

Permit Action: 2018-07

Permit/Job#: M2007058

PROJECT IDENTIFICATION

Task #: ACY

State: Colorado

Abbreviation: None

Date: 8/20/2018

County: Moffat

Filename: M058-ACY

User: ACY

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Main- Slope Highwalls	DOZER	1	68.95	\$15,527.00
02a	Main-Distribute Topsoil	DOZER	1	16.83	\$3,698.00
03a	Main-Reveg disturbed area	REVEGE	1	16.00	\$11,332.00
04a	Stockpile- Rip	RIPPER	1	1.06	\$239.00
05a	Stockpile-Distribute Topsoil	DOZER	1	0.38	\$83.00
06a	Stockpile- Reveg disturbed area	REVEGE	1	4.00	\$1,120.00
07a	Initial Mobilization of Reclamation Equipment	MOBILIZE	1	6.80	\$4,338.00
08a	Secondary Mobilization of Reclamation Equipment	MOBILIZE	1	6.80	\$2,534.00
09a	Main-Remove Shed	DEMOLISH	1	2.00	\$213.92
<u>SUBTOTALS:</u>				122.82	\$39,085

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02
Performance bond: 1.05
Job superintendent: 40.00
Profit: 10.00

Total = \$789.52

Total = \$410.39

Total = \$2,922.00

Total = \$3,908.50

TOTAL O & P = \$8,030.41

CONTRACT AMOUNT (direct + O & P) = \$47,115.41

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): 0.00

Total = 0.00

Engineering work and/or contract/bid preparation: 4.25

Total = \$2,002.40

Reclamation management and/or administration: 5.00

\$2,355.77

CONTINGENCY: 0.00

Total = \$0.00

TOTAL INDIRECT COST = \$12,388.59

TOTAL BOND AMOUNT (direct + indirect) = \$51,473.59

BULLDOZER WORKTask description: **Main- Slope Highwalls**Site: **Sheehan Pit** Permit Action: **2018-07** Permit/Job#: **M2007058****PROJECT IDENTIFICATION**

Task #: **01A** State: **Colorado** Abbreviation: **None**
 Date: **8/20/2018** County: **Moffat** Filename: **M058-01a**
 User: **ACY**

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:	\$93.62	NA
Operating Cost/Hour:	\$73.35	100
Ripper own. Cost/Hour:	\$8.93	NA
Ripper op. Cost/Hour:	\$7.78	100
Operator Cost/Hour:	\$41.52	NA

Total unit Cost/Hour: **\$225.20**
 Total Fleet Cost/Hour: **\$225.20**

MATERIAL QUANTITIES

Initial Volume: **24,074**
 Swell factor: **1.330**
 Loose volume: **32,018 LCY**

Source of estimated volume: **40' H x 500'W and 60'H x 500'W benches 1:1 to 3:1 cut&fill**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: **Rock, avg. ripped or blasted 0.7**

Average push gradient: **0 %**
 Average site altitude: **6,630 feet**

Material weight: **2,900 lbs/LCY**Weight description: **Decomposed rock - 50% Rock, 50% Earth****Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	0.700	(CAT HB)
Dozing method:	1.200	(SLOT)

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

Net correction: 0.3317

Adjusted unit production: 464.38 LCY/hr

Adjusted fleet production: **464.38** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.485/LCY

Total job time: **68.95** Hours

Total job cost: **\$15,527**

BULLDOZER WORKTask description: **Main-Distribute Topsoil**Site: **Sheehan Pit** Permit Action: **2018-07** Permit/Job#: **M2007058****PROJECT IDENTIFICATION**

Task #: **02A** State: **Colorado** Abbreviation: **None**
 Date: **8/20/2018** County: **Moffat** Filename: **M058-02a**
 User: **ACY**

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:	\$93.62	NA
Operating Cost/Hour:	\$73.35	100
Ripper own. Cost/Hour:	\$8.93	NA
Ripper op. Cost/Hour:	\$2.33	30
Operator Cost/Hour:	\$41.52	NA

