

January 9, 2024

Nick Hines OWL SWD Operating, LLC 8201 Preston Rd Suite 520 Dallas, TX 75225

#### Re: White River Pit - File No. M-2008-070 OWL SWD Operating, LLC Surety Increase (SI-1) Increase based on inspection

Dear Nick Hines:

On January 9, 2024 the Division of Reclamation, Mining and Safety increased the current Financial Warranty for this permit to \$126,420.00, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of \$19,872.41.

Please see the November 30, 2023 inspection report for details regarding why this surety increase is required.

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 (January 9, 2024).

Please make arrangements with Sara M. Stevenson-Benn at the Division's Denver office for submittal of the financial warranty. Any other questions regarding completion, execution and/or submittal of financial warranty forms should also be directed to Sara M. Stevenson-Benn by telephone at (303) 866-3567 (8148), or by email at Sara.stevenson-benn@state.co.us.

The Permittee for this site may be scheduled for a Formal Board Hearing for possible revocation of the permit after March 9, 2024, if the amount of any increased Financial Warranty has not been provided.

Bond Held:	\$106,548.00
Prior Liability:	\$106,547.59
Change in Liability:	\$19,872.41
Revised Liability:	\$126,420.00



Prior Permit Acreage:	14.27
Change in Permit Acreage:	0.00
Revised Permit Acreage:	14.27
Prior Affected Acreage:	14.27
Change in Affected Acreage:	0.00
Revised Affected Acreage:	14.27

If you have any questions, please contact me by telephone at (303) 866-3567 x 8183, or by email at Amy.yeldell@state.co.us.

Sincerely,

Amy Geldell

Amy C. Yeldell Environmental Protection Specialist

cc: Doug Wheeler

M-GR-04

# COST SUMMARY WORK

Task description:		Updated 11-30-2	023 site con	ditions				
Site:	Site: White River Pit		Per	mit Action:	2023-11	Permit/Job	o#: <u>M2008070</u>	
Pl	ROJECT	IDENTIFIC	CATION					
	Task #: Date:	ACY 12/12/2023	State: County:	Colorado Rio Blanco		Abbreviation: Filename:	None M070-ACY	
		ACY	County.	KIO DIalico		Thename.	W070-AC1	

Agency or organization name: DRMS

## TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Backfill highwall Cell B to 3H:1V Slope	DOZER	1	61.22	\$26,117
01b	Regrade highwalls Cell C to 3H:1V Slope	DOZER	] 1	2.55	\$1,088
02a	Rip Phase 1 Pit Floor prior to topsoil placement	RIPPER	] 1	15.29	\$6,854
03a	Spread topsoil over Phase 1	DOZER	1	54.48	\$23,239
04a	Revegetate 13.67 acres of Phase 1	REVEGE	] 1	20.00	\$26,159
05a	Rip Office/Scale Area prior to topsoil placement	RIPPER	] 1	2.30	\$1,032
06a	Revegetate 1.43 acres of Office/Scale Area	REVEGE	1	4.00	\$2,736
10a	Initial Mobilization	MOBILIZE	] 1	11.60	\$9,210
10b	Secondary Mobilization	MOBILIZE	1	11.60	\$4,359
		<u>SUBTO</u>	DTALS:	183.04	\$100,794

### **INDIRECT COSTS**

#### OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$2,036
Performance bond:	1.05	Total =	\$1,058
Job superintendent:	91.52	Total =	\$5,956
Profit:	10.00	Total =	\$10,079
		TOTAL O & P =	\$19,130
		CONTRACT AMOUNT (direct + $O \& P$ ) =	\$119,924

#### LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): Engineering work and/or contract/bid preparation: Reclamation management and/or administration:	\$500 0.00 5.00	Total = Total =	\$500 \$0 \$5,996
CONTINGENCY:	0.00	Total =	\$0
	TOTAL	INDIRECT COST =	\$25,626
TOTAL BO	ND AMOUNT	(direct + indirect) =	\$126,420

