



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

1313 Sherman St. Room 215  
Denver, CO 80203

August 19, 2021

Mr. Jason Burkey  
Oldcastle SW Group, Inc. dba United Companies of Mesa County  
2273 River Road  
Grand Junction, CO 81502-3609

**Re: Berry Pit, Permit No. M-1977-132, Financial Warranty Increase, Revision No. SI-7**

Dear Mr. Burkey:

On August 19, 2021 the Division of Reclamation, Mining and Safety increased the current Financial Warranty for this permit to \$293,049.00, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of \$106,899.47.

The Division ordered amendment of the current Financial Warranty, or submittal of a new Financial Warranty reflecting the increase, within 60 days (Monday, October 18, 2021) 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,

Amy C. Yeldell  
Environmental Protection Specialist

cc: Sara M. Stevenson-Benn, DRMS

M-FW-14



## COST SUMMARY WORK

Task description: \_\_\_\_\_

Site: Berry Pit

Permit Action: 2021

Permit/Job#: M1977132

### PROJECT IDENTIFICATION

Task #: ACY

State: Colorado

Abbreviation: None

Date: 7/13/2021

County: Rio Blanco

Filename: M132-ACY

User: ACY

Agency or organization name: DRMS

### TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Regrade two new lease area strips to final grade	DOZER	1	54.26	\$12,827
02a	Replace overburden over 3.4 acres at 1' depth	SCRAPER1	1	4.84	\$8,951
03a	Replace topsoil from stockpile C on regraded strip	SCRAPER1	1	7.69	\$14,685
04a	Regrade old lease area	DOZER	1	147.98	\$38,699
05a	Regrade sediment pond	DOZER	1	15.30	\$4,002
06a	Regrade protection berm topsoil	DOZER	1	166.11	\$43,443
07a	Revegetation	REVEGE	1	60.00	\$88,559
08a	Mobilization	MOBILIZE	1	6.00	\$12,634
08b	Secondary Mobilization	MOBILIZE	1	6.00	\$1,994
<b><u>SUBTOTALS:</u></b>				<b>468.18</b>	<b>\$225,794</b>

### INDIRECT COSTS

#### OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$4,561

Performance bond: 1.05

Total = \$2,371

Job superintendent: 234.09

Total = \$16,862

Profit: 10.00

Total = \$22,579

TOTAL O & P = \$46,373

CONTRACT AMOUNT (direct + O & P) = \$272,167

#### 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

\$13,608

CONTINGENCY: 3.00

Total = \$6,774

TOTAL INDIRECT COST = \$67,255

**TOTAL BOND AMOUNT (direct + indirect) = \$293,049**

**BULLDOZER WORK**Task description: Regrade two new lease area strips to final gradeSite: Berry Pit Permit Action: 2021 Permit/Job#: M1977132**PROJECT IDENTIFICATION**

Task #: 01A State: Colorado Abbreviation: None  
 Date: 7/13/2021 County: Rio Blanco Filename: M132-01a  
 User: ACY

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:	<u>\$97.46</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$97.63</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$41.30</u>	<u>NA</u>

Total unit Cost/Hour: \$236.39  
 Total Fleet Cost/Hour: **\$236.39**

**MATERIAL QUANTITIES**

Initial Volume: 14,500  
 Swell factor: 1.090  
 Loose volume: **15,805 LCY**

Source of estimated volume: AM-1 Exhibit L  
 Source of estimated swell factor: Cat Handbook

**HOURLY PRODUCTION**

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

Materials consistency description: Partly consolidated stockpile 1.1

Average push gradient: 0 %  
 Average site altitude: 6,350 feet

Material weight: 2,400 lbs/LCYWeight description: Clay and gravel - Dry**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:	0.700	(FND-MF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.958	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4592

Adjusted unit production: 291.27 LCY/hr

Adjusted fleet production: **291.27** LCY/hr

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)

Unit cost: \$0.812/LCY

Total job time: **54.26** Hours

Total job cost: **\$12,827**

**SCRAPER TEAM WORK**Task description: **Replace overburden over 3.4 acres at 1' depth**Site: **Berry Pit**Permit Action: 2021Permit/Job#: M1977132**PROJECT IDENTIFICATION**Task #: 02AState: ColoradoAbbreviation: NoneDate: 7/13/2021County: Rio BlancoFilename: M132-02aUser: ACYAgency or organization name: DRMS**HOURLY EQUIPMENT**COSTShift basis: 1 per day

	Equipment Description
-Scraper:	Cat 637G w/push-pull
-Dozer:	Cat D8T - 8SU
Support Equipment -Load Area:	Cat D8T - 8SU
-Dump Area:	Cat D8T - 8SU
Road Maintenance -Motor Grader:	CAT 14M
-Water Truck:	Water Tanker, 7,000 Gal.