Total unit Cost/Hour: **\$219.75**
 Total Fleet Cost/Hour: **\$219.75**

MATERIAL QUANTITIES

Initial Volume: **2,151**
 Swell factor: **1.000**
 Loose volume: **2,151 LCY**

Source of estimated volume: **4" over 4 ac disturbed**
 Source of estimated swell factor: **Cat Handbook**

HOURLY PRODUCTION

Average push distance: **150 feet**
 Unadjusted hourly production: **634.3 LCY/hr**

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

Average push gradient: **15 %**
 Average site altitude: **6,630 feet**

Material weight: **2,650 lbs/LCY**Weight description: **Decomposed rock - 25% Rock, 75% Earth****Job Condition Correction Factor**

		<u>Source</u>
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:	0.666	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.868	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.2015

Adjusted unit production: 127.81 LCY/hr

Adjusted fleet production: **127.81** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$1.719/LCY

Total job time: **16.83** Hours

Total job cost: **\$3,698**

REVEGETATION WORKTask description: **Main-Reveg disturbed area**Site: **Sheehan Pit**Permit Action: 2018-07Permit/Job#: M2007058**PROJECT IDENTIFICATION**Task #: 03AState: ColoradoAbbreviation: NoneDate: 8/20/2018County: MoffatFilename: M058-03aUser: ACYAgency 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
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$106.29
Total Tilling Cost/Acre	\$106.29

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Bluebunch Wheatgrass - Secar	10.00	32.14	\$78.50
Indian Ricegrass - Native	2.00	6.47	\$14.00
Crested Wheatgrass - Nordan	4.00	18.37	\$16.40
Western Wheatgrass - Native	5.80	14.65	\$41.59
Totals Seed Mix	21.80	71.63	\$150.49

Application

Description	Cost /Acre
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Hydro seeding (MEANS 32 92 19.14 0200)	\$919.12
Total Seed Application Cost/Acre	\$919.12

MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - Curtail @ 4.0 pt/ac	1.00	ACRE	\$7.34	\$7.34
Hydromulch tackifier, <15 ac. { Materials Only }	1.00	ACRE	\$496.58	\$496.58
Silt fence, Materials (MEANS 31 25 14.16 1000)	40.00	LINEAR FOOT	\$0.46	\$18.40
Total Mulch Materials Cost/Acre				\$522.32

Application

Description	Cost /Acre
NA-mulch application incl. with hydroseeding	\$0.00
Silt fence, Labor + Maint for 6 months (MEANS 32 25 14.16 1100)	\$6.20
Weed spray, hand, non-aquatic area, nox. [DMG]	\$184.32
Total Mulch Application Cost/Acre	\$190.52

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: 4 Cost /Acre: \$1,888.74
 Estimated Failure Rate: 50% Cost /Acre*: \$1,888.74
 *Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: \$7,554.96
 Reseeding Job Cost: \$3,777.48
 Total Job Cost: \$11,332
 Job Hours: 16.00

BULLDOZER RIPPING WORK

Task description: Stockpile- Rip

Site: Sheehan Pit Permit Action: 2018-07 Permit/Job#: M2007058

PROJECT IDENTIFICATION

Task #: 04A State: Colorado Abbreviation: None
Date: 8/20/2018 County: Moffat Filename: M058-04a
User: ACY

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:	<u>\$93.62</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$73.35</u>	<u>100</u>
Ripper Ownership Cost/Hour:	<u>\$8.93</u>	<u>NA</u>
Ripper Operating Cost/Hour:	<u>\$7.78</u>	<u>100</u>
Operator Cost/Hour:	<u>\$41.52</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$225.20</u>	
Total Fleet Cost/Hour:	<u>\$225.20</u>	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 0.62 acres Rip Depth (ft): 2.00 Volume: 2,001 BCY or CCY

