



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

1313 Sherman St. Room 215  
Denver, CO 80203

July 13, 2021

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

**Re: White River City Pit, Permit No. M-2006-084, Financial Warranty Increase, Revision No. SI-2**

Dear Mr. Burkey:

On July 13, 2021 the Division of Reclamation, Mining and Safety increased the current Financial Warranty for this permit to \$539,225.00, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of \$91,979.21.

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 The Division such that we may send you the applicable form.

If you have any questions, please contact me.

Sincerely,

Amy C. Yeldell  
Environmental Protection Specialist

Enclosures: Reclamation Cost Estimate

cc: Sara M. Stevenson-Benn, DRMS  
Jeff Thompson, DRMS

M-FW-14



## COST SUMMARY WORK

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

Site: White River City Pit

Permit Action: 2021

Permit/Job#: M2006084

### PROJECT IDENTIFICATION

Task #: ACY

State: Colorado

Abbreviation: None

Date: 7/13/2021

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	Dewatering of pit	PUMPING	1	808.31	\$38,508
02a	Construction of wetland shelf in Phase 3	DOZER	4	281.45	\$266,128
02b	Grading of pit slopes from 2H:1V to 3H:1V	DOZER	4	6.83	\$6,457
03a	Rip compacted areas prior to topsoiling	RIPPER	4	8.59	\$8,987
04a	Spread topsoil on wetland shelf	DOZER	4	22.94	\$21,688
05a	Revegetate 11.8 acres with dry land seed mix	REVEGE	1	16.00	\$19,855
06a	Revegetate 11.4 acres with riparian seed mix	REVEGE	1	16.00	\$30,815
07a	Initial Mobilization	MOBILIZE	1	6.00	\$10,177
07b	Initial Mobilization	MOBILIZE	1	6.00	\$3,552
<b><u>SUBTOTALS:</u></b>				<b>1172.12</b>	<b>\$406,167</b>

### INDIRECT COSTS

#### OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$8,205
Performance bond:	1.05	Total =	\$4,265
Job superintendent:	586.06	Total =	\$42,214
Profit:	10.00	Total =	\$40,617
		TOTAL O & P =	\$95,300
		CONTRACT AMOUNT (direct + O & P) =	\$501,467

#### 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		\$25,073

CONTINGENCY: 3.00 Total = \$12,185

TOTAL INDIRECT COST = \$133,058

**TOTAL BOND AMOUNT (direct + indirect) = \$539,225**

## PUMPING WORK

Task description: Dewatering of pit

Site: White River City Pit

Permit Action: 2021

Permit/Job#: M2006084

### PROJECT IDENTIFICATION

Task #: 01A

State: Colorado

Abbreviation: None

Date: 7/13/2021

County: Rio Blanco

Filename: M084-01a

User: ACY

Agency or organization name: DRMS

### HOURLY EQUIPMENT COST

	Description	Quantity
Make and Model:	Submersible pump - 460v, 6 in.	1
Attachment 1:	Suction hose - 6 in. diam., 25 ft.	1
Attachment 2:	Discharge hose - 6 in. D., 25 ft.	3
Labor Unit 1:	Pump operator (same as 1st)	1

Horsepower: 60

Shift Basis: 1 per day

Weight: 0.45

(US Tons)

#### Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	\$15.55	NA
Operating Cost/Hour:	\$4.41	100
Operator Cost/Hour:	\$27.68	NA
Total Unit Cost/Hour:	\$47.64	

Total Fleet Cost/Hour: \$47.64

### PUMPING QUANTITIES

Initial Pond Volume:	354.70		Conversion factor:	325850.5800
Final Pond Volume:	<b>115,579,200.73</b>	gallons		
Total Pond Inflow Surface Area:	1,000	Sq. ft.	Unit inflow rate in gph/sq. ft.:	0.0879
Total Pond Inflow Volume per Hour:	87.90	gallons		

Source of estimated volume: Previously excepted values

### PUMPING TIME

Maximum Pump Capacity:	130,000	gph/pump
Estimated Suction Head:	15	feet
Estimated Discharge Head:	10	feet
Total Head:	25	feet
CPB Pump Capacity:	123,300	gph/pump
Site Altitude:	5,700	feet
Adjusted Pumping Capacity:	123,300	gph
Initial Unadjusted Pumping Time:	937.38	hours
Inflow during Initial Pumping:	82,396	gallons
Net Unadjusted Pumping Time:	938.05	Hours
Altitude Adjustment Factor:	1.0000	(3% rule)
Pump Efficiency Factor:	0.9167	(55 min./hr.)
Total Adjusted Pumping Time:	859.91	hours

