

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

Amy Geldell

Environmental Protection Specialist

cc: Sara M. Stevenson-Benn, DRMS

M-FW-14



COST SUMMARY WORK

e: _	Berry Pit	Permit Action:	2021		Permit/Jo	b#: <u>M1977132</u>
PR	OJECT IDENTIFICATION	<u>ON</u>				
	Task #: ACY	State: Colorado		1	Abbreviation:	None
	Date: 7/13/2021	County: Rio Blance	0		Filename:	M132-ACY
	User: ACY					
	Agency or organization	name: DRMS				
<u>TA</u>	Agency or organization SK LIST (DIRECT COS)					
			Form	Fleet	Task	
			Form Used	Fleet Size	Task Hours	Cost
	SK LIST (DIRECT COS	<u>TS)</u>				Cost \$12,827
	SK LIST (DIRECT COS'	TS) a strips to final grade	Used		Hours	
	SK LIST (DIRECT COS' Description Regrade two new lease area	rs) a strips to final grade 4 acres at 1' depth	Used DOZER		Hours 54.26	\$12,827
<u>TA</u> k	Description Regrade two new lease area Replace overburden over 3.	rs) a strips to final grade 4 acres at 1' depth	Used DOZER SCRAPER1		Hours 54.26 4.84	\$12,827 \$8,951

DOZER

REVEGE

MOBILIZE

MOBILIZE

1

1

1

SUBTOTALS:

166.11

60.00

6.00

6.00

468.18

\$43,443

\$88,559

\$12,634

\$1,994

\$225,794

INDIRECT COSTS

Revegetation

Mobilization

06a

07a

08a

08b

OVERHEAD AND PROFIT:

Regrade protection berm topsoil

Secondary Mobilization

Liability insurance:2.02Total =\$4,561Performance bond:1.05Total =\$2,371Job superintendent:234.09Total =\$16,862

Profit: 10.00 Total = 22,579 TOTAL O & P = 46,373

CONTRACT AMOUNT (direct + O & P) = $\frac{$440,375}{$272,167}$

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$500 Total = \$500

Engineering work and/or contract/bid preparation: 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:	Regr	ade two nev	lease area	strips to final	grade		
: Berry Pit		Per	mit Action:	2021		Permit/Job#:	M1977132
PROJECT IDEN	TIFICATION	<u>ON</u>					
Task #: 01A		State:	Colorado			Abbreviation:	None
Date: $\frac{-311}{7/13/2}$	2021	County:	Rio Blance)		Filename:	M132-01a
User: ACY		J				-	
Agency or	organization	name: DF	RMS				
HOURLY EQUI	PMENT CO	<u>DST</u>					
Basic Machine:	Cat D8T - 8	SSU					
Horsepower:	310						
Blade Type:	Semi-Unive	ersal					
Attachment:	NA						
Shift Basis:	1 per day						
Data Source:	(CRG)			<u>—</u>			
Cost Breakdown:							
			.		ation %		
Ownership Cost/H			\$97.46		NA		
Operating Cost/H			\$97.63		00		
Ripper own. Cost/H			\$0.00		NA O		
Ripper op. Cost/H			\$0.00		0		
Operator Cost/H	our:		\$41.30		IA .		
MATERIAL QU Initial Volume: Swell factor:	14,500 1.090		_				
Loose volume:	15,805 LCY		_				
Source of estimated Source of estimated		AM-1 Ex Cat Hand					
HOURLY PROD	<u>OUCTION</u>						
Average push distant Unadjusted hourly p		150 feet 634.3 LCY/	'hr				
Materials consistence	cy description	Partly o	consolidated	stockpile 1.1			
Average push gradie Average site altitude		feet					
Material weight:		lbs/LCY					
Weight description:	Clay a	and gravel - l	Ory				
Job Condition Corre				1	Source		
	rator Skill:		750		(AVG.)		
Material co			100	(CAT HB)		
Dozir	ng method:		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:	0.958	(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

