

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.

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

e: White R	iver City Pit	Pe	rmit Action:	2021	Permit/Job	p#: <u>M2006084</u>
PROJECT	IDENTIFICAT	<u> FION</u>				
Task #:	ACY	State:	Colorado		Abbreviation:	None
Date:	7/13/2021	County:	Rio Blanco		Filename:	M084-ACY
User:	ACY					

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
	SUBTOTALS:				\$406,167

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

fit: 10.00 Total = $\frac{$40,617}{$95,300}$

CONTRACT AMOUNT (direct + O & P) = $\frac{$53,300}{$501,467}$

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 \$25,073

CONTINGENCY: 3.00 Total = \$12,185

TOTAL INDIRECT COST = \$133,058

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

PUMPING WORK

Task description:	Dewat	tering of pit			
te: White River City Pit		Permit Action	n: 2021	Permit/Job#:	M2006084
PROJECT IDENTIF	ICATIO	<u>N</u>			
Task #: 01A Date: 7/13/2021 User: ACY		State: Colorad County: Rio Bla		_ Abbreviation: _ Filename: _	None M084-01a
Agency or orga	nization n	ame: DRMS			
HOURLY EQUIPM	ENT CO	ST			
	Descrip			Quantity	
Make and Model:		sible pump - 460v, 6	in.	1	
Attachment 1:		hose - 6 in. diam., 2:		1	
Attachment 2:	Dischar	ge hose - 6 in. D., 25	ft.	3	
Labor Unit 1:		perator (same as 1st)		1	
Weight:	per day 0.45 (S Tons)	 			
Cost Breakdown:	2 10115)				
Cost Dicardowii.			Utilization %		
Ownership Cost/	Hour:	\$15.55	NA		
Operating Cost/		\$4.41	100		
Operator Cost/		\$27.68	NA		
Total Unit Cost/		\$47.64	1121		
Total Fleet Cost	/House		_		
		\$47.64			
PUMPING QUANTI	TIES				
Initial Pond Vol	lume:	354.70		Conversion factor:	325850.5800
Final Pond Vol	lume:	115,579,200.73	gallons		
Total Pond Inflow Su	ırface			Unit inflow rate in	
	Area:	1,000	Sq. ft.	gph/sq. ft.:	0.0879
Total Pond Inflow Vo	olume Hour:	87.90	gallons		
Source	of estimate	ed volume: Previo	usly excepted values		
	or estimati	ed volume. Trevio	usiy excepted varies		
PUMPING TIME					
		mp Capacity:	130,000	gph/pump	
		Suction Head:	15	feet	
Esti	mated Dis	charge Head:	10	feet	
		Total Head:	25	feet	
		mp Capacity:	123,300	gph/pump	
		Site Altitude:	5,700	feet	
		ing Capacity:	123,300	gph	
	•	imping Time:	937.38	hours	
		tial Pumping:	82,396	gallons	
		imping Time:	938.05	Hours	
		tment Factor:	1.0000	(3% rule)	
		iency Factor:	0.9167	(55 min./hr.)	
	_	imping Time:	859.91	hours	
JOB TIME AND CO	<u>ST</u>		Total job t	ime: 859.91	Hours
Unit cost: \$0.00	00354	/Gallon	Total job	cost: \$40,966	
			J	1 - 7: 00	