## BULLDOZER WORK

Task description:	Backfill h	ighwall Cell B to 3	H:1V Slope		
: WRC Gravel Pit		Permit Action:	2023-11	Permit/Job#:	M2008070
PROJECT IDENT	IFICATION				
Task #: 01A		State: Colorado		Abbreviation:	None
Date: 12/12/20	023 C	ounty: Rio Blance	0	Filename:	M070-01a
User: ACY					
Agency or or	ganization nam	e: DRMS			
HOURLY EQUIPM	MENT COST				
Basic Machine:	Cat D8T - 8SU				
	310				
Blade Type:	Semi-Universal				
Attachment:	NA				
	l per day				
Data Source:	(CRG)				
Cost Breakdown:					
			Utilization %		
Ownership Cost/Hou		\$241.38	NA		
Operating Cost/Hou		\$143.92	100		
Ripper own. Cost/Hou		\$0.00	NA		
Ripper op. Cost/Hou		\$0.00	0		
Operator Cost/Hou	r:	\$41.30	NA		
Total Fleet Cost/Hour: MATERIAL QUA					
	750				
	125				
Swell factor: 1	125 219 LCY				
Swell factor: 1 Loose volume: 4 Source of estimated vo	<b>219</b> LCY Jume:3	0	t to a 3H: 1V backfill		
Swell factor:1Loose volume:4	<b>219</b> LCY Jume:3	00 LF @ 15' H f ver at Handbook	t to a 3H: 1V backfill		
Swell factor: 1 Loose volume: 4 Source of estimated vo	219 LCY   olume: 3   vell factor: C	0	t to a 3H: 1V backfill		
Swell factor: 1 Loose volume: 4 Source of estimated vo Source of estimated sw HOURLY PRODU	<b>219</b> LCY blume: <u>3</u> well factor: <u>C</u> <u>CTION</u> : 250	at Handbook	t to a 3H: 1V backfill		
Swell factor: 1 Loose volume: 4 Source of estimated vo Source of estimated sw HOURLY PRODU	<b>219</b> LCY blume: <u>3</u> well factor: <u>C</u> <u>CTION</u> : 250	at Handbook	t to a 3H: 1V backfill		
Swell factor: 1 Loose volume: 4 Source of estimated vo Source of estimated sw HOURLY PRODU	219 LCY         olume:       3         vell factor:       C         CTION	at Handbook			
Swell factor:     1       Loose volume:     4       Source of estimated volume:     4       Source of estimated volume:     4       Materials consistency     4       Average push gradient     4	219 LCY         olume:       3         well factor:       C         CTION       250         duction:       377         description:       _         :       25 %	at Handbook feet 8 LCY/hr			
Swell factor:     1       Loose volume:     4       Source of estimated volume:     4       Source of estimated sw     4       HOURLY PRODU     4       Average push distance     4       Unadjusted hourly pro     4       Materials consistency     4	219 LCY       olume:     3       vell factor:     C       CTION       :     250       duction:     377       description:	at Handbook feet 8 LCY/hr			
Swell factor:     1       Loose volume:     4       Source of estimated volume:     4       Source of estimated volume:     4       Materials consistency     4       Average push gradient     4	219 LCY         olume:       3         well factor:       C         CTION       250         duction:       377         description:       _         :       25 %	at Handbook feet .8 LCY/hr Consolidated stockj			
Swell factor: 1 Loose volume: 4 Source of estimated vo Source of estimated sw HOURLY PRODU Average push distance Unadjusted hourly pro Materials consistency Average push gradient Average site altitude:	219 LCY       olume:     3       vell factor:     C       CTION       :     250       duction:     377       description:        :     25 %	at Handbook feet .8 LCY/hr Consolidated stockj	 bile 1.0		
Swell factor: 1 Loose volume: 4 Source of estimated vo Source of estimated sw HOURLY PRODU Average push distance Unadjusted hourly pro Materials consistency Average push gradient Average site altitude: Material weight: Weight description: Job Condition Correct	219 LCY       olume:     3       vell factor:     C       CTION       :     250       duction:     377       description:        :     25 %	at Handbook feet .8 LCY/hr Consolidated stocky  .CY ed rock - 25% Rock	 pile 1.0 , 75% Earth <u>Source</u>		
Swell factor: 1 Loose volume: 4 Source of estimated vo Source of estimated sw HOURLY PRODU Average push distance Unadjusted hourly pro Materials consistency Average push gradient Average site altitude: Material weight: Weight description: Job Condition Correct Operat	219 LCY         olume:       3         vell factor:       C         CTION       .         :       250         duction:       377         description:          :       25 %	at Handbook feet 8 LCY/hr Consolidated stock  LCY ed rock - 25% Rock 0.750	 bile 1.0 , 75% Earth <u>Source</u> (AVG.)		
Swell factor: 1 Loose volume: 4 Source of estimated vo Source of estimated sw HOURLY PRODU Average push distance Unadjusted hourly pro Materials consistency Average push gradient Average site altitude: Material weight: Weight description: Job Condition Correct Operat Material cons	219 LCY       olume:     3       vell factor:     C       CTION       :     250       duction:     377       description:        :     25 %      5,875 feet      2,650 lbs/I	at Handbook feet .8 LCY/hr Consolidated stocky .CY ed rock - 25% Rock 0.750 1.000	 pile 1.0 , 75% Earth <u>Source</u> (AVG.) (CAT HB)		
Swell factor: 1 Loose volume: 4 Source of estimated vo Source of estimated sw HOURLY PRODU Average push distance Unadjusted hourly pro Materials consistency Average push gradient Average site altitude: Material weight: Weight description: Job Condition Correct Operat Material cons Dozing	219 LCY         olume:       3         vell factor:       C         CTION       .         :       250         duction:       377         description:          :       25 %	at Handbook feet 8 LCY/hr Consolidated stock  LCY ed rock - 25% Rock 0.750	 bile 1.0 , 75% Earth <u>Source</u> (AVG.)		

Task # 01A

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	0.422	(CAT HB)
Altitude	1.000	(CAT HB)
Material Weight:	0.868	(CAT HB)
Blade type:	1.000	(PAT)
Net correction:	0.1824	
Adjusted unit production:	68.91 LCY/hr	
Adjusted fleet production:	68.91 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$6.191/LCY