Payload Capacity: 34.00 LCY

SCRAPER TEAM WORK

Task description:	Replace ov	erburden	over 3.	4 acres at 1' dept	th			
Site: Berry Pit		Permit	Action:	2021	Peri	mit/Job#:	M1977	7132
PROJECT IDEN	TIFICATION							
Task #: 02A			olorado			viation:	None	
Date: $\frac{7/13/2}{\text{User:}}$	021 Co	unty: R	io Blanc	20	Fil	ename:	M132-0)2a
	organization name:	DRMS	2					
Agency of	organization name.	DKWK	•					
HOURLY EQUIP	<u>PMENT</u>			COSTS	hift basis: 1 per d	<u>ay</u>		
				ent Description				
		Scraper:		7G w/push-pull T - 8SU				
Suppo	ort Equipment -Loa			T - 8SU				
Бирре	1 1	p Area:		T - 8SU				
Road Ma	intenance –Motor	<u> </u>	CAT 1					
	-Water	Truck:	Water	Γanker, 7,000 Gal				
Cost Breakdown:	Scraper Wo	rk Team		Support Equip	oment	Mair	ntenance l	Equipment
	Scraper	Doz	er	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	\$	697.63	\$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	\$	641.30	\$41.30	\$41.30		\$28.56	\$0.00
Unit Subtotals:	\$448.15	\$2	236.39	\$261.52	\$187.58	\$	3174.76	\$91.50
Number of Units:	2		1	1	1		1	1
Group Subtotals:	Work:	\$1,132	2.69	Support:	\$449.10		Maint:	\$266.26
Total work team cos	t/hour: \$1,848.05							
MATERIAL QUA	<u>ANTITIES</u>							
Initial volume:	5,485		CCY	Swell fact	tor: 1.090			
Loose volume:	5,979	· 	LCY					
Sou	arce of estimated vo	olume:	AM-1 E	xhibit L				
Source	of estimated swell	factor:	Cat Han	dbook				
HOURLY PROD	UCTION							
				Scraper Bo	owl (volume) Bas	is:		
Material weight:	2,400 lbs/LCY			· · · · · · · · · · · · · · · · · · ·	Volume: 24.00	-	1.0	CY
Material description:	Clay and gravel -	- Dry		Heaped				CY
Rated Payload:	81,600 pounds			Average				CY

LCY

Adjusted Capacity: 29.00

Site Altitude: 6350 feet

$C_{\mathbf{v}}$	ycle	Time	e:

Scraper Loading Time: 1.00 Minutes
Maneuver and Spread Time: 0.60 Minutes

Job Condition Correction:

	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 3.0

Haul 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 minutes

Return 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

0.29 minutes Return Time: Total Scraper team cycle time: 2.34 minutes Adjusted for job conditions: 1,234.36 LCY/Hour Selected Number of Scrapers: 2 Scraper(s) Adjusted single scraper team (unit) hourly production: 1,234.36 LCY/Hour Adjusted multiple scraper team (fleet) hourly production: 1,234.36 LCY/Hour

Unadjusted 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	Hours
Unit cost:	\$1.497	/LCY	Total job cost:	\$8,951	

SCRAPER TEAM WORK

Task description:	Replace to	psoil from stockp	oile C on regrade	d strip		
Site: Berry Pit		Permit Action:	2021	Peri	mit/Job#: <u>M197</u>	7132
PROJECT IDEN [*] Task #: 03A Date: 7/13/20		State: Colorado unty: Rio Blanc			viation: None ename: M132-()3a
User: ACY						
Agency or o	organization name:	DRMS				
HOURLY EQUIP	PMENT_		COSTS	hift basis: 1 per d	<u>ay</u>	
		Equipm	ent Description			
		Scraper: Cat 63	7G w/push-pull			
Suppo	rt Equipment -Loa		8T - 8SU 8T - 8SU			
Зирр о			3T - 8SU			
Road Ma	intenance –Motor					
	-Water	Truck: Water	Tanker, 7,000 Gal			
Cost Breakdown:	Scraper Wo	rk Team	Support Equi	pment	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 MATERIAL QUA						
Initial volume:	8,228	CCY	Swell fac	tor: 1.000		
Loose volume:	8,228	LCY				
	rce of estimated vo					
HOURLY PROD	<u>UCTION</u>					
			Scraper B	owl (volume) Basi	is:	
Material weight: Material description:	1,600 lbs/LCY Top Soil		Heaped	Volume: 24.00 Volume: 34.00	Lo	CY CY
Rated Payload: Payload Capacity:	81,600 pounds 51.00 LCY		Average Adjusted (Volume: 29.00 Papacity: 29.00		CY CY