**Cost Breakdown:****Scraper Work Team****Support Equipment****Maintenance Equipment**

	Scraper	Dozer	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	100	50	100	50
Ownership cost/hour:	\$223.48	\$97.46	\$97.46	\$97.46	\$85.80	\$53.88
Operating cost/hour:	\$193.77	\$97.63	\$97.63	\$48.82	\$60.40	\$37.62
%Utilization-ripper:	NA	NA	100	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	\$15.19	\$0.00	\$0.00	\$0.00
Ripper op. cost/hour:	NA	\$0.00	\$9.94	\$0.00	\$0.00	\$0.00
Operator cost/hour:	\$30.90	\$41.30	\$41.30	\$41.30	\$28.56	\$0.00
Unit Subtotals:	\$448.15	\$236.39	\$261.52	\$187.58	\$174.76	\$91.50
Number of Units:	2	1	1	1	1	1
Group Subtotals:	Work:	\$1,132.69	Support:	\$449.10	Maint:	\$266.26

Total work team cost/hour: **\$1,848.05****MATERIAL QUANTITIES**Initial volume: 5,485

CCY

Swell factor: 1.090Loose volume: **5,979**

LCY

Source of estimated volume: AM-1 Exhibit LSource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION****Scraper Bowl (volume) Basis:**

Material weight:	<u>2,400 lbs/LCY</u>	Struck Volume:	<u>24.00</u>	LCY
Material description:	<u>Clay and gravel - Dry</u>	Heaped Volume:	<u>34.00</u>	LCY
Rated Payload:	<u>81,600 pounds</u>	Average Volume:	<u>29.00</u>	LCY
Payload Capacity:	<u>34.00 LCY</u>	Adjusted Capacity:	<b><u>29.00</u></b>	LCY

Cycle Time:Scraper Loading Time: 1.00 MinutesManeuver and Spread Time: 0.60 MinutesJob Condition Correction:

Site Altitude: 6350 feet

	Scraper	Push Dozer	Source
Altitude Adj:	1.000	1.000	(CAT HB)
Job Efficiency:	0.830	0.830	(CAT HB)
Net Correction:	0.830	0.830	

Travel Time:Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered, maintained 3.0Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	500.00	1.50	3.00	4.50	2394	0.45

Haul Time: 0.45 minutesReturn Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	500.00	-1.50	3.00	1.50	2960	0.29

Return Time: 0.29 minutesTotal Scraper team cycle time: 2.34 minutesAdjusted for job conditions: 1,234.36 LCY/HourSelected Number of Scrapers: 2 Scraper(s)Adjusted single scraper team (unit) hourly production: 1,234.36 LCY/HourAdjusted multiple scraper team (fleet) hourly production: 1,234.36 LCY/HourUnadjusted unit production/hour: 1,487.18 LCY/Hour

Optimal Number of Scrapers per push dozer: \_\_\_\_\_

**JOB TIME AND COST**Fleet size: 1 Team(s)Total job time: 4.84 HoursUnit cost: \$1.497 /LCYTotal job cost: \$8,951

**SCRAPER TEAM WORK**Task description: **Replace topsoil from stockpile C on regraded strip**Site: **Berry Pit**Permit Action: 2021Permit/Job#: M1977132**PROJECT IDENTIFICATION**Task #: 03AState: ColoradoAbbreviation: NoneDate: 7/13/2021County: Rio BlancoFilename: M132-03aUser: ACYAgency or organization name: DRMS**HOURLY EQUIPMENT**COSTShift basis: 1 per day

	Equipment Description
-Scraper:	Cat 637G w/push-pull
-Dozer:	Cat D8T - 8SU
Support Equipment -Load Area:	Cat D8T - 8SU
-Dump Area:	Cat D8T - 8SU
Road Maintenance -Motor Grader:	CAT 14M
-Water Truck:	Water Tanker, 7,000 Gal.