BULLDOZER WORK

Task description:	Cons				
White River Cit	y Pit	Permit Action	n: <u>2021</u>	Permit/Job#:	M2006084
PROJECT IDEN	NTIFICATION	<u>ON</u>			
Task #: 02A		State: Colorad	lo	Abbreviation:	None
Date: 7/13/2	2021	County: Rio Bla		Filename:	M084-02a
User: ACY		·		-	
Agency or	organization	name: DRMS			
HOURLY EQUI					
Basic Machine:	Cat D8T - 8				
Horsepower:	310	55U			
Blade Type:	Semi-Unive	ercal	<u> </u>		
Attachment:	NA	31541			
Shift Basis:	1 per day				
Data Source:	(CRG)				
Cost Breakdown:			Utilization %		
Ownership Cost/H	lour.	\$97.40			
Operating Cost/H		\$97.63			
Ripper own. Cost/H		\$0.00			
* *		\$0.00			
KIDDEL OD. COST/FI	ioui.				
Ripper op. Cost/H Operator Cost/H Total unit Cost/Hou Total Fleet Cost/Ho MATERIAL QU	four: \$236. bur: \$945.		0 NA		
Operator Cost/Ho Total unit Cost/Ho Total Fleet Cost/Ho	four: \$236. bur: \$945.	39	0 NA		
Operator Cost/Hou Total unit Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume:	Iour: \$236. pur: \$945. IANTITIES 229,931	39 57	0 NA		
Operator Cost/Hot Total unit Cost/Hot Total Fleet Cost/Hot MATERIAL QU Initial Volume: Swell factor:	ANTITIES 229,931 1.000 229,931 LCY volume:	39 57	0 NA		
Operator Cost/Hor Total unit Cost/Hor Total Fleet Cost/Hor MATERIAL QU Initial Volume: Swell factor: Loose volume:	\$236. \$945. \$229,931 1.000 229,931 LC volume: swell factor:	39 57 Y Table L-1	0 NA		
Operator Cost/Hor Total unit Cost/Hor Total Fleet Cost/Hor MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated	Section	39 57 Y Table L-1	0 NA		
Operator Cost/Hor Total unit Cost/Hor Total Fleet Cost/Hor MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROI	Section Sect	39 57 Y			
Operator Cost/Hor Total unit Cost/Hor Total Fleet Cost/Hor MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROI Average push distar Unadjusted hourly p	Section Sect	Table L-1 Cat Handbook 250 feet 377.8 LCY/hr : Partly consolidate			
Operator Cost/Hor Total unit Cost/Hor Total Fleet Cost/Hor MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROI Average push distar Unadjusted hourly p	Section Sect	Table L-1 Cat Handbook 250 feet 377.8 LCY/hr : Partly consolidate			
Operator Cost/Hor Total unit Cost/Hor Total Fleet Cost/Hor MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROI Average push distar Unadjusted hourly published Average push gradi Average site altitud	Section Sect	Table L-1 Cat Handbook 250 feet 377.8 LCY/hr : Partly consolidat			
Operator Cost/Hor Total unit Cost/Hor Total unit Cost/Hor Total Fleet Cost/Hor Total Fleet Cost/Hor MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROI Average push distar Unadjusted hourly push Materials consistency Average push gradic Average site altitud Material weight: Weight description: Job Condition Corrections	Section Factor	Table L-1 Cat Handbook 250 feet 377.8 LCY/hr : Partly consolidat feet lbs/LCY and gravel - Wet	ed stockpile 1.1		
Operator Cost/Ho Total unit Cost/Ho Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROI Average push distar Unadjusted hourly p Materials consistence Average push gradi Average site altitud Material weight: Weight description: Job Condition Correct Ope	Section Factor rator Skill: Span Section Factor Span Section Span Section Factor Span Section Factor Span Section Factor	Table L-1 Cat Handbook 250 feet 377.8 LCY/hr : Partly consolidat feet lbs/LCY and gravel - Wet 0.750	ed stockpile 1.1 Source (AVG.)		
Operator Cost/Ho Total unit Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume: Swell factor: Loose volume: Loose volume: Source of estimated Source of estimated Source of estimated HOURLY PROI Average push distant Unadjusted hourly pu Materials consistence Average push gradi Average site altitud Material weight: Weight description: Job Condition Corre Ope Material co	Section Factor	Table L-1 Cat Handbook 250 feet 377.8 LCY/hr : Partly consolidat feet lbs/LCY and gravel - Wet	ed stockpile 1.1		