Site Altitude: 6350 feet

Cy	ıcle	Time:	•

Scraper Loading Time: 1.00 Minutes
Maneuver and Spread Time: 0.60 Minutes

Job Condition Correction:

	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 3.0

Haul 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** minutes

Return 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

0.66 minutes Return Time: Total Scraper team cycle time: 2.70 minutes Adjusted for job conditions: 1,069.78 LCY/Hour Selected Number of Scrapers: 2 Scraper(s) Adjusted single scraper team (unit) hourly production: LCY/Hour 1,069.78 Adjusted multiple scraper team (fleet) hourly production: 1,069.78 LCY/Hour

Unadjusted 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	Hours
Unit cost:	\$1.785	/LCY	Total job cost:	\$14.685	

BULLDOZER WORK

: Berry Pit	Permit Ac	tion: 2021	Permit/Job#:	M1977132
PROJECT IDENTIF	<u>ICATION</u>			
Task #: 04A	State: Colo	orado	Abbreviation:	None
Date: 7/13/2021		Blanco	Filename:	M132-04a
User: ACY	· ·			
Agency or organ	nization name: DRMS			
HOURLY EQUIPME	ENT COST			
Basic Machine: Cat Horsepower: 310	: D8T - 8SU			
	ni-Universal			
V 1	hank ripper			
	er day			
Data Source: (CF	•			
	- /			
Cost Breakdown:		TT4:1:=_/:-	2 0/	
Ownership Cost/Hour:	\$00	7.46 <u>Utilization</u>	<u>1 %</u>	
Operating Cost/Hour:		7.63 100		
Ripper own. Cost/Hour:		5.19 NA		
Ripper op. Cost/Hour:		9.94 100		
Operator Cost/Hour:		1.30 NA		
-	·	11/1		
Total unit Cost/Hour:	\$261.52			
Total Fleet Cost/Hour:	\$261.52			
MATERIAL QUANT	<u>TITIES</u>			
Initial Volume: 48,0	00			
Initial Volume: 48,0 Swell factor: 1.09	00			
Initial Volume: 48,0 Swell factor: 1.09 Loose volume: 52,3	00 0 20 LCY			
Initial Volume: 48,0 Swell factor: 1.09 Loose volume: 52,3 Source of estimated volume	00 0 20 LCY me: AM-1 Exhibit L			
Initial Volume: 48,0 Swell factor: 1.09 Loose volume: 52,3	00 0 20 LCY me: AM-1 Exhibit L	,		
Initial Volume: 48,0 Swell factor: 1.09 Loose volume: 52,3 Source of estimated volume	00 0 20 LCY me: AM-1 Exhibit L Cat Handbook	<u>, </u>		
Initial Volume: 48,0 Swell factor: 1.09 Loose volume: 52,3 Source of estimated volum Source of estimated swell HOURLY PRODUCT	me: AM-1 Exhibit L Cat Handbook	<u>, </u>		
Initial Volume: 48,0 Swell factor: 1.09 Loose volume: 52,3 Source of estimated volum Source of estimated swell	me: AM-1 Exhibit L factor: Cat Handbook TION 100 feet	<u>, </u>		
Initial Volume: 48,0 Swell factor: 1.09 Loose volume: 52,3 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance:	00 0 20 LCY me: AM-1 Exhibit L Cat Handbook FION 100 feet 852.6 LCY/hr	dated stockpile 1.1		
Initial Volume: 48,0 Swell factor: 1.09 Loose volume: 52,3 Source of estimated volumes ource of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency destance: Average push gradient:	me: AM-1 Exhibit L factor: Cat Handbook FION 100 feet etion: 852.6 LCY/hr Scription: Partly consoli			
Initial Volume: 48,0 Swell factor: 1.09 Loose volume: 52,3 Source of estimated volumes Source of estimated swells HOURLY PRODUCT Average push distance: Unadjusted hourly productions.	me: AM-1 Exhibit L factor: Cat Handbook FION 100 feet etion: 852.6 LCY/hr Partly consoli			
Initial Volume: 48,0 Swell factor: 1.09 Loose volume: 52,3 Source of estimated volumes ource of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency destance: Average push gradient:	me: AM-1 Exhibit L factor: Cat Handbook FION 100 feet etion: 852.6 LCY/hr Scription: Partly consoli			
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Initial Volume: 48,0 Swell factor: 1.09 Loose volume: 52,3 Source of estimated volumes of estimated swells HOURLY PRODUCT Average push distance: Unadjusted hourly product of the standard swells of the standard swell swells of the standard swell swells of the standard swells of the standard swell swells of the standard swells of the standard swell swells of the standard swell swe	me: AM-1 Exhibit L factor: Cat Handbook TION 100 feet 852.6 LCY/hr ccription: Partly consoli 5 % 6,350 feet 2,400 lbs/LCY Clay and gravel - Dry	dated stockpile 1.1	urce	
Initial Volume: 48,0 Swell factor: 1.09 Loose volume: 52,3 Source of estimated volumes Source of estimated swells HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency destance: Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction	OO	dated stockpile 1.1	urce /G.)	
Initial Volume: 48,0 Swell factor: 1.09 Loose volume: 52,3 Source of estimated volumes of estimated swells HOURLY PRODUCT Average push distance: Unadjusted hourly product of the standard swells of the standard swell swells of the standard swell swells of the standard swells of the standard swell swells of the standard swells of the standard swell swells of the standard swell swe	OO	dated stockpile 1.1 Sou (AV	urce /G.)	
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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)