Total job time:	<b>61.22</b> Hours
Total job cost:	\$26,117

## BULLDOZER WORK

Task description:	Regrade highwall		· · <b>-</b> -		
WRC Gravel Pit	Perm	it Action:	2023-11	Permit/Job#:	M2008070
PROJECT IDENTIF	ICATION				
Task #: 01B	State:	Colorado		Abbreviation:	None
Date: $12/12/2023$		Rio Blanco	)	Filename:	M070-01b
User: ACY				· · · · · ·	
Agency or organ	nization name: DR	MS			
HOURLY EQUIPME	<u>ENT COST</u>				
Basic Machine:Cat	D8T - 8SU				
Horsepower: 310					
~ I	ni-Universal				
Attachment: NA					
	er day				
Data Source: (CF	RG)				
Cost Breakdown:					
			Utilization %		
Ownership Cost/Hour:		\$241.38	NA		
Operating Cost/Hour:		\$143.92	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: Total Fleet Cost/Hour:	\$426.60 <b>\$426.60</b>				
Total Fleet Cost/Hour: MATERIAL QUANT	\$426.60 <u>ITIES</u>				
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume:	\$426.60 TTIES 1				
Total Fleet Cost/Hour: <u>MATERIAL QUANT</u> Initial Volume: <u>1,11</u> Swell factor: <u>1.25</u>	\$426.60 TITIES 1 0				
Total Fleet Cost/Hour:       MATERIAL QUANT       Initial Volume:     1,11       Swell factor:     1.25       Loose volume:     1,38	\$426.60 TITIES 1 0 9 LCY				
Total Fleet Cost/Hour:       MATERIAL QUANT       Initial Volume:     1,11       Swell factor:     1.25       Loose volume:     1,38       Source of estimated volumed	\$426.60 TTIES 1 0 9 LCY ne:	  nates			
Total Fleet Cost/Hour:       MATERIAL QUANT       Initial Volume:     1,11       Swell factor:     1.25       Loose volume:     1,38	\$426.60 TTIES 1 0 9 LCY ne:	  nates			
Total Fleet Cost/Hour:       MATERIAL QUANT       Initial Volume:     1,11       Swell factor:     1.25       Loose volume:     1,38       Source of estimated volum       Source of estimated swell	\$426.60         ITTIES         1         0         9 LCY         ne:       Staff estimation         1 factor:       Cat Handb	  nates			
Total Fleet Cost/Hour:       MATERIAL QUANT       Initial Volume:     1,11       Swell factor:     1,25       Loose volume:     1,38       Source of estimated volum     swell       HOURLY PRODUCT     1000000000000000000000000000000000000	\$426.60         ITTIES         1         0         9 LCY         ne:       Staff estim         1 factor:       Cat Handb         FION	  nates			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 1,11 Swell factor: 1.25 Loose volume: 1,38 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance:	\$426.60 TTIES 1 0 9 LCY ne: Staff estim 1 factor: Cat Handb FION 50 feet	  nates rook			
Total Fleet Cost/Hour:       MATERIAL QUANT       Initial Volume:     1,11       Swell factor:     1,25       Loose volume:     1,38       Source of estimated volum     Source of estimated swell       HOURLY PRODUCT     1000000000000000000000000000000000000	\$426.60 TTIES 1 0 9 LCY ne: Staff estim 1 factor: Cat Handb FION 50 feet	  nates rook			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 1,11 Swell factor: 1.25 Loose volume: 1,38 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance:	\$426.60         ITTIES         1         0         9 LCY         me:       Staff estim         1 factor:       Cat Handb <b>CION</b> 50 feet         ction:       1,400.0 LCY				
Total Fleet Cost/Hour:       MATERIAL QUANT       Initial Volume:     1,11       Swell factor:     1.25       Loose volume:     1,38       Source of estimated volu     Source of estimated swell       HOURLY PRODUCT     Average push distance:       Unadjusted hourly product     1	\$426.60         ITTIES         1         0         9 LCY         me:       Staff estim         1 factor:       Cat Handb <b>CION</b> 50 feet         ction:       1,400.0 LCY				
Total Fleet Cost/Hour:       MATERIAL QUANT       Initial Volume:     1,11       Swell factor:     1.25       Loose volume:     1,38       Source of estimated volu     Source of estimated swell       HOURLY PRODUCT     Average push distance:       Unadjusted hourly product     Materials consistency dest       Average push gradient:     Source of estimate	\$426.60       ITTIES       1       0       9 LCY       ne:     Staff estiments       1 factor:     Cat Handbeet       FION       ction:     50 feet       ction:     1,400.0 LCY       ccription:     Compace       0 %				
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 1,11 Swell factor: 1.25 Loose volume: 1,38 Source of estimated volum Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency des Average push gradient: Average site altitude:	\$426.60       ITTIES       1       0       9 LCY       ne:     Staff estime       1 factor:     Cat Handbe       CION       ction:     50 feet       ction:     1,400.0 LCY       acription:     Compace       0 %     5,875 feet	//hr ted fill or en			
Total Fleet Cost/Hour:       MATERIAL QUANT       Initial Volume:     1,11       Swell factor:     1.25       Loose volume:     1,38       Source of estimated volu     Source of estimated volu       Source of estimated swell     HOURLY PRODUCT       Average push distance:     Unadjusted hourly product       Materials consistency des       Average site altitude:       Material weight:	\$426.60       ITTIES       1       0       9 LCY       ne:     Staff estim       1 factor:     Cat Handb       Image:     Staff estim       1 factor:     Compace       0 %     Compace       0 %     Staff estim       2,650 lbs/LCY     Decomposed rock -	//hr ted fill or en			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 1,11 Swell factor: 1.25 Loose volume: 1,38 Source of estimated volum Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency des Average push gradient: Average site altitude: Material weight: Weight description:	\$426.60       ITTIES       1       0       9 LCY       ne:     Staff estime       1 factor:     Cat Handbe       Image:     Staff estime       1,400.0 LCY     Staff estime       0 %     Compace       0 %     Staff estime       2,650 lbs/LCY     Decomposed rock -       Factor     Factor	 hates book //hr ted fill or en  25% Rock.	  mbankment 0.9		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 1,11 Swell factor: 1.25 Loose volume: 1,38 Source of estimated volum Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency des Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operator 3 Material consistency	\$426.60       ITTIES       1       0       9 LCY       ne:     Staff estimulation       1 factor:     Cat Handbeet       Iton       Staff estimulation       1 factor:     Cat Handbeet       CION       ction: $50$ feet       ction: $1,400.0$ LCY       ccription:     Compace       0 %     Compace <t< td=""><td></td><td></td><td></td><td></td></t<>				
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 1,11 Swell factor: 1.25 Loose volume: 1,38 Source of estimated volum Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency des Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operator 3 Material consistency des	\$426.60       ITTIES       1       0       9 LCY       ne:     Staff estimulation       1 factor:     Cat Handbeet       Iton       Staff estimulation       1 factor:     Cat Handbeet       CION       ction: $50$ feet       ction: $1,400.0$ LCY       ccription:     Compace       0 %     Compace <t< td=""><td></td><td></td><td></td><td></td></t<>				

Task # 01B

Job efficience	cy: 0.830	(1 SHIFT/DAY)
Spoil pi	le: 0.800	(FND-RF)
Push gradie	nt: 1.000	(CAT HB)
Altituc	le: 1.000	(CAT HB)
Material Weig	ht: 0.868	(CAT HB)
Blade typ	be: 1.000	(PAT)
Net correction	on:0.3890	
Adjusted unit production:	544.60 LCY/hr	
Adjusted fleet production:	544.6 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$0.783/LCY