**Cost Breakdown:****Scraper Work Team****Support Equipment****Maintenance Equipment**

	Scraper	Dozer	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	100	100	100	100
Ownership cost/hour:	\$223.48	\$97.46	\$97.46	\$97.46	\$85.80	\$53.88
Operating cost/hour:	\$193.77	\$97.63	\$97.63	\$97.63	\$60.40	\$75.23
%Utilization-ripper:	NA	NA	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Ripper op. cost/hour:	NA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Operator cost/hour:	\$30.90	\$41.30	\$41.30	\$41.30	\$28.56	\$0.00
Unit Subtotals:	\$448.15	\$236.39	\$236.39	\$236.39	\$174.76	\$129.11
Number of Units:	2	1	1	1	1	1
Group Subtotals:	Work: \$1,132.69		Support: \$472.78		Maint: \$303.87	

Total work team cost/hour: **\$1,909.34****MATERIAL QUANTITIES**Initial volume: 8,228

CCY

Swell factor: 1.000Loose volume: **8,228**

LCY

Source of estimated volume: AM-1 Exhibit LSource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION****Scraper Bowl (volume) Basis:**

Material weight:	<u>1,600 lbs/LCY</u>	Struck Volume:	<u>24.00</u>	LCY
Material description:	<u>Top Soil</u>	Heaped Volume:	<u>34.00</u>	LCY
Rated Payload:	<u>81,600 pounds</u>	Average Volume:	<u>29.00</u>	LCY
Payload Capacity:	<u>51.00 LCY</u>	Adjusted Capacity:	<b><u>29.00</u></b>	LCY

Cycle Time:Scraper Loading Time: 1.00 MinutesManeuver and Spread Time: 0.60 MinutesJob Condition Correction:

Site Altitude: 6350 feet

	Scraper	Push Dozer	Source
Altitude Adj:	1.000	1.000	(CAT HB)
Job Efficiency:	0.830	0.830	(CAT HB)
Net Correction:	0.830	0.830	

Travel Time:Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered, maintained 3.0Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	1100.00	-5.00	3.00	-2.00	2972	0.44

Haul Time: 0.44 minutesReturn Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	1100.00	5.00	3.00	8.00	1931	0.66

Return Time: 0.66 minutesTotal Scraper team cycle time: 2.70 minutesAdjusted for job conditions: 1,069.78 LCY/HourSelected Number of Scrapers: 2 Scraper(s)Adjusted single scraper team (unit) hourly production: 1,069.78 LCY/HourAdjusted multiple scraper team (fleet) hourly production: 1,069.78 LCY/HourUnadjusted unit production/hour: 1,288.89 LCY/Hour

Optimal Number of Scrapers per push dozer: \_\_\_\_\_

**JOB TIME AND COST**Fleet size: 1 Team(s)Total job time: 7.69 HoursUnit cost: \$1.785 /LCYTotal job cost: \$14,685



**BULLDOZER WORK**Task description: **Regrade old lease area**Site: **Berry Pit** Permit Action: **2021** Permit/Job#: **M1977132****PROJECT IDENTIFICATION**

Task #: **04A** State: **Colorado** Abbreviation: **None**  
 Date: **7/13/2021** County: **Rio Blanco** Filename: **M132-04a**  
 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:	\$97.46	NA
Operating Cost/Hour:	\$97.63	100
Ripper own. Cost/Hour:	\$15.19	NA
Ripper op. Cost/Hour:	\$9.94	100
Operator Cost/Hour:	\$41.30	NA

Total unit Cost/Hour: **\$261.52**  
 Total Fleet Cost/Hour: **\$261.52**

**MATERIAL QUANTITIES**

Initial Volume: **48,000**  
 Swell factor: **1.090**  
 Loose volume: **52,320 LCY**

Source of estimated volume: **AM-1 Exhibit L**  
 Source of estimated swell factor: **Cat Handbook**

**HOURLY PRODUCTION**

Average push distance: **100 feet**  
 Unadjusted hourly production: **852.6 LCY/hr**