Page 2 of 2

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 \$38,699

BULLDOZER WORK

Task description:	Regrade sediment pond			
: Berry Pit	Permit Action:	2021	Permit/Job#:	M1977132
PROJECT IDENTIFIC	<u>CATION</u>			
Task #: 05A	State: Colorado		Abbreviation:	None
Date: 7/13/2021	County: Rio Blanco		Filename:	M132-05a
User: ACY	<u> </u>		-	
Agency or organi	ization name: DRMS			
HOURLY EQUIPME	NT COST			
Basic Machine: Cat l	D8T - 8SU			
Horsepower: 310	D01 05C	_		
	i-Universal	_		
V 1	ank ripper	=		
	r day	_		
Data Source: (CR	·	=		
Cost Breakdown:		=		
COST DICAKUOWII.		<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		
		11/1		
-	7 7-12-3			
Total unit Cost/Hour:	\$261.52			
-	· · · · · · · · · · · · · · · · · · ·			
Total unit Cost/Hour:	\$261.52			
Total unit Cost/Hour:	\$261.52 \$261.52			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANTI	\$261.52 \$261.52 ITIES			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume: 4,000	\$261.52 \$261.52 ITIES			
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Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume: 4,000 Swell factor: 1.135	\$261.52 \$261.52 ITIES			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume: 4,000 Swell factor: 1.135	\$261.52 \$261.52 ITIES			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume: 4,000 Swell factor: 1.135 Loose volume: 4,540	\$261.52 \$261.52 ITIES DLCY ne: AM-1 Exhibit L			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume: 4,000 Swell factor: 1.135 Loose volume: 4,540 Source of estimated volume	\$261.52 \$261.52 ITIES DLCY ne: AM-1 Exhibit L			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume: 4,000 Swell factor: 1.135 Loose volume: 4,540 Source of estimated volum Source of estimated swell	\$261.52 \$261.52 ITIES OLCY ne: AM-1 Exhibit L Cat Handbook			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume: 4,000 Swell factor: 1.135 Loose volume: 4,540 Source of estimated volum Source of estimated swell HOURLY PRODUCT	\$261.52 \$261.52 ITIES OLCY ne: AM-1 Exhibit L factor: Cat Handbook			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume: 4,000 Swell factor: 1.135 Loose volume: 4,540 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance:	\$261.52 \$261.52 ITIES OLCY ne: AM-1 Exhibit L factor: Cat Handbook ION 115 feet			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume: 4,000 Swell factor: 1.135 Loose volume: 4,540 Source of estimated volum Source of estimated swell HOURLY PRODUCT	\$261.52 \$261.52 ITIES OLCY ne: AM-1 Exhibit L factor: Cat Handbook ION 115 feet			
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Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume: 4,000 Swell factor: 1.135 Loose volume: 4,540 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency described and services are supported by the services of the services are supported by the services	\$261.52 \$261.52 ITIES O LCY			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume: 4,000 Swell factor: 1.135 Loose volume: 4,540 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product	\$261.52 \$261.52 ITIES DLCY The: AM-1 Exhibit L Cat Handbook ION 115 feet 776.8 LCY/hr Cription: Compacted fill or em			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume: 4,000 Swell factor: 1.135 Loose volume: 4,540 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency described and services are supported by the services of the services are supported by the services	\$261.52 \$261.52 ITIES O LCY			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume: 4,000 Swell factor: 1.135 Loose volume: 4,540 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency desc. Average push gradient: Average site altitude:	\$261.52 \$261.52 ITIES OLCY ne: AM-1 Exhibit L factor: Cat Handbook ION 115 feet 776.8 LCY/hr cription: Compacted fill or em 0 % 6,350 feet			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume: 4,000 Swell factor: 1.135 Loose volume: 4,540 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency desc Average push gradient: Average site altitude: Material weight: Weight description:	\$261.52 \$261.52 ITIES O LCY	bankment 0.9		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume: 4,000 Swell factor: 1.135 Loose volume: 4,540 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency desc Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction	\$261.52 \$261.52 ITIES OLCY	bankment 0.9		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume: 4,000 Swell factor: 1.135 Loose volume: 4,540 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency desc Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction of Operator S	\$261.52 \$261.52 ITIES OLCY	bankment 0.9 Source (AVG.)		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume: 4,000 Swell factor: 1.135 Loose volume: 4,540 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency desc Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction	\$261.52 \$261.52 ITIES O	bankment 0.9		