Total job time:	<b>2.55</b> Hours
Total job cost:	\$1,088

## BULLDOZER RIPPING WORK

<i>a</i> .				o topsoil place			
Site:	: WRC Gravel	Pit	Permit Action:	2023-11	Pe	rmit/Job#: <u>M</u>	12008070
	PROJECT ID	<b>ENTIFICATION</b>					
	Task #: 02/ Date: 12/ User: AC	/12/2023	State: Colorado County: Rio Blanco			eviation: <u>No</u> ilename: <u>M</u>	one 070-02a
	Agency	or organization nam	e: DRMS				
	• •	UIPMENT COST					
		Machine: Cat D87	-		Horsepower:	310	
	Ripper Att		k Ripper	_	Shift Basis:	1 per da	ay
					Data Source:	(CRG	)
	Cost Breakdown:	<u>.</u>		1			
		Ownership Cost/I	loum	\$241.20	Utilization %		
		Operating Cost/H	Iour: Iour:	\$241.38 \$143.92	<u>NA</u> 100		
	Rippe	er Ownership Cost/H		\$14.11	NA		
		per Operating Cost/H	Iour:	\$7.45	100		
		Operator Cost/H		\$41.30	NA		
		Total Unit Cost/H	lour:	\$448.16			
		Total Fleet Cost/H	Iour: \$448	.16			
	MATERIAL (	)UANTITIES	Seleo	cted estimating	method: Area		
	Alternate Method	ds:		C			
mic:	NA	—	Bank Volume:	NA	BCY	NA	
area:	9.50	acres		2.00		0,653	BCY or
		Source of estimate	d quantity: Staff es			/	
		Source of estimated	a quantity. Starres	imais			
		ODUCTION					
	HOURLY PRO	<b>ODUCTION</b>					
	HOURLY PRO			NA	6 . <i>1</i> /	1	
			nic Velocity:	NA	feet/seco	nd	
		Seisr	·				
	Seismic:	Seisr Average Ri	pping Depth:	2.56	feet/pass		
	Seismic:	Seisr Average Ri Average Ri	pping Depth: pping Width:	2.56 7.08	feet/pass feet/pass		
	Seismic:	Seisr Average Ri Average Ri Average Rip Average I	pping Depth: pping Width: ping Length: Dozer Speed:	2.56 7.08 150.00 88.00	feet/pass		
	Seismic:	Seisr Average Ri Average Rij Average Rip Average I Average Mar	pping Depth: pping Width: pping Length: Dozer Speed: neuver Time:	2.56 7.08 150.00 88.00 0.25	feet/pass feet/pass feet/pass feet/min minutes/	ite pass	
	Seismic:	Seisr Average Ri Average Rij Average Rip Average I Average Mar	pping Depth: pping Width: ping Length: Dozer Speed:	2.56 7.08 150.00 88.00	feet/pass feet/pass feet/pass feet/min	ite pass	
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	Seismic: Area: Job Condition Co	Seisr Average Ri Average Rip Average Rip Average I Average Mar Production	pping Depth: pping Width: pping Length: Dozer Speed: neuver Time: per unit area:	2.56 7.08 150.00 88.00 0.25	feet/pass feet/pass feet/pass feet/min minutes/	ıte pass ır	
	Seismic: Area: Job Condition Co	Seisr Average Ri Average Rip Average Rip Average Man Production p orrection Factors nadjusted Hourly Uni	pping Depth: pping Width: pping Length: Dozer Speed: neuver Time: per unit area:	2.56 7.08 150.00 88.00 0.25 0.748	feet/pass feet/pass feet/pass feet/min minutes/ acres/hot	ıte pass ır	
	Seismic: Area: Job Condition Co	Seisr Average Ri Average Rip Average Rip Average Man Production <u>Production</u> porrection Factors hadjusted Hourly Uni	pping Depth: pping Width: ping Length: Dozer Speed: neuver Time: per unit area: t Production:	2.56 7.08 150.00 88.00 0.25 0.748 0.748 5,875 1.00	feet/pass feet/pass feet/pass feet/min minutes/ acres/hot	ıte pass ır	
	Seismic: Area: Job Condition Co	Seisr Average Ri Average Rip Average Rip Average I Average Man Production porrection Factors hadjusted Hourly Uni	pping Depth: pping Width: poing Length: Dozer Speed: neuver Time: per unit area: t Production: Site Altitude: Altitude Adj: b Efficiency:	2.56 7.08 150.00 88.00 0.25 0.748 0.748 5,875 1.00 0.83	feet/pass feet/pass feet/pass feet/min minutes/ acres/ho Acres/hr feet (CAT Hi (1 shift/c	ite pass ir 3) ay)	
	Seismic: Area: Job Condition Co	Seisr Average Ri Average Rip Average Rip Average I Average Man Production porrection Factors hadjusted Hourly Uni	pping Depth: pping Width: poing Length: Dozer Speed: neuver Time: per unit area: t Production: Site Altitude: Altitude Adj:	2.56 7.08 150.00 88.00 0.25 0.748 0.748 5,875 1.00	feet/pass feet/pass feet/pass feet/min minutes/ acres/ho Acres/hr feet (CAT Hi	ite pass ir 3) ay)	
	Seismic: Area: Job Condition Co	Seisr Average Ri Average Rip Average Rip Average Man Production <u>prrection Factors</u> hadjusted Hourly Uni So Jo Ne Adjusted Hou	pping Depth: pping Width: poing Length: Dozer Speed: neuver Time: per unit area: t Production: t Production: Site Altitude: Altitude Adj: b Efficiency: et Correction: rly Unit Production:	2.56 7.08 150.00 88.00 0.25 0.748 0.748 5,875 1.00 0.83 0.83 0.62	feet/pass feet/pass feet/pass feet/min minutes/ acres/ho Acres/hr feet (CAT Hi (1 shift/c multiplie Acres/hr	ite pass ir 3) ay)	
	Seismic: Area: Job Condition Co	Seisr Average Ri Average Rip Average Rip Average Man Production <u>prrection Factors</u> hadjusted Hourly Uni So Jo Ne Adjusted Hou	pping Depth: pping Width: poing Length: Dozer Speed: neuver Time: per unit area: t Production: site Altitude: Altitude Adj: b Efficiency: et Correction:	2.56 7.08 150.00 88.00 0.25 0.748 0.748 5,875 1.00 0.83 0.83	feet/pass feet/pass feet/pass feet/min minutes/ acres/ho Acres/hr feet (CAT Hi (1 shift/c multiplie	ite pass ir 3) ay)	
	Seismic: Area: Job Condition Co	Seisr Average Ri Average Rip Average Rip Average Mar Production Difference adjusted Hourly Uni Solution Adjusted Hourly Uni Solution Solutio Solution Solution Solution Solution Soluti	pping Depth: pping Width: poing Length: Dozer Speed: neuver Time: per unit area: t Production: t Production: Site Altitude: Altitude Adj: b Efficiency: et Correction: rly Unit Production:	2.56 7.08 150.00 88.00 0.25 0.748 0.748 5,875 1.00 0.83 0.83 0.62	feet/pass feet/pass feet/pass feet/min minutes/ acres/ho Acres/hr feet (CAT Hi (1 shift/c multiplie Acres/hr	ite pass ir 3) ay)	
	<u>Seismic:</u> <u>Area:</u> <u>Job Condition Co</u> Un	Seisr Average Ri Average Rip Average Rip Average I Average Mar Production p orrection Factors hadjusted Hourly Uni Sof Adjusted Hourly Uni Sof Ne Adjusted Hourly Adjusted Hourly Adjusted Hourly Adjusted Hourly	pping Depth: pping Width: poing Length: Dozer Speed: neuver Time: per unit area: t Production: t Production: Site Altitude: Altitude Adj: b Efficiency: et Correction: rly Unit Production:	2.56 7.08 150.00 88.00 0.25 0.748 0.748 5,875 1.00 0.83 0.83 0.62	feet/pass feet/pass feet/pass feet/min minutes/ acres/hor Acres/hr feet (CAT HI (1 shift/c multiplie Acres/hr Acres/hr	ite pass ir 3) ay)	Hours