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 2	2H:1V to 3H:1V		
White River City Pit	Permit Action:	2021	Permit/Job#:	M2006084
PROJECT IDENTIF	ICATION			
Task #: 02B	State: Colorado	•	Abbreviation:	None
Date: 7/13/2021	County: Rio Blanc		Filename:	M084-02b
User: ACY	County. <u>Itto Blank</u>		1 Helianie.	1,1001 020
Agency or organ	nization name: DRMS			
HOURLY EQUIPME	ENT COST			
	t D8T - 8SU			
Horsepower: 310				
	ni-Universal			
Attachment: NA				
	er day			
	(U)			
Cost Breakdown:		Utilization %		
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 QUANT	TITIES			
Initial Volume: 8,45	4			
Swell factor: 1.09				
	5 LCY			
Source of estimated volum	me: Table L-1			
Source of estimated votal				
3,701				
HOURLY PRODUCT	<u>ΓΙΟΝ</u>			
Average push distance:	150 feet			
Unadjusted hourly produc	ction: 634.3 LCY/hr			
Materials consistency des	scription: Consolidated stock	xpile 1.0		
Average push gradient:	-5 %			
Average site altitude:	5,700 feet			
Material weight:	2,400 lbs/LCY		<u> </u>	
Weight description:	Clay and gravel - Dry			
Job Condition Correction		Source		
Operator		(AVG.)		
Material consiste		(CAT HB)		
Dozing me		(GEN.)		
Visib	oility: 1.000	(AVG.)		

0.830	(1 SHIFT/DAY)
0.800	(FND-RF)
1.115	(CAT HB)
1.000	(CAT HB)
0.958	(CAT HB)
1.000	(PAT)
	0.800 1.115 1.000 0.958

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:
Total job cost:

6.83 Hours
\$6,457

BULLDOZER RIPPING WORK

	Task description:	Rip	compacted areas prior to	topsoiling				
Site	: White River (City Pit	Permit Action:	2021	Pe	rmit/Job#	: <u>M20060</u>	84
	PROJECT ID	ENTIFICAT	<u>ION</u>					
	Task #: 032	4	State: Colorado		Abbro	eviation:	None	
		3/2021	County: Rio Blanco			ilename:	M084-03	a
	User: AC		, <u> </u>					
	Agency	or organization	n name: DRMS					
	HOURLY EQ	UIPMENT C	<u>OST</u>					
	Basic	Machine: Ca	nt D8T - 8SU		Horsepower:		310	
	Ripper Att		Shank Ripper	<u>—</u>	Shift Basis:	1	per day	
	11		11	_	Data Source:		CRG)	
	Cost Breakdown:							
		-			Utilization %			
		Ownership C		\$97.46	NA			
		Operating C		\$97.63	100			
		er Ownership C		\$15.19	NA			
	Ripp	per Operating C		\$9.94	100			
		Operator C Total Unit C		\$41.30 \$261.52	NA			
		Total Fleet C	Cost/Hour: \$1,04	6.09				
	MATERIAL (<u>)UANTITIES</u>	Sele Sele	cted estimating	g method: Area			
	Alternate Method	<u>ls:</u>						
Seismic:	NA		Bank Volume:	NA	BCY		NA	
Area:	23.20	acres	_	2.00		4,859		BCY or CCY
		Source of esti	mated quantity: Table L	<i>-</i> -1				
	HOURLY PRO							
		<u>JDUCTION</u>						
	Seismic:		0 ' ' 17 1 '	NTA	C /	1		
			Seismic Velocity:	NA	feet/seco	na		
	Area:							
			ge Ripping Depth:	2.56	feet/pass			
			ge Ripping Width:	7.08	feet/pass			
			e Ripping Length:	400.00	feet/pass			
			rage Dozer Speed:e Maneuver Time:	88.00 0.25	feet/minutes/			
			ction per unit area:	0.23	acres/hor	•		
	Job Condition Co			0.012				
				0.012	A amag/hm			
	Un	adjusted Houri	y Unit Production:	0.813	Acres/hr			
			Site Altitude:	5,700	feet (CAT III	D.)		
			Altitude Adj:	1.00 0.83	(CAT H)			
			Job Efficiency: Net Correction:	0.83	(1 shift/d multiplie	•		
					<u> </u>	1		
			Hourly Unit Production: Hourly Fleet Production:	2.70	Acres/hr Acres/hr			
	JOB TIME AN			2.10	110103/111			
	Fleet size:	4	Grader(s)	Total job tin	ne. Q	.59	Но	ure
	_	<u> </u>	<u> </u>	· ·			110	uio
	Unit cost:	\$387.347	Per acre	Total job co	ost: \$8	.987		