Source of estimated quantity: Maximum disturbance in AM-1

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth: 2.00 mph
Average Ripping Width: 7.08 degrees
Average Ripping Length: 100.00 feet
Average Dozer Speed: 88.00 feet
Average Maneuver Time: 0.25 feet
Production per unit area: 0.703 acres/hour

Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.703 Acres/hr
Site Altitude: 6,630 feet
Altitude Adj: 1.00 (CAT HB)
Job Efficiency: 0.83 (1 shift/day)
Net Correction: 0.83 multiplier

Adjusted Hourly Unit Production: 0.58 Acres/hr
Adjusted Hourly Fleet Production: 0.58 Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 1.06 Hours

Unit cost: \$385.719 Per acre Total job cost: \$239

BULLDOZER WORKTask description: **Stockpile-Distribute Topsoil**Site: **Sheehan Pit** Permit Action: 2018-07 Permit/Job#: M2007058**PROJECT IDENTIFICATION**

Task #: 05A State: Colorado Abbreviation: None
 Date: 8/20/2018 County: Moffat Filename: M058-05a
 User: ACY

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:	<u>\$93.62</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$73.35</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$8.93</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$2.33</u>	<u>30</u>
Operator Cost/Hour:	<u>\$41.52</u>	<u>NA</u>

Total unit Cost/Hour: \$219.75
 Total Fleet Cost/Hour: **\$219.75**

MATERIAL QUANTITIES

Initial Volume: 250
 Swell factor: 1.215
 Loose volume: **304 LCY**

Source of estimated volume: 3" over 0.62 ac disturbed
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 75 feet
 Unadjusted hourly production: 1,017.1 LCY/hr

Materials consistency description: Partly consolidated stockpile 1.1

Average push gradient: 0 %
 Average site altitude: 6,630 feet

Material weight: 1,600 lbs/LCYWeight description: Top Soil**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>1.100</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.000</u>	<u>(GEN.)</u>
Visibility:	<u>1.000</u>	<u>(AVG.)</u>

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

Net correction: 0.7877

Adjusted unit production: 801.17 LCY/hr

Adjusted fleet production: **801.17 LCY/hr**

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.274/LCY

Total job time: **0.38 Hours**

Total job cost: **\$83**

REVEGETATION WORKTask description: Stockpile- Reveg disturbed areaSite: Sheehan PitPermit Action: 2018-07Permit/Job#: M2007058**PROJECT IDENTIFICATION**Task #: 06AState: ColoradoAbbreviation: NoneDate: 8/20/2018County: MoffatFilename: M058-06aUser: ACYAgency 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
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$106.29
Total Tilling Cost/Acre	\$106.29

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	1.00	3.24	\$7.00
Western Wheatgrass - Native	2.90	7.32	\$20.79
Needlegrass, Green - Lodorm	5.50	22.85	\$27.39
Basin Wildrye - Trailhead	1.00	4.06	\$15.41
Totals Seed Mix	10.40	37.48	\$70.59

Application

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

MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Hay, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$288.00	\$576.00
Herbicide - Curtail @ 4.0 pt/ac	1.00	ACRE	\$7.34	\$7.34
Total Mulch Materials Cost/Acre				\$583.34

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$68.78
Power mulcher (MEANS 32 91 13.16 0350)	\$92.78
Weed spray, hand, non-aquatic area, nox. [DMG]	\$184.32
Total Mulch Application Cost/Acre	\$345.88

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: 0.62 Cost /Acre: \$1,338.10
 Estimated Failure Rate: 35% Cost /Acre*: \$1,338.10
 *Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: **\$829.62**
 Reseeding Job Cost: **\$290.37**
 Total Job Cost: **\$1,120**
 Job Hours: **4.00**

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Initial Mobilization of Reclamation Equipment**Site: **Sheehan Pit**Permit Action: 2018-07Permit/Job#: M2007058**PROJECT IDENTIFICATION**Task #: 07AState: ColoradoAbbreviation: NoneDate: 8/20/2018County: MoffatFilename: M058-07aUser: 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:	\$16.63	\$18.37	\$22.33
Operating Cost/Hour:	\$44.38	\$46.13	\$50.07
Operator Cost/Hour:	\$27.66	\$27.66	\$27.66
Helper Cost/Hour:	\$0.00	\$25.39	\$25.39
Total Unit Cost/Hour:	\$88.67	\$117.55	\$125.45