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:	Regrae	de protection berm to	psoil		
e: Berry Pit		Permit Action:	2021	Permit/Job#:	M1977132
PROJECT IDEN	TIFICATIO	N			
Task #: 06A		State: Colorado		Abbreviation:	None
Date: $\frac{6011}{7/13/2}$	2021	County: Rio Blanc	0	Filename:	M132-06a
User: ACY					
Agency or	organization na	ame: DRMS			
HOURLY EQUI	PMENT COS	<u>ST</u>			
Basic Machine:	Cat D8T - 8S	U			
Horsepower:	310				
Blade Type:	Semi-Univers				
Attachment:	3-shank rippe	er			
Shift Basis:	1 per day				
Data Source:	(CRG)				
Cost Breakdown:					
			Utilization %		
Ownership Cost/H	our:	\$97.46	NA		
Operating Cost/H		\$97.63	100		
Ripper own. Cost/H		\$15.19	NA		
Ripper op. Cost/H		\$9.94	100		
Operator Cost/H		\$41.30	NA		
1	-	·			
MATERIAL QU Initial Volume: Swell factor:	39,200 1.135				
Loose volume:	44,492 LCY				
Source of estimated Source of estimated	_	AM-1 Exhibit L Cat Handbook			
HOURLY PROD	OUCTION				
Average push distar Unadjusted hourly p		15 feet 776.8 LCY/hr			
Materials consistence		Compacted fill or e	mbankment 0.9		
Average push gradic Average site altitude					
Material weight:	2,700 lb				
Weight description:	Sand an	nd clay - Loose			
Job Condition Corre	ection Factor rator Skill:	0.750	Source (AVG.)		
Material co		0.730	(CAT HB))		
	ng method:	1.000	(GEN.)		
DOZII	Visibility:	1.000	(AVG.)		
	visionity.	1.000	(AVU.)		