BULLDOZER WORK

Task description:	Spre	ad topsoil on v	wenana siic	-11		
White River City	Pit Pit	Permi	t Action:	2021	Permit/Job#:	M2006084
PROJECT IDEN	TIFICATION	<u>ON</u>				
Task #: 04A		State:	Colorado		Abbreviation:	None
Date: $\frac{-0.11}{7/13/2}$	021		Rio Blanco		Filename:	M084-04a
User: ACY					-	
	organization	name: DRM	15			
			15			
HOURLY EQUI	PMENT CO	<u>DST</u>				
Basic Machine:	Cat D8T - 8	BSU		_		
Horsepower:	310			_		
Blade Type:	Semi-Unive	ersal		_		
Attachment:	NA			_		
Shift Basis:	1 per day			_		
Data Source:	(CRG)			_		
Cost Breakdown:						
				<u>Utilization %</u>		
Ownership Cost/He			\$97.46	NA		
Operating Cost/He			\$97.63	100		
Ripper own. Cost/He Ripper op. Cost/He			\$0.00	NA		
Rinner on Cost/Ha	our:		\$0.00	0		
Operator Cost/He		20	\$41.30	NA		
	r: \$236.		\$41.30	NA		
Operator Cost/Ho Total unit Cost/Hou Total Fleet Cost/Hou	\$236 \$945		\$41.30	NA NA		
Operator Cost/Hour	\$236 \$945 \$ANTITIES		\$41.30	NA		
Operator Cost/Hou Total unit Cost/Hou Total Fleet Cost/Hou MATERIAL QUA Initial Volume:	\$236 \$945 \$NTITIES 18,392		\$41.30	NA		
Operator Cost/Hou Total unit Cost/Hou Total Fleet Cost/Hou MATERIAL QU. Initial Volume: Swell factor:	\$236 \$945 \$MITITIES 18,392 1.000	57	\$41.30	NA NA		
Operator Cost/Hou Total unit Cost/Hou Total Fleet Cost/Hou MATERIAL QUA Initial Volume:	\$236 \$945 \$NTITIES 18,392	57	\$41.30	NA NA		
Operator Cost/Hou Total unit Cost/Hou Total Fleet Cost/Hou MATERIAL QUA Initial Volume: Swell factor: Loose volume:	\$236 \$945 \$945 \$18,392 1.000 18,392 LCY volume:	Table L-1	- - -	NA NA		
Operator Cost/Hou Total unit Cost/Hou Total Fleet Cost/Hou MATERIAL QUA Initial Volume: Swell factor: Loose volume:	\$236 \$945 \$945 \$18,392 1.000 18,392 LCY volume:	57	- - -	NA NA		
Operator Cost/Hour Total unit Cost/Hour Total Fleet Cost/Hour Total Fleet Cost/Hour Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD	\$236 \$945 ANTITIES 18,392 1.000 18,392 LCY volume: swell factor:	Table L-1 Cat Handbo	- - -	NA NA		
Operator Cost/Hour Total unit Cost/Hour Total Fleet Cost/Hour Total Fleet Cost/Hour MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distan	\$236 \$945 ANTITIES 18,392 1.000 18,392 LCY volume: swell factor:	Table L-1 Cat Handbo	- - - Dok	NA		
Operator Cost/Hour Total unit Cost/Hour Total Fleet Cost/Hour Total Fleet Cost/Hour Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD	\$236 \$945 ANTITIES 18,392 1.000 18,392 LCY volume: swell factor:	Table L-1 Cat Handbo	- - - Dok	NA		
Operator Cost/Hour Total unit Cost/Hour Total Fleet Cost/Hour Total Fleet Cost/Hour MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distan	### \$236 ##################################		- - - Dok	NA		
Operator Cost/Hou Total unit Cost/Hou Total Fleet Cost/Hou MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distan Unadjusted hourly p	### \$236. ####################################	Table L-1 Cat Handbo 350 feet 233.3 LCY/hr : Loose sto	- - - ook	NA NA		
Operator Cost/Hour Total unit Cost/Hour Total Fleet Cost/Hour Total Fleet Cost/Hour MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distan Unadjusted hourly p Materials consistence Average push gradie	\$236 \$4NTITIES 18,392 1.000 18,392 LCY volume: swell factor: EUCTION ce: roduction: y description ent: 0 %	Table L-1 Cat Handbo 350 feet 233.3 LCY/hr : Loose sto	- - - ook	NA		
Operator Cost/Hour Total unit Cost/Hour Total Fleet Cost/Hour Total Fleet Cost/Hour MATERIAL QUAL Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distan Unadjusted hourly p Materials consistence Average push gradie Average site altitude	\$236 \$4NTITIES 18,392 1.000 18,392 LCY volume: swell factor: EUCTION ce: roduction: y description ent: 0 %	Table L-1 Cat Handbo 350 feet 233.3 LCY/hr : Loose sto	- - - ook	NA		
Operator Cost/Hour Total unit Cost/Hour Total Fleet Cost/Hour Total Fleet Cost/Hour MATERIAL QUAL Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distant Unadjusted hourly push distant Unadjusted hourly push Materials consistence Average push gradie Average site altitude Material weight: Weight description: Job Condition Corre	\$236 \$4NTITIES 18,392 1.000 18,392 LCY volume: swell factor: EUCTION ce: roduction: y description ent: 0 % 5,700 1,600 Top S ction Factor	Table L-1 Cat Handbo 350 feet 233.3 LCY/hr : Loose sto	ook	Source		
Operator Cost/Hou Total unit Cost/Hou Total Fleet Cost/Hou MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distan Unadjusted hourly p Materials consistence Average push gradie Average site altitude Material weight: Weight description: Job Condition Corre Oper	\$236 \$4NTITIES 18,392 1.000 18,392 LCY volume: swell factor: EUCTION ce: roduction: ry description ent: 0 % 5,700 1,600 Top S ction Factor rator Skill:	Table L-1 Cat Handbo 350 feet 233.3 LCY/hr : Loose sto feet lbs/LCY soil 0.75	ook cockpile 1.2	Source (AVG.)	<u> </u>	
Operator Cost/Hor Total unit Cost/Hor Total Fleet Cost/Hor MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distan Unadjusted hourly p Materials consistence Average site altitude Material weight: Weight description: Job Condition Corre Oper Material co	\$236 \$4NTITIES 18,392 1.000 18,392 LCY volume: swell factor: EUCTION ce: roduction: ry description ent: 0 % 5,700 1,600 Top S ction Factor rator Skill:	Table L-1 Cat Handbo 350 feet 233.3 LCY/hr : Loose sto	ook bekpile 1.2	Source	3)	