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	\$102.55	\$125.45	1	\$228.00	\$125.45	\$250.00
Drill/Broadcast Seeder with Tractor	25.00	\$15.54	\$88.67	1	\$104.21	\$88.67	\$250.00
Power Mulcher (Bowie LD-90)	6.00	\$8.33	\$88.67	1	\$97.00	\$88.67	\$250.00

Subtotals: **\$429.21** **\$302.79** **\$750.00****ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Hydroseeder with Tractor	\$73.49	1	\$73.49	\$73.49
Light Duty Pickup, 4x4, 1 T. Crew	\$19.39	1	\$19.39	\$19.39

Subtotals: **\$92.88** **\$92.88**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: CRAIG, CO
 Total one-way travel distance: 60.00 miles
 Average Travel Speed: 50.00 mph

Total Non-Roadable Mob/Demob Cost * \$4,115.22
 * two round trips with haul rig:
 Total Roadable Mob/Demob Cost ** \$222.91
 ** one round trip, no haul rig:

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	1.20	1.20
Return Time (Hours):	1.20	1.20
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	3.40	2.40

JOB TIME AND COST

Total job time: 6.80 Hours

Total job cost: \$4,338

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Secondary Mobilization of Reclamation Equipment**Site: **Sheehan Pit**Permit Action: 2018-07Permit/Job#: M2007058**PROJECT IDENTIFICATION**Task #: 08AState: ColoradoAbbreviation: NoneDate: 8/20/2018County: MoffatFilename: M058-08aUser: 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:	\$16.63	\$18.37	\$22.33
Operating Cost/Hour:	\$44.38	\$46.13	\$50.07
Operator Cost/Hour:	\$27.66	\$27.66	\$27.66
Helper Cost/Hour:	\$0.00	\$25.39	\$25.39
Total Unit Cost/Hour:	\$88.67	\$117.55	\$125.45

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
Drill/Broadcast Seeder with Tractor	25.00	\$15.54	\$88.67	1	\$104.21	\$88.67	\$250.00
Power Mulcher (Bowie LD-90)	6.00	\$8.33	\$88.67	1	\$97.00	\$88.67	\$250.00
Subtotals:					\$201.21	\$177.34	\$500.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Hydroseeder with Tractor	\$73.49	1	\$73.49	\$73.49
Light Duty Pickup, 4x4, 1 T. Crew	\$19.39	1	\$19.39	\$19.39
Subtotals:			\$92.88	\$92.88

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	<u>CRAIG, CO</u>	
Total one-way travel distance:	<u>60.00</u>	miles
Average Travel Speed:	<u>50.00</u>	mph

Total Non-Roadable Mob/Demob Cost *	<u>\$2,310.94</u>
** two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	<u>\$222.91</u>
** one round trip, no haul rig:	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	1.20	1.20
Return Time (Hours):	1.20	1.20
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	3.40	2.40

JOB TIME AND COST

Total job time: 6.80 Hours

Total job cost: \$2,534

DEMOLITION WORK

Task description: Main-Remove Shed

Site: Sheehan Pit

Permit Action: 2018-07

Permit/Job#: M2007058

PROJECT IDENTIFICATION

Task #: 09A

State: Colorado

Abbreviation: None

Date: 8/20/2018

County: Moffat

Filename: M058-09a

User: ACY

Agency or organization name: DRMS

UNIT COSTS

Location adjustment: 95.50 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Shed	10' x 8' x 8'	Bldg. (SN) demo./off-site disposal in approved landfill - Max. 15 mile haul	640.00	CF	\$0.35	\$224.00

Job Hours: 2.00

Subtotal
(unadjusted): \$224.00

Total Cost
(adjusted for
location): \$213.92