# BULLDOZER WORK

Task description:	Spread topsoil over	er Phase 1			
: WRC Gravel Pit	Perm	it Action:	2023-11	Permit/Job#:	M2008070
PROJECT IDENTIFI	CATION				
Task #: 03A	State:	Colorado		Abbreviation:	None
Date: 12/12/2023 User: ACY	County:	Rio Blanco		Filename:	M070-03a
Agency or organ	nization name: DRI	MS			
HOURLY EQUIPME	NT COST				
Basic Machine: Cat	D8T - 8SU		_		
Horsepower: 310			_		
VI	ni-Universal		_		
Attachment: <u>NA</u> Shift Basis: 1 pe			_		
Data Source: (CR	er day CG)		-		
Cost Breakdown:		I	TT:::		
Ownership Cost/Hour:		\$241.38	<u>Utilization %</u> NA		
Operating Cost/Hour:		\$241.58 \$143.92	100		
Ripper own. Cost/Hour:		\$0.00	NA		
Ripper op. Cost/Hour:		\$0.00	0		
		\$41.30	NA		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour:	\$426.60 <b>\$426.60</b>	ψ41.30			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT	\$426.60 ITIES	φ <del>1</del> .30			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume:11,10	\$426.60 ITIES 00	-			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 11,10 Swell factor: 1.215	\$426.60 ITIES 00				
Total unit Cost/Hour:       Total Fleet Cost/Hour:       MATERIAL QUANT       Initial Volume:     11,10       Swell factor:     1.215       Loose volume:     13,48       Source of estimated volume	\$426.60 ITIES 00 5 87 LCY ne:13.67 ac @				
Total unit Cost/Hour:       Total Fleet Cost/Hour:       MATERIAL QUANT       Initial Volume:     11,10       Swell factor:     1.215       Loose volume:     13,48       Source of estimated volum       Source of estimated swell	\$426.60 ITIES 00 5 87 LCY ne: <u>13.67 ac @</u> factor: <u>Cat Handb</u>				
Total unit Cost/Hour:       Total Fleet Cost/Hour:       MATERIAL QUANT       Initial Volume:     11,10       Swell factor:     1.215       Loose volume:     13,48       Source of estimated volum       Source of estimated swell       HOURLY PRODUCT	\$426.60 ITIES 00 5 87 LCY ne: <u>13.67 ac @</u> factor: <u>Cat Handb</u> CION				
Total unit Cost/Hour:       Total Fleet Cost/Hour:       MATERIAL QUANT       Initial Volume:     11,10       Swell factor:     1.215       Loose volume:     13,48       Source of estimated volum       Source of estimated swell	\$426.60 ITIES 00 5 87 LCY ne: 13.67 ac @ factor: Cat Handb CION 	2 6" D ook			
Total unit Cost/Hour:       Total Fleet Cost/Hour:       MATERIAL QUANT       Initial Volume:     11,10       Swell factor:     1.215       Loose volume:     13,48       Source of estimated volum       Source of estimated swell       HOURLY PRODUCT       Average push distance:	\$426.60 ITIES 00 5 87 LCY ne: <u>13.67 ac @</u> factor: <u>Cat Handb</u> CION 150 feet etion: <u>634.3 LCY/h</u>	2 6" D ook			
Total unit Cost/Hour:       Total Fleet Cost/Hour:       MATERIAL QUANT       Initial Volume:     11,10       Swell factor:     1.215       Loose volume:     13,48       Source of estimated volur       Source of estimated swell       HOURLY PRODUCT       Average push distance:       Unadjusted hourly product       Materials consistency dest       Average push gradient:	\$426.60 ITIES 00 5 87 LCY ne: <u>13.67 ac @</u> factor: <u>Cat Handb</u> CION CION 20 %				
Total unit Cost/Hour:       Total Fleet Cost/Hour:       MATERIAL QUANT       Initial Volume:     11,10       Swell factor:     1.215       Loose volume:     13,48       Source of estimated volum       Source of estimated swell       HOURLY PRODUCT       Average push distance:       Unadjusted hourly product       Materials consistency dest       Average push gradient:       Average site altitude:	\$426.60 ITIES 00 5 87 LCY ne: <u>13.67 ac @</u> factor: <u>Cat Handb</u> CION CION etion: <u>150 feet</u> cription: <u>Consolid</u> 20 % 5,875 feet				
Total unit Cost/Hour:       Total Fleet Cost/Hour:       MATERIAL QUANT       Initial Volume:     11,10       Swell factor:     1.215       Loose volume:     13,48       Source of estimated volur       Source of estimated swell       HOURLY PRODUCT       Average push distance:       Unadjusted hourly product       Materials consistency dest       Average push gradient:	\$426.60 ITIES 00 5 87 LCY ne: <u>13.67 ac @</u> factor: <u>Cat Handb</u> CION CION 20 %				
Total unit Cost/Hour:       Total Fleet Cost/Hour:       MATERIAL QUANT       Initial Volume:     11,10       Swell factor:     1.215       Loose volume:     13,48       Source of estimated volum       Source of estimated swell       HOURLY PRODUCT       Average push distance:       Unadjusted hourly product       Materials consistency dest       Average push gradient:       Average site altitude:	\$426.60 ITIES 00 5 87 LCY ne: <u>13.67 ac @</u> factor: <u>Cat Handb</u> CION CION etion: <u>150 feet</u> cription: <u>Consolid</u> 20 % 5,875 feet				
Total unit Cost/Hour:       Total Fleet Cost/Hour:       MATERIAL QUANT       Initial Volume:     11,10       Swell factor:     1.215       Loose volume:     13,48       Source of estimated volum       Source of estimated swell       HOURLY PRODUCT       Average push distance:       Unadjusted hourly product       Materials consistency dest       Average push gradient:       Average site altitude:       Material weight:       Weight description:       Job Condition Correction	\$426.60       ITIES       00       5       87 LCY       ne:     13.67 ac @       factor:     Cat Handb       CION       cription:     634.3 LCY/h       cription:     Consolid       20 %     5,875 feet       1,600 lbs/LCY     Top Soil       Factor     Factor	e ook			
Total unit Cost/Hour:       Total Fleet Cost/Hour:       MATERIAL QUANT       Initial Volume:     11,10       Swell factor:     1.215       Loose volume:     13,48       Source of estimated volum       Source of estimated swell       HOURLY PRODUCT       Average push distance:       Unadjusted hourly product       Materials consistency dest       Average push gradient:       Average site altitude:       Material weight:       Weight description:       Job Condition Correction       Operator S	\$426.60 ITIES 00 5 87 LCY ne:	2 6" D ook ur dated stockpi			
Total unit Cost/Hour:       Total Fleet Cost/Hour:       MATERIAL QUANT       Initial Volume:     11,10       Swell factor:     1.215       Loose volume:     13,48       Source of estimated volum       Source of estimated swell       HOURLY PRODUCT       Average push distance:       Unadjusted hourly product       Materials consistency dest       Average push gradient:       Average site altitude:       Material weight:       Weight description:       Job Condition Correction	\$426.60       ITIES       00       5       37 LCY       ne:     13.67 ac @       factor:     Cat Handb       CION       cription:     634.3 LCY/h       cription:     Consolid       20 %     5,875 feet       1,600 lbs/LCY     Top Soil       Factor     0.7       Skill:     0.7       ency:     1.0				