Materials consistency description: **Partly consolidated stockpile 1.1**

Average push gradient: **5 %**  
 Average site altitude: **6,350 feet**

Material weight: **2,400 lbs/LCY**Weight description: **Clay and gravel - Dry****Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	1.100	(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:	0.903	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.958	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4147

Adjusted unit production: 353.57 LCY/hr

Adjusted fleet production: **353.57** LCY/hr

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)

Unit cost: \$0.740/LCY

Total job time: **147.98** Hours

Total job cost: **\$38,699**

**BULLDOZER WORK**Task description: Regrade sediment pondSite: Berry Pit Permit Action: 2021 Permit/Job#: M1977132**PROJECT IDENTIFICATION**

Task #: 05A State: Colorado Abbreviation: None  
 Date: 7/13/2021 County: Rio Blanco Filename: M132-05a  
 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>\$97.46</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$97.63</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$15.19</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$9.94</u>	<u>100</u>
Operator Cost/Hour:	<u>\$41.30</u>	<u>NA</u>

Total unit Cost/Hour: \$261.52  
 Total Fleet Cost/Hour: \$261.52

**MATERIAL QUANTITIES**

Initial Volume: 4,000  
 Swell factor: 1.135  
 Loose volume: 4,540 LCY

Source of estimated volume: AM-1 Exhibit L  
 Source of estimated swell factor: Cat Handbook

**HOURLY PRODUCTION**

Average push distance: 115 feet  
 Unadjusted hourly production: 776.8 LCY/hr

Materials consistency description: Compacted fill or embankment 0.9

Average push gradient: 0 %  
 Average site altitude: 6,350 feet

Material weight: 2,700 lbs/LCYWeight description: Sand and clay - Loose**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>0.900</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:	0.852	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3819

Adjusted unit production: 296.66 LCY/hr

Adjusted fleet production: **296.66** LCY/hr

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)

Unit cost: \$0.882/LCY

Total job time: **15.30** Hours

Total job cost: **\$4,002**

**BULLDOZER WORK**Task description: Regrade protection berm topsoilSite: Berry PitPermit Action: 2021Permit/Job#: M1977132**PROJECT IDENTIFICATION**Task #: 06AState: ColoradoAbbreviation: NoneDate: 7/13/2021County: Rio BlancoFilename: M132-06aUser: ACYAgency 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:	\$97.46	NA
Operating Cost/Hour:	\$97.63	100
Ripper own. Cost/Hour:	\$15.19	NA
Ripper op. Cost/Hour:	\$9.94	100
Operator Cost/Hour:	\$41.30	NA

Total unit Cost/Hour: \$261.52Total Fleet Cost/Hour: \$261.52**MATERIAL QUANTITIES**Initial Volume: 39,200Swell factor: 1.135Loose volume: 44,492 LCYSource of estimated volume: AM-1 Exhibit LSource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 115 feetUnadjusted hourly production: 776.8 LCY/hrMaterials consistency description: Compacted fill or embankment 0.9Average push gradient: 5 %Average site altitude: 6,350 feetMaterial weight: 2,700 lbs/LCYWeight description: Sand and clay - Loose**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:	0.852	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3448

Adjusted unit production: 267.84 LCY/hr

Adjusted fleet production: **267.84** LCY/hr

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)

Unit cost: \$0.976/LCY

Total job time: **166.11** Hours

Total job cost: **\$43,443**

**REVEGETATION WORK**Task description: **Revegetation**Site: **Berry Pit**Permit Action: 2021Permit/Job#: M1977132**PROJECT IDENTIFICATION**Task #: 07AState: ColoradoAbbreviation: NoneDate: 7/13/2021County: Rio BlancoFilename: M132-07aUser: ACYAgency or organization name: DRMS**FERTILIZING****Materials**

<b>Description</b>	<b>Units / Acre</b>	<b>Unit</b>	<b>Cost / Unit</b>	<b>Cost /Acre</b>
10-34-0, 18-46-0, 5-10-5	200.00	pound	\$0.37	\$74.00
			<b>Total Fertilizer Materials Cost/Acre</b>	<b>\$74.00</b>