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)

Page 2 of 2

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 w	ith dry lan	d seed mix			
: White River City Pit	Permit Act	tion: 2021			Permit/Job#:	M2006084
PROJECT IDENTIF	<u>ICATION</u>					
Task #: 05A Date: 7/13/2021	State: Color County: Rio B					one 1084-05a
User: ACY						
Agency or orga	nization name: DRMS					
FERTILIZING						
Materials		Units /				
Description		Acre	Unit	Cost	/ Unit	Cost /Acre
				\$		\$
				Tota	al Fertilizer Materials Cost/Acre	\$0.00
pplication						
Description						Cost /Acre
						\$
		Total	l Fertilizer	Application	Cost/Acre	\$0.00
TILLING						
Description	(MEANS 22 01 12 22 C10	00)				Cost /Acre
Disc narrowing, 6 de	ep (MEANS 32 91 13.23 610	00)	ŗ	Fotal Tilling	g Cost/Acre	\$114.56 \$114.56
SEEDING						ψ11 T.JU
Seed Mix				Rate – PLS	Seeds	Cost /Acre

Seed Mix	PLS LBS /	seeds per SQ. FT	Cost /Acre
	Acre	1.1	
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

	Totals Seed Mix	13.25	71.04	\$155.86
Application				

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
					\$
	\$0.00				

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 ac	res with riparia	seed mix			
White River City Pit	Permit Action: 2021 Permit/Job#:			: <u>M2006084</u>		
PROJECT IDENTIFIC	CATION					
Task #: 06A Date: 7/13/2021 User: ACY	State:	Colorado Rio Blanco				None M084-06a
	nization name: DRM	1S				
FERTILIZING						
Materials						
Description		Units / Acre	Unit	Cost	t / Unit	Cost /Acre
				\$		\$
				Tota	al Fertilizer Materials Cost/Acre	\$0.00
Application Description						Cost /Acre
_						\$
		Total	Fertilizer	Application	n Cost/Acre	\$0.00
<u> </u>						
Description						Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)					\$114.56	
			Г	Total Tillin	g Cost/Acre	\$114.56
SEEDING						
Seed Mix				Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Alkali Sacaton				2.00	78.05	\$56.95