### JOB TIME AND COST

Total job time: **859.91** Hours

Unit cost: \$0.000354 /Gallon

Total job cost: **\$40,966**

**BULLDOZER WORK**Task description: **Construction of wetland shelf in Phase 3**Site: **White River City Pit** Permit Action: **2021** Permit/Job#: **M2006084****PROJECT IDENTIFICATION**

Task #: **02A** State: **Colorado** Abbreviation: **None**  
 Date: **7/13/2021** County: **Rio Blanco** Filename: **M084-02a**  
 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:	\$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: **\$945.57**

**MATERIAL QUANTITIES**

Initial Volume: **229,931**  
 Swell factor: **1.000**  
 Loose volume: **229,931 LCY**

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

**HOURLY PRODUCTION**

Average push distance: **250 feet**  
 Unadjusted hourly production: **377.8 LCY/hr**

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

Average push gradient: **-5 %**  
 Average site altitude: **5,700 feet**

Material weight: **2,600 lbs/LCY**Weight description: **Clay and gravel - Wet****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:	0.800	(FND-RF)
Push gradient:	1.115	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.885	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.5406

Adjusted unit production: 204.24 LCY/hr

Adjusted fleet production: **816.96 LCY/hr**

### **JOB TIME AND COST**

Fleet size: 4 Dozer(s)

Unit cost: \$1.157/LCY

Total job time: **281.45 Hours**

Total job cost: **\$266,128**

**BULLDOZER WORK**Task description: Grading of pit slopes from 2H:1V to 3H:1VSite: White River City Pit Permit Action: 2021 Permit/Job#: M2006084**PROJECT IDENTIFICATION**

Task #: 02B State: Colorado Abbreviation: None  
 Date: 7/13/2021 County: Rio Blanco Filename: M084-02b  
 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: \$945.57

**MATERIAL QUANTITIES**

Initial Volume: 8,454  
 Swell factor: 1.090  
 Loose volume: 9,215 LCY

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

**HOURLY PRODUCTION**

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

Materials consistency description: Consolidated stockpile 1.0

Average push gradient: -5 %  
 Average site altitude: 5,700 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>1.000</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:	1.115	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.958	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.5319

Adjusted unit production: 337.38 LCY/hr

Adjusted fleet production: **1349.52** LCY/hr

### **JOB TIME AND COST**

Fleet size: 4 Dozer(s)

Unit cost: \$0.701/LCY

Total job time: **6.83** Hours

Total job cost: **\$6,457**

## BULLDOZER RIPPING WORK

Task description: Rip compacted areas prior to topsoiling

Site: White River City Pit Permit Action: 2021 Permit/Job#: M2006084

### PROJECT IDENTIFICATION

Task #: 03A State: Colorado Abbreviation: None  
Date: 7/13/2021 County: Rio Blanco Filename: M084-03a  
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:	\$97.46	NA
Operating Cost/Hour:	\$97.63	100
Ripper Ownership Cost/Hour:	\$15.19	NA
Ripper Operating Cost/Hour:	\$9.94	100
Operator Cost/Hour:	\$41.30	NA
Total Unit Cost/Hour:	\$261.52	
Total Fleet Cost/Hour:	<b>\$1,046.09</b>	

### MATERIAL QUANTITIES

Selected estimating method: Area

#### Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA  
Area: 23.20 acres Rip Depth (ft): 2.00 Volume: 74,859 BCY or CCY

Source of estimated quantity: Table L-1

### 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: 400.00 feet/pass  
Average Dozer Speed: 88.00 feet/minute  
Average Maneuver Time: 0.25 minutes/pass  
Production per unit area: 0.813 acres/hour

#### Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.813 Acres/hr  
Site Altitude: 5,700 feet  
Altitude Adj: 1.00 (CAT HB)  
Job Efficiency: 0.83 (1 shift/day)  
Net Correction: 0.83 multiplier

Adjusted Hourly Unit Production: 0.68 Acres/hr  
Adjusted Hourly Fleet Production: 2.70 Acres/hr

### JOB TIME AND COST

Fleet size: 4 Grader(s) Total job time: 8.59 Hours

Unit cost: \$387.347 Per acre Total job cost: \$8,987



**BULLDOZER WORK**Task description: Spread topsoil on wetland shelfSite: White River City Pit Permit Action: 2021 Permit/Job#: M2006084**PROJECT IDENTIFICATION**