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

	Berry Pit	Pe	ermit Action: 2021	-	Permit/Job#	: <u>M1977132</u>
R	ROJECT IDENTIFICATION					
	Task #: 07A	State:	Colorado		Abbreviation:	None
	Date: 7/13/2021	County:	Rio Blanco			M132-07a
	User: ACY				-	
	Agency or organ	ization name: DI	RMS			
E)	RTILIZING					
at	terials					
,	D 1.41		Units /	T T •4	Cost / Unit	Cost /A one
	Description		Acre	Unit	Cost / Unit	Cost /Acre
	10-34-0, 18-46-0, 5-10	-5	200.00	pound	\$0.37	\$74.00
					Total Fertilizer Materials Cost/Acre	\$74.00
	plication Description Tractor towed spreader	· (MEANS 32 01 90	0.13 0120)			Cost /Acre \$38.77
	Description	· (MEANS 32 01 90		l Fertilizer A	pplication Cost/Acre	
-	Description	· (MEANS 32 01 90		l Fertilizer A	pplication Cost/Acre	\$38.77
<u> </u>	Description Tractor towed spreader	· (MEANS 32 01 90		l Fertilizer A	pplication Cost/Acre	\$38.77
[I	Description Tractor towed spreader LLING		Total	l Fertilizer A	pplication Cost/Acre	\$38.77 \$38.77
[I	Description Tractor towed spreader LLING Description		Total		pplication Cost/Acre	\$38.77 \$38.77 Cost /Acre
[I	Description Tractor towed spreader LLING Description		Total			\$38.77 \$38.77 Cost /Acre \$114.56
	Description Tractor towed spreader LLING Description Disc harrowing, 6" dee		Total	To	tal Tilling Cost/Acre Rate – PLS LBS / Seeds per SQ. ET	\$38.77 \$38.77 Cost /Acre \$114.56
	Description Tractor towed spreader LLING Description Disc harrowing, 6" dee EDING Seed Mix	ep (MEANS 32 91 1	Total	To	tal Tilling Cost/Acre Rate – PLS LBS / Acre Seeds per SQ. FT	\$38.77 \$38.77 Cost /Acre \$114.56 \$114.56
	Description Tractor towed spreader LLING Description Disc harrowing, 6" dee EDING Seed Mix Indian Ricegrass - Nes	p (MEANS 32 91 1	Total	To	tal Tilling Cost/Acre Rate – PLS PLS LBS / Acre 2.50 8.09	\$38.77 \$38.77 Cost /Acre \$114.56 \$114.56 Cost /Acre
	Description Tractor towed spreader LLING Description Disc harrowing, 6" dee EDING Seed Mix Indian Ricegrass - Nesp Beardless Wheatgrass -	par - Whitmar	Total	To	Rate – PLS Seeds per SQ. FT 2.50 8.09 2.40 7.82	\$38.77 \$38.77 \$38.77 Cost /Acre \$114.56 \$114.56 Cost /Acre \$22.19 \$28.14
	Description Tractor towed spreader LLING Description Disc harrowing, 6" dee EDING Seed Mix Indian Ricegrass - Nes Beardless Wheatgrass - Russian Wildrye - Vina	par - Whitmar	Total	To	Rate – PLS Seeds per SQ. FT 2.50 8.09 2.40 7.82 2.00 8.03	\$38.77 \$38.77 \$38.77 Cost /Acre \$114.56 \$114.56 Cost /Acre \$22.19 \$28.14 \$12.36
	Description Tractor towed spreader LLING Description Disc harrowing, 6" dee EDING Seed Mix Indian Ricegrass - Nesp Beardless Wheatgrass -	par - Whitmar al ss - Sodar	Total	To	Rate – PLS Seeds per SQ. FT 2.50 8.09 2.40 7.82	\$38.77 \$38.77 \$38.77 Cost /Acre \$114.56 \$114.56 Cost /Acre \$22.19 \$28.14

Application	

Totals Seed Mix

\$115.78

92.00

13.30

Description		Cost /Acre
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
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
Total Mulch Materials Cost/Acre				\$617.02

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
	Total Mulch Application Cost/Acre	\$240.58

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:
 49.45
 Cost /Acre:
 \$1,432.71

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$1,432.71

*Selected Replanting Work Items: FERTILIZING,TILLING,SEEDING,MU

LCHING

Initial Job Cost: \$70,847.51

Reseeding Job Cost: \$17,711.88

Total Job Cost: \$88,559

60.00

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: Mo	bilization			
e: Berry Pit	Permit	Action: 2021	Permit/Jo	b#: M1977132
PROJECT IDENTIFICAT	<u>ION</u>			
Task #: 08A Date: 7/13/2021 User: ACY	~	olorado io Blanco	Abbreviation: Filename:	None M132-08a
Agency or organizatio	n name: DRMS	S		
EQUIPMENT TRANSPOR	T RIG COST			
				1 per day CRG Data
Truck Tractor Desc	cription: GENE		AY TRUCK TRACTOR, 6X4, 400 HP (2ND HALF, 2006)	DIESEL POWERED,
Truck Trailer Desc	cription:		G GOOSENECK, DROP DEC AILER (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/Hours	\$20.54	\$20.54	\$20.54	