**Application**

<b>Description</b>	<b>Cost /Acre</b>
Tractor towed spreader (MEANS 32 01 90.13 0120)	\$38.77
<b>Total Fertilizer Application Cost/Acre</b>	<b>\$38.77</b>

**TILLING**

<b>Description</b>	<b>Cost /Acre</b>
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$114.56
<b>Total Tilling Cost/Acre</b>	<b>\$114.56</b>

**SEEDING**

<b>Seed Mix</b>	<b>Rate – PLS LBS / Acre</b>	<b>Seeds per SQ. FT</b>	<b>Cost /Acre</b>
Indian Ricegrass - Nespar	2.50	8.09	\$22.19
Beardless Wheatgrass - Whitmar	2.40	7.82	\$28.14
Russian Wildrye - Vinal	2.00	8.03	\$12.36
Streambank Wheatgrass - Sodar	2.20	7.17	\$12.54
Western Wheatgrass - Arriba	3.20	8.08	\$20.80
Sagebrush, Mountain or Big	1.00	52.80	\$19.75
<b>Totals Seed Mix</b>	<b>13.30</b>	<b>92.00</b>	<b>\$115.78</b>

**Application**

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

## MULCHING and MISCELLANEOUS

## Materials

<b>Description</b>	<b>Units / Acre</b>	<b>Unit</b>	<b>Cost / Unit</b>	<b>Cost /Acre</b>
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$2.98	\$2.98
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$307.02	\$614.04
<b>Total Mulch Materials Cost/Acre</b>				<b>\$617.02</b>

## Application

Application	
Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$71.57
Power mulcher (MEANS 32 91 13.16 0350)	\$106.29
Weed spray, truck, non-aquatic area, nox. [DMG]	\$62.72
<b>Total Mulch Application Cost/Acre</b>	<b>\$240.58</b>

## 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>49.45</u>	Cost /Acre:	<u>\$1,432.71</u>
Estimated Failure Rate:	<u>25%</u>	Cost /Acre*:	<u>\$1,432.71</u>
*Selected Replanting Work Items:	<u>FERTILIZING,TILLING,SEEDING,MU LCHING</u>		
Initial Job Cost:	<u><b>\$70,847.51</b></u>		
Reseeding Job Cost:	<u><b>\$17,711.88</b></u>		
Total Job Cost:	<u><b>\$88,559</b></u>		
Job Hours:	<u><b>60.00</b></u>		



**EQUIPMENT MOBILIZATION/DEMOBILIZATION**Task description: **Mobilization**Site: **Berry Pit**Permit Action: **2021**Permit/Job#: **M1977132****PROJECT IDENTIFICATION**Task #: **08A**State: **Colorado**Abbreviation: **None**Date: **7/13/2021**County: **Rio Blanco**Filename: **M132-08a**User: **ACY**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:**

<b>Available Rig Capacities</b>	<b>0-25 Tons</b>	<b>26-50 Tons</b>	<b>51+ Tons</b>
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 D7R DS Series II LGP	38.49	\$90.34	\$132.49	2	\$445.66	\$264.98	\$500.00
Cat 637G w/push- pull	59.59	\$223.48	\$147.95	2	\$742.86	\$295.90	\$500.00
CAT 14M	23.57	\$85.80	\$68.37	1	\$154.17	\$68.37	\$250.00
Water Tanker, 7,000 Gal.	29.65	\$53.88	\$132.49	1	\$186.37	\$132.49	\$250.00
Drill/Broadcast Seeder with Tractor	25.00	\$7.98	\$68.37	1	\$76.35	\$68.37	\$250.00
Power Mulcher (Bowie LD-90)	6.00	\$14.98	\$68.37	1	\$83.35	\$68.37	\$250.00

Subtotals: **\$1,688.76** **\$898.48** **\$2,000.00****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	\$20.51	2	\$41.02	\$41.02

Subtotals: 

<b>\$41.02</b>	<b>\$41.02</b>
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**EQUIPMENT HAUL DISTANCE and Time**

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

Total Non-Roadable Mob/Demob Cost \* \$12,552.00  
 '\* two round trips with haul rig:  
 Total Roadable Mob/Demob Cost \*\* \$82.04  
 \*\* one round trip, no haul rig:

**Transportation Cycle Time:**

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	1.00	1.00
Return Time (Hours):	1.00	1.00
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	3.00	2.00