Task #: 04A State: Colorado Abbreviation: None  
 Date: 7/13/2021 County: Rio Blanco Filename: M084-04a  
 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: \$945.57

**MATERIAL QUANTITIES**

Initial Volume: 18,392  
 Swell factor: 1.000  
 Loose volume: 18,392 LCY

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

**HOURLY PRODUCTION**

Average push distance: 350 feet  
 Unadjusted hourly production: 233.3 LCY/hr

Materials consistency description: Loose stockpile 1.2

Average push gradient: 0 %  
 Average site altitude: 5,700 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>1.200</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: 0.8593

Adjusted unit production: 200.47 LCY/hr

Adjusted fleet production: **801.88** LCY/hr

### **JOB TIME AND COST**

Fleet size: 4 Dozer(s)

Unit cost: \$1.179/LCY

Total job time: **22.94** Hours

Total job cost: **\$21,688**

**REVEGETATION WORK**Task description: Revegetate 11.8 acres with dry land seed mixSite: White River City PitPermit Action: 2021Permit/Job#: M2006084**PROJECT IDENTIFICATION**Task #: 05AState: ColoradoAbbreviation: NoneDate: 7/13/2021County: Rio BlancoFilename: M084-05aUser: ACYAgency or organization name: DRMS**FERTILIZING****Materials**

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

**Application**

Description	Cost /Acre
	\$
<b>Total Fertilizer Application Cost/Acre</b>	<b>\$0.00</b>

**TILLING**

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

**SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Alkali Sacaton	0.50	19.51	\$14.24
Crested Wheatgrass - Fairway	1.50	6.89	\$6.04
Yellow Sweet Clover - Madrid	1.50	8.95	\$4.24
Galleta	3.00	10.95	\$67.05
Streambank Wheatgrass - Sodar	3.00	9.78	\$17.10
Thickspike Wheatgrass - Critana	3.00	10.61	\$20.63
Rabbitbrush, Rubber	0.25	3.72	\$16.07
Saltbush, Four Wing	0.25	0.34	\$3.13
Sumac, Smooth	0.25	0.28	\$7.38

<b>Totals Seed Mix</b>	13.25	71.04	<b>\$155.86</b>
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**Application**

<b>Description</b>	<b>Cost /Acre</b>
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**

<b>Description</b>	<b>Cost /Acre</b>
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**

<b>Common Name</b>	<b>No / Acre</b>	<b>Type and Size</b>	<b>Planting Cost</b>	<b>Fertilizer Pellet Cost</b>	<b>Cost /Acre</b>
					\$
<b>Totals Nursery Stock Cost / Acre</b>					<b>\$0.00</b>

**JOB TIME AND COST**

No. of Acres: 11.8                      Cost /Acre: \$1,360.02  
 Estimated Failure Rate: 30%                      Cost /Acre\*: \$1,360.02  
 \*Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: **\$16,048.24**  
 Reseeding Job Cost: **\$4,814.47**  
 Total Job Cost: **\$20,863**  
 Job Hours: **16.00**

**REVEGETATION WORK**Task description: Revegetate 11.4 acres with riparian seed mixSite: White River City PitPermit Action: 2021Permit/Job#: M2006084**PROJECT IDENTIFICATION**Task #: 06AState: ColoradoAbbreviation: NoneDate: 7/13/2021County: Rio BlancoFilename: M084-06aUser: ACYAgency or organization name: DRMS**FERTILIZING****Materials**

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

**Application**

Description	Cost /Acre
	\$
<b>Total Fertilizer Application Cost/Acre</b>	<b>\$0.00</b>

**TILLING**

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

**SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Alkali Sacaton	2.00	78.05	\$56.95
Aquatic Sedge	2.00	52.90	\$350.00
Great Basin Wildrye - Magnar	3.00	12.19	\$34.65
Slender Wheatgrass - Native	6.00	21.90	\$27.75
Slender Wheatgrass - Pryor	6.00	21.90	\$25.50
Red Top	2.00	229.11	\$15.75
Reedgrass, Canadian (or Blue Joint)	1.00	102.85	\$203.25
Reedgrass, Northern - Native	1.00	102.85	\$136.65
Saltgrass, Inland	2.00	27.72	\$85.60
Timothy, Alpine - Native	2.00	59.69	\$48.50

<b>Totals Seed Mix</b>	27.00	709.16	<b>\$984.60</b>
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**Application**

<b>Description</b>	<b>Cost /Acre</b>
Hydro seeding (MEANS 32 92 19.14 0200)	\$965.73
<b>Total Seed Application Cost/Acre</b>	<b>\$965.73</b>