Aquatic Sedge

Saltgrass, Inland

Red Top

Great Basin Wildrye - Magnar

Reedgrass, Canadian (or Blue Joint)

Slender Wheatgrass - Native

Slender Wheatgrass - Pryor

Reedgrass, Northern - Native

Timothy, Alpine - Native

\$350.00

\$34.65

\$27.75

\$25.50

\$15.75

\$203.25

\$136.65

\$85.60

\$48.50

2.00

3.00

6.00

6.00

2.00

1.00

1.00

2.00

2.00

52.90

12.19

21.90

21.90

229.11

102.85

102.85

27.72

59.69

\$965.73

	Totals Seed Mix	27.00	709.16	\$984.60
Application				
Description				Cost /Acre
Hydro seeding (MEANS 32 92 19.14 0200)				\$965.73

Total Seed Application Cost/Acre

MULCHING and MISCELLANEOUS

Materials

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

Application

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

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
	\$0.00				

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: Ini	tial Mobilization			
e: White River City Pit	Permit	Action: 2021	Permit/Jo	b#: M2006084
PROJECT IDENTIFICAT	<u>ION</u>			
Task #: 07A Date: 7/13/2021 User: ACY	~	olorado io Blanco	Abbreviation: Filename:	None M084-07a
Agency or organizatio	n name: DRMS	S		
EQUIPMENT TRANSPOR	T RIG COST		Shift basis	1 mon dov
				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: C		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/Hour	\$20.54	\$20.54	\$20.54	

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	4	\$891.32	\$529.96	\$1,000.00
Series II LGP							
Drill/Broadcast	25.00	\$7.98	\$68.37	1	\$76.35	\$68.37	\$250.00
Seeder with							
Tractor							
Hydroseeder with	28.00	\$13.97	\$132.49	1	\$146.46	\$132.49	\$250.00
Tractor							
Power Mulcher	6.00	\$14.98	\$68.37	1	\$83.35	\$68.37	\$250.00
(Bowie LD-90)							

\$23.53

\$132.49

\$23.53

\$147.95

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:

Total one-way travel distance:

Average Travel Speed:

RIFLE, CO
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: **\$10,177**

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description:	Initial Mobilizatio	n				
te: White River City Pit	Perm	nit Action: _	2021	Pe	rmit/Job#	#: <u>M2006084</u>
PROJECT IDENTIFICA	<u>ATION</u>					
Task #: 07B	State:	Colorado		Abbrevi	ation:	None
Date: 7/13/2021 User: ACY	County:	Rio Blanco		File	name:	M084-07b
Agency or organiza	tion name: DRM	MS				
EQUIPMENT TRANSPO	ORT RIG COST	1 -				
				Shift basis	s: 1	per day
				Cost Data Source		RG Data
Truck Tractor D	escription: GEN	NERIC ON-I		AY TRUCK TRACTOR 400 HP (2ND HALF, 20		IESEL POWERED,
Truck Trailer D	escription:	GENERIC 1		G GOOSENECK, DRO		EQUIPMENT
	TRAILER (25T, 50T, AND 100T)					
Cost Breakdown:						
Available Rig Capacities	0-25 Tons	26-50	Tons	51+ Tons		
Ownership Cost/Hou	r: \$21.28	\$37.	94	\$47.67		
Operating Cost/Hou		\$50.	48	\$56.21		
Operator Cost/Hou	· ·	\$20.	54	\$20.54		
Helper Cost/Hou	r: \$0.00	\$23.	53	\$23.53		

NON ROADABLE EQUIPMENT:

Total Unit Cost/Hour:

\$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		
Drill/Broadcast	25.00	\$7.98	\$68.37	1	\$76.35	\$68.37	\$250.00
Seeder with							
Tractor							
Hydroseeder with	28.00	\$13.97	\$132.49	1	\$146.46	\$132.49	\$250.00
Tractor							
Power Mulcher	6.00	\$14.98	\$68.37	1	\$83.35	\$68.37	\$250.00
(Bowie LD-90)							

\$132.49

\$147.95

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:

Total one-way travel distance:

Average Travel Speed:

RIFLE, CO

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: \$3,552



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

Amy Geldell

Ec:

Travis Marshall, Senior EPS, Grand Junction DRMS