Task # 03A

Job efficience	cy: 0.830	(1 SHIFT/DAY)
Spoil pi	le: 0.800	(FND-RF)
Push gradie	nt: 0.545	(CAT HB)
Altitud	le: 1.000	(CAT HB)
Material Weig	ht: 1.438	(CAT HB)
Blade typ	be: 1.000	(PAT)
Net correction	on: 0.3903	
Adjusted unit production:	247.57 LCY/hr	
Adjusted fleet production:	247.57 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$1.723/LCY

Total job time:	<b>54.48</b> Hours
Total job cost:	\$23,239

# **REVEGETATION WORK**

Task descri	ption:	Revegetate 13.67 acres of Phase 1	
te: WRC G	ravel Pit	Permit Action: 2023-11	Permit/Job#: M2008070
<b>PROJECT</b>	IDENTIFIC	CATION	
Task #:	04A	State: Colorado	Abbreviation: None
Date:	12/12/2023	County: Rio Blanco	Filename: M070-04a
User:	ACY		

## **FERTILIZING**

#### Materials

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

## Application

Description	Cost /Acre
	\$
Total Fertilizer Application Cost/Acre	\$0.00

## **TILLING**

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$112.82
Total Tilling Cost/Acre	\$112.82

### **SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Nespar	0.90	2.91	\$7.99
Bluebunch Wheatgrass - Secar	1.50	4.82	\$16.31
Bottlebrush Squirreltail	0.50	2.20	\$8.11
Sandberg Bluegrass - VNS	0.80	16.99	\$6.72
Streambank Wheatgrass - Sodar	0.60	1.96	\$3.42
Rabbitbrush, Rubber	0.01	0.15	\$0.64
Western Wheatgrass - Rosanna	2.00	5.05	\$11.50
Sagebrush, Wyoming Big	0.01	0.59	\$0.23
Saltbush, Four Wing	0.20	0.28	\$2.50

	1	i i		
Totals Seed Mix	6.52	34.95	\$57.43	

### 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 - Curtail @ 4.0 pt/ac	1.00	ACRE	\$35.09	\$35.09
Straw, delivered {MEANS 31 25 14.16 1200}	1.50	TON	\$429.79	\$644.68
Total Mulch Materials Cost/Acre				\$679.77

## Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$74.46
Power mulcher (MEANS 32 91 13.16 0350)		\$147.67
Weed spray, truck, non-aquatic area, nox. [DMG]		\$62.72
	Total Mulch Application Cost/Acre	\$284.85

### **NURSERY STOCK PLANTING**

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
		Totals 1	Nursery Stoc	k Cost / Acre	\$0.00

No. of Acres:	13.67	Cost /Acre:	\$1,366.87
Estimated Failure Rate:	40%	Cost /Acre*:	\$1,366.87
*Selected Replanting Work Items:	TILLING,SEEDIN	G,MULCHING	
Initial Job Cost:			