\$23.53

\$132.49

\$23.53

\$147.95

NON ROADABLE EQUIPMENT:

Total Unit Cost/Hour:

Helper Cost/Hour:

\$0.00

\$68.37

Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return Trip	DOT Permit
Description	Unit	Cost/hr/ unit	Cost/hr/uni	Size	Cost/hr/	Cost/hr/ fleet	Cost/ fleet
_	(TONS)		t		fleet		
Cat D7R DS	38.49	\$90.34	\$132.49	2	\$445.66	\$264.98	\$500.00
Series II LGP							
Cat 637G w/push-	59.59	\$223.48	\$147.95	2	\$742.86	\$295.90	\$500.00
pull							
CAT 14M	23.57	\$85.80	\$68.37	1	\$154.17	\$68.37	\$250.00
Water Tanker,	29.65	\$53.88	\$132.49	1	\$186.37	\$132.49	\$250.00
7,000 Gal.							
Drill/Broadcast	25.00	\$7.98	\$68.37	1	\$76.35	\$68.37	\$250.00
Seeder with							
Tractor							
Power Mulcher	6.00	\$14.98	\$68.37	1	\$83.35	\$68.37	\$250.00
(Bowie LD-90)							

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

Cubtotala: \$41.02 \$41.02			
500101818. 541.02 541.02	Subtotals:	\$41.02	\$41.02

EQUIPMENT HAUL DISTANCE and Time

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

Average Travel Speed:

Total Non-Roadable Mob/Demob Cost * \$12,552.00

** two round trips with haul rig: Total Roadable Mob/Demob Cost **

** one round trip, no haul rig:

\$82.04

Transportation Cycle Time:

	Non-	
	Roadable	Roadable
	Equipment	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: S	econdary Mobiliza	ation		
ee: Berry Pit	Permi	t Action: 2021	Permit/Jo	b#: <u>M1977132</u>
PROJECT IDENTIFICAT	<u> TION</u>			
Task #: 08B Date: 7/13/2021 User: ACY		Colorado Lio Blanco	Abbreviation: Filename:	None M132-08b
Agency or organizati	on name: DRM	S		
EQUIPMENT TRANSPO Truck Tractor De			Shift basis: Cost Data Source: AY TRUCK TRACTOR, 6X4, 400 HP (2ND HALF, 2006)	1 per day CRG Data DIESEL POWERED,
Truck Trailer De	scription:	GENERIC FOLDIN	G GOOSENECK, DROP DEC AILER (25T, 50T, AND 100T	~
Cost Breakdown:				
Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons	
Ownership Cost/Hour:		\$37.94	\$47.67	
Operating Cost/Hour:		\$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	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return Trip	DOT Permit
Description	Unit	Cost/hr/ unit	Cost/hr/uni	Size	Cost/hr/	Cost/hr/ fleet	Cost/ fleet
	(TONS)		t		fleet		
Drill/Broadcast	25.00	\$7.98	\$68.37	1	\$76.35	\$68.37	\$250.00
Seeder with							
Tractor							
Power Mulcher	6.00	\$14.98	\$68.37	1	\$83.35	\$68.37	\$250.00
(Bowie LD-90)							

Subtotals: \$159.70 \$136.74 \$500.00

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.	\$20.51	2	\$41.02	\$41.02
Crew				

Subtotals:	\$41.02	\$41.02	
Subtotals.	D41.U2	D41.U2	

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:

Total one-way travel distance:

Average Travel Speed:

RIFLE

miles

50.00

mph

Transportation Cycle Time:

	Non-	
	Roadable	Roadable
	Equipment	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 cost: 6.00 Hours

Total job cost: \$1,994



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 <u>current</u> 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

Amy Geldell

Ec:

Travis Marshall, Senior EPS, Grand Junction DRMS