**MULCHING and MISCELLANEOUS****Materials**

<b>Description</b>	<b>Units / Acre</b>	<b>Unit</b>	<b>Cost / Unit</b>	<b>Cost /Acre</b>
Herbicide - Glyphosate (Journey)@ 1.0 pt/ac	1.00	ACRE	\$4.52	\$4.52
<b>Total Mulch Materials Cost/Acre</b>				<b>\$4.52</b>

**Application**

<b>Description</b>	<b>Cost /Acre</b>
Weed spray, hand, aquatic area, nox. [DMG]	\$183.16
<b>Total Mulch Application Cost/Acre</b>	<b>\$183.16</b>

**NURSERY STOCK PLANTING**

<b>Common Name</b>	<b>No / Acre</b>	<b>Type and Size</b>	<b>Planting Cost</b>	<b>Fertilizer Pellet Cost</b>	<b>Cost /Acre</b>
					\$
<b>Totals Nursery Stock Cost / Acre</b>					<b>\$0.00</b>

**JOB TIME AND COST**

No. of Acres: 11.4 Cost /Acre: \$2,252.57  
 Estimated Failure Rate: 20% Cost /Acre\*: \$2,252.57  
 \*Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: **\$25,679.30**  
 Reseeding Job Cost: **\$5,135.86**  
 Total Job Cost: **\$30,815**  
 Job Hours: **16.00**

**EQUIPMENT MOBILIZATION/DEMOBILIZATION**Task description: **Initial Mobilization**Site: **White River City Pit**Permit Action: **2021**Permit/Job#: **M2006084****PROJECT IDENTIFICATION**Task #: **07A**State: **Colorado**Abbreviation: **None**Date: **7/13/2021**County: **Rio Blanco**Filename: **M084-07a**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	4	\$891.32	\$529.96	\$1,000.00
Drill/Broadcast Seeder with Tractor	25.00	\$7.98	\$68.37	1	\$76.35	\$68.37	\$250.00
Hydroseeder with Tractor	28.00	\$13.97	\$132.49	1	\$146.46	\$132.49	\$250.00
Power Mulcher (Bowie LD-90)	6.00	\$14.98	\$68.37	1	\$83.35	\$68.37	\$250.00

Subtotals: **\$1,197.48** **\$799.19** **\$1,750.00****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	\$48.19	3	\$144.57	\$144.57

Subtotals: **\$144.57** **\$144.57**

**EQUIPMENT HAUL DISTANCE and Time**

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

Total Non-Roadable Mob/Demob Cost \* \$9,888.30  
 \*\* two round trips with haul rig:  
 Total Roadable Mob/Demob Cost \*\* \$289.14  
 \*\* 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: \$10,177



**EQUIPMENT MOBILIZATION/DEMOBILIZATION**Task description: **Initial Mobilization**Site: **White River City Pit**Permit Action: **2021**Permit/Job#: **M2006084****PROJECT IDENTIFICATION**Task #: **07B**State: **Colorado**Abbreviation: **None**Date: **7/13/2021**County: **Rio Blanco**Filename: **M084-07b**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
Hydroseeder with Tractor	28.00	\$13.97	\$132.49	1	\$146.46	\$132.49	\$250.00
Power Mulcher (Bowie LD-90)	6.00	\$14.98	\$68.37	1	\$83.35	\$68.37	\$250.00

Subtotals: **\$306.16** **\$269.23** **\$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	\$48.19	3	\$144.57	\$144.57

Subtotals: **\$144.57** **\$144.57**

**EQUIPMENT HAUL DISTANCE and Time**

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

Total Non-Roadable Mob/Demob Cost \* \$3,263.10  
 \* two round trips with haul rig:  
 Total Roadable Mob/Demob Cost \*\* \$289.14  
 \*\* 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: \$3,552



**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: White River City Pit, Permit No. M-2006-084, Reclamation Cost Estimate SI-2***

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-1 in 2014. 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-4 calculation. 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	Pumping	-	Selected a more efficient pump from available options
02a	Dozer	N/A	No change
02b	Dozer	N/A	No changes
03a	Ripper	N/A	No changes
04	Dozer	N/A	No changes
05a	Reveg	+	Add weed spraying
06a	Reveg	-	Removed Mulching per Rec Plan



			Add weed spraying
07a	Mob	+	Mileage from Rifle rather than Meeker, more accurate
07b	Mob	+	Added secondary mobilization for reclamation failure
Indirect Costs		No changes	

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