	+,
Reseeding Job Cost:	\$7,474.05
Total Job Cost:	\$26,159
Job Hours:	20.00

## BULLDOZER RIPPING WORK

<i>a</i> .				o topsoil place			
Site	: WRC Gravel	Pit	Permit Action:	2023-11	Perr	nit/Job#: <u>M200</u>	8070
	PROJECT ID	ENTIFICATI	<u>ION</u>				
	Task #:       05A         Date:       12/         User:       AC	12/2023	State:ColoradoCounty:Rio Blanco			viation: <u>None</u> ename: <u>M070-</u>	05a
	Agency	or organization	n name: DRMS				
	HOURLY EQ	UIPMENT C	OST				
			t D8T - 8SU		Horsepower:	310	
	Ripper Att		Shank Ripper	_	Shift Basis:	1 per day	
					Data Source:	(CRG)	
	Cost Breakdown:			I	TT.'1' .' 0/		
		Ownership C	'ost/Hour:	\$241.38	Utilization % NA		
		Operating C		\$143.92	100		
		er Ownership C	Cost/Hour:	\$14.11	NA		
		per Operating C	Cost/Hour:	\$7.45	100		
		Operator C		\$41.30	NA		
		Total Unit C	ost/Hour:	\$448.16			
		Total Fleet C	Cost/Hour: \$448.	16			
	MATERIAL Q	)UANTITIES	Selec	ted estimating	method: Area		
	Alternate Method	ls:					
mic:	NA		Bank Volume:	NA	BCY	NA	
Area:	1.43	acres		2.00	Volume: 4,6		BCY or
		Source of esti	mated quantity: Staff est				_
			mateu quantity. <u></u>	mats			
	HOURLY PRO	DDUCTION					
	Seismic:		~				
	<u>Seismic:</u>		Seismic Velocity:	NA	feet/secon	d	
	<u>Seismic:</u> <u>Area:</u>					d	
		Avera	ge Ripping Depth:	2.56	feet/pass	d	
		Averaş Averaş	ge Ripping Depth: ge Ripping Width:	2.56 7.08	feet/pass feet/pass	d	
		Averaş Averaş Averaş	ge Ripping Depth: ge Ripping Width: e Ripping Length:	2.56 7.08 150.00	feet/pass feet/pass feet/pass		
		Averaş Averaş Averag Aver	ge Ripping Depth: ge Ripping Width: e Ripping Length: rage Dozer Speed:	2.56 7.08	feet/pass feet/pass	e	
		Averaş Averaş Averag Aver Average	ge Ripping Depth: ge Ripping Width: e Ripping Length:	2.56 7.08 150.00 88.00	feet/pass feet/pass feet/pass feet/minut	e ass	
	<u>Area:</u>	Averaş Averaş Averag Aver Average Produc	ge Ripping Depth: ge Ripping Width: e Ripping Length: rage Dozer Speed: e Maneuver Time: ction per unit area:	2.56 7.08 150.00 88.00 0.25	feet/pass feet/pass feet/pass feet/minut minutes/p	e ass	
	<u>Area:</u> Job Condition Co	Averaş Averaş Averag Aver Averag Produc	ge Ripping Depth: ge Ripping Width: e Ripping Length: rage Dozer Speed: e Maneuver Time: ction per unit area:	2.56 7.08 150.00 88.00 0.25 0.748	feet/pass feet/pass feet/pass feet/minut minutes/p acres/hour	e ass	
	<u>Area:</u> Job Condition Co	Averaş Averaş Averag Aver Averag Produc	ge Ripping Depth: ge Ripping Width: e Ripping Length: rage Dozer Speed: e Maneuver Time: ction per unit area: <u>S</u> y Unit Production:	2.56 7.08 150.00 88.00 0.25 0.748	feet/pass feet/pass feet/pass feet/minut minutes/p acres/hour Acres/hr	e ass	
	<u>Area:</u> Job Condition Co	Averaş Averaş Averag Aver Averag Produc	ge Ripping Depth: ge Ripping Width: e Ripping Length: rage Dozer Speed: e Maneuver Time: ction per unit area: <u>s</u> y Unit Production: Site Altitude:	2.56 7.08 150.00 88.00 0.25 0.748 0.748 5,875	feet/pass feet/pass feet/pass feet/minut minutes/p acres/hour Acres/hr feet	e ass	
	<u>Area:</u> Job Condition Co	Averaş Averaş Averag Aver Averag Produc	ge Ripping Depth: ge Ripping Width: e Ripping Length: rage Dozer Speed: e Maneuver Time: ction per unit area: <u>S</u> y Unit Production: Site Altitude:	2.56 7.08 150.00 88.00 0.25 0.748 0.748 5,875 1.00	feet/pass feet/pass feet/pass feet/minut minutes/p acres/hour Acres/hr feet (CAT HB	e ass	
	<u>Area:</u> Job Condition Co	Averaş Averaş Averag Aver Averag Produc	ge Ripping Depth: ge Ripping Width: e Ripping Length: rage Dozer Speed: e Maneuver Time: ction per unit area: S y Unit Production: Site Altitude: Altitude Adj: Job Efficiency:	2.56 7.08 150.00 88.00 0.25 0.748 0.748 5,875 1.00 0.83	feet/pass feet/pass feet/pass feet/pass feet/minut minutes/p acres/hour Acres/hr feet (CAT HB (1 shift/da	e ass	
	<u>Area:</u> Job Condition Co	Averaş Averag Averag Averag Produc <u>prrection Factor</u> adjusted Hourly	ge Ripping Depth: ge Ripping Width: e Ripping Length: rage Dozer Speed: e Maneuver Time: ction per unit area: S y Unit Production: Site Altitude: Altitude Adj: Job Efficiency: Net Correction:	$\begin{array}{r} 2.56 \\ \hline 7.08 \\ \hline 150.00 \\ \hline 88.00 \\ \hline 0.25 \\ \hline 0.748 \\ \hline 0.748 \\ \hline 5,875 \\ \hline 1.00 \\ \hline 0.83 \\ \hline 0.83 \\ \hline 0.83 \\ \hline \end{array}$	feet/pass feet/pass feet/pass feet/minut minutes/p acres/hour Acres/hr feet (CAT HB (1 shift/da multiplier	e ass	
	<u>Area:</u> Job Condition Co	Averaş Averag Averag Average Produc <u>prrection Factor</u> adjusted Hourly	ge Ripping Depth: ge Ripping Width: e Ripping Length: rage Dozer Speed: e Maneuver Time: ction per unit area: S y Unit Production: Site Altitude: Altitude Adj: Job Efficiency: Net Correction: I Hourly Unit Production:	2.56 7.08 150.00 88.00 0.25 0.748 0.748 5,875 1.00 0.83 0.83 0.62	feet/pass feet/pass feet/pass feet/pass feet/minut minutes/p acres/hour Acres/hr feet (CAT HB (1 shift/da multiplier Acres/hr	e ass	
	<u>Area:</u> Job Condition Co Un	Averag Averag Averag Average Produc orrection Factor adjusted Hourly Adjusted Adjusted	ge Ripping Depth: ge Ripping Width: e Ripping Length: rage Dozer Speed: e Maneuver Time: ction per unit area: S y Unit Production: Site Altitude: Altitude Adj: Job Efficiency: Net Correction:	$\begin{array}{r} 2.56 \\ \hline 7.08 \\ \hline 150.00 \\ \hline 88.00 \\ \hline 0.25 \\ \hline 0.748 \\ \hline 0.748 \\ \hline 5,875 \\ \hline 1.00 \\ \hline 0.83 \\ \hline 0.83 \\ \hline 0.83 \\ \hline \end{array}$	feet/pass feet/pass feet/pass feet/minut minutes/p acres/hour Acres/hr feet (CAT HB (1 shift/da multiplier	e ass	
	<u>Area:</u> Job Condition Co Un	Averag Averag Averag Average Produc orrection Factor adjusted Hourly Adjusted Adjusted	ge Ripping Depth: ge Ripping Width: e Ripping Length: rage Dozer Speed: e Maneuver Time: ction per unit area: <u>S</u> y Unit Production: Site Altitude: Altitude Adj: Job Efficiency: Net Correction: Hourly Unit Production: Hourly Fleet Production:	2.56 7.08 150.00 88.00 0.25 0.748 0.748 5,875 1.00 0.83 0.83 0.83 0.62 <b>0.62</b>	feet/pass feet/pass feet/pass feet/minut minutes/p acres/hour Acres/hr feet (CAT HB (1 shift/da multiplier Acres/hr Acres/hr	e ass ) y)	
	<u>Area:</u> Job Condition Co Un	Averag Averag Averag Average Produc orrection Factor adjusted Hourly Adjusted Adjusted	ge Ripping Depth: ge Ripping Width: e Ripping Length: rage Dozer Speed: e Maneuver Time: ction per unit area: S y Unit Production: Site Altitude: Altitude Adj: Job Efficiency: Net Correction: I Hourly Unit Production:	2.56 7.08 150.00 88.00 0.25 0.748 0.748 5,875 1.00 0.83 0.83 0.83 0.62 <b>0.62</b>	feet/pass feet/pass feet/pass feet/pass feet/minut minutes/p acres/hour Acres/hr feet (CAT HB (1 shift/da multiplier Acres/hr	e ass ) y)	łours