**JOB TIME AND COST**

Total job time: 6.00 Hours

Total job cost: \$12,634

**EQUIPMENT MOBILIZATION/DEMOBILIZATION**Task description: **Secondary Mobilization**Site: **Berry Pit**Permit Action: **2021**Permit/Job#: **M1977132****PROJECT IDENTIFICATION**Task #: **08B**State: **Colorado**Abbreviation: **None**Date: **7/13/2021**County: **Rio Blanco**Filename: **M132-08b**User: **ACY**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:**

<b>Available Rig Capacities</b>	<b>0-25 Tons</b>	<b>26-50 Tons</b>	<b>51+ Tons</b>
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
Drill/Broadcast Seeder with Tractor	25.00	\$7.98	\$68.37	1	\$76.35	\$68.37	\$250.00
Power Mulcher (Bowie LD-90)	6.00	\$14.98	\$68.37	1	\$83.35	\$68.37	\$250.00
Subtotals:					<b>\$159.70</b>	<b>\$136.74</b>	<b>\$500.00</b>

**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	\$20.51	2	\$41.02	\$41.02
Subtotals:			<b>\$41.02</b>	<b>\$41.02</b>

**EQUIPMENT HAUL DISTANCE and Time**

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

Total Non-Roadable Mob/Demob Cost \* \$1,912.28  
 \* two round trips with haul rig:  
 Total Roadable Mob/Demob Cost \*\* \$82.04  
 \*\* one round trip, no haul rig:

**Transportation Cycle Time:**

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	1.00	1.00
Return Time (Hours):	1.00	1.00
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	3.00	2.00

**JOB TIME AND COST**

Total job time: 6.00 Hours

Total job cost: \$1,994



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

1313 Sherman Street, Room 215  
Denver, CO 80203

July 13, 2021

Jason Burkey  
Oldcastle SW Group, Inc. dba United Companies of Mesa County  
2273 River Road  
Grand Junction, CO 81505

***RE: Berry Pit, Permit No. M-1979-132, Reclamation Cost Estimate***

Dear Mr. Burkey:

This reclamation cost update was in response to the site inspection conducted on May 25, 2021. There have been no surety increases since SI-6 in 2017. It is Division policy to periodically update its costs to ensure that the Financial Warranty adequately, reflects the actual current cost of fulfilling the requirements of the approved reclamation plan.

Below is a table summarizing input values that have been updated since the SI-6 calculation. A revised Exhibit L was found and is attached, this bond calculation is based on that worst case scenario in the approved reclamation permit. This table does not account for price changes resulting from inflation or other RS Means cost changes. It is noted that over the past few years the Division has had several significant cost changes that needed to be accounted for resulting in increased cost.

Task	Form Used	Change	Description
01a	Dozer	-	Previously 16,500 CY changed to 14,500 CY
02a	Scraper	-	Previously 4.1ac @ 6,614 CY changed to 3.4 ac @ 5,485 CY
03a	Scraper	-	Previously 9,921 CY changed to 8,228
04a	Scraper	+	Previously 8,000 CY Changed to 48,000 CY
05a	Scraper	-	Previously 6,400 CY changed to 4,000 CY
06a	Dozer	+	Previously 6,400 CY changed to 39,200 CY



07a	Reveg	+	Previously 44.8 ac @ 40 hrs changed to 49.45 ac @ 60 hrs
Indirect Costs		No changes	

The updated reclamation cost estimate is a total of \$293,049 which is a \$106,899.47 increase over the currently held bond amount of 186,149.53. The Division acknowledges that this is a significant increase. Please review the enclosed figures as soon as possible and contact our office if any calculation errors are noted. If no comments are received by Monday, August 23, 2021 than it is the Divisions understanding that the operator has no objections to the bond calculated on July 13, 2021 for the amount of \$293,049 according the current permit conditions. At that time a Notice for Surety Increase will be issued for the above amount as required by the Act and Rules.

Please feel free to contact me with any further questions. 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 303-866-3567 Ext 8183 or via email at amy.yeldell@ state.co.us

Sincerely,



**Amy Yeldell**  
Environmental Protection Specialist

Ec:  
Travis Marshall, Senior EPS, Grand Junction DRMS