# **REVEGETATION WORK**

Task desc	ription:	Revegetate 1.43 acres of Office/Scale Area		
Site: WRC (	Gravel Pit	Permit Action: 2023-11	Permit/Jol	o#: M2008070
<u>PROJEC</u>	T IDENTIFIC	ATION		
Task # Date		State:       Colorado         County:       Rio Blanco	_ Abbreviation: Filename:	None M070-06a
User	: ACY			

## **FERTILIZING**

#### Materials

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

## Application

Description	Cost /Acre
	\$
Total Fertilizer Application Cost/Acre	\$0.00

## **TILLING**

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$112.82
Total Tilling Cost/Acre	\$112.82

### **SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Nespar	0.90	2.91	\$7.99
Bluebunch Wheatgrass - Secar	1.50	4.82	\$16.31
Bottlebrush Squirreltail	0.50	2.20	\$8.11
Sandberg Bluegrass - VNS	0.80	16.99	\$6.72
Streambank Wheatgrass - Sodar	0.60	1.96	\$3.42
Rabbitbrush, Rubber	0.01	0.15	\$0.64
Western Wheatgrass - Rosanna	2.00	5.05	\$11.50
Sagebrush, Wyoming Big	0.01	0.59	\$0.23
Saltbush, Four Wing	0.20	0.28	\$2.50

<b>Totals Seed Mix</b> 6.52	34.95 <b>\$57.43</b>	

### 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 - Curtail @ 4.0 pt/ac	1.00	ACRE	\$35.09	\$35.09
Straw, delivered {MEANS 31 25 14.16 1200}	1.50	TON	\$429.79	\$644.68
Total Mulch Materials Cost/Acre				\$679.77

## Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$74.46
Power mulcher (MEANS 32 91 13.16 0350)		\$147.67
Weed spray, truck, non-aquatic area, nox. [DMG]		\$62.72
	Total Mulch Application Cost/Acre	\$284.85

### **NURSERY STOCK PLANTING**

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
		Totals	Nursery Stoc	k Cost / Acre	\$0.00

No. of Acres:	1.43	Cost /Acre:	\$1,366.87
Estimated Failure Rate:	40%	Cost /Acre*:	\$1,366.87
*Selected Replanting Work Items:	TILLING,SEEDIN	G,MULCHING	

\$1,954.62
\$781.85
\$2,736
4.00

## EQUIPMENT MOBILIZATION/DEMOBILIZATION

PROJECT IDENTIFICATIONTask #:10AState:ColoradoAbbreviaDate:12/12/2023County:Rio BlancoFilenUser:ACYAgency or organization name:DRMSShift basis Cost Data SourceTruck Tractor Description:GENERIC ON-HIGHWAY TRUCK TRACTOR, 400 HP (2ND HALF, 20) Truck Trailer Description:Cost Breakdown:Available Rig Capacities0-25 Tons26-50 Tons51+ Tons StrongOperator Cost/Hour:\$20.26\$36.04\$47.05Operator Cost/Hour:\$20.26\$36.04\$47.05Operator Cost/Hour:\$20.25\$22.52Helper Cost/Hour:\$20.26\$36.04\$47.05Operator Cost/Hour:\$20.26\$36.04\$47.05Operator Cost/Hour:\$20.25\$22.52Helper Cost/Hour:\$22.52\$22.52Helper Cost/Hour:\$20.00\$23.53\$23.53Total Unit Cost/Hour:\$82.29NON ROADABLE EQUIPMENT:MachineWeight/ UnitOwner ship Cost/hr/unitHaul Rig Cost/hr/unitFleet Cost/hr/unit Cost/hr/unitHaul Trip Cost/hr/unit Cost/hr/unitCost DAT - 8SU53.08\$255.49\$175.951\$431.44\$		
Task #:10AState:ColoradoAbbreviaDate:12/12/2023County:Rio BlancoFilenUser:ACYAgency or organization name:DRMSAgency or organization name:DRMSEQUIPMENT TRANSPORT RIG COSTShift basis Cost Data SourceTruck Tractor Description:GENERIC ON-HIGHWAY TRUCK TRACTOR, 400 HP (2ND HALF, 20) Truck Trailer Description:Cost Breakdown:Available Rig Capacities0-25 Tons26-50 Tons51+ TonsOwnership Cost/Hour:\$20.26\$36.04\$47.05Operator Cost/Hour:\$20.26\$36.04\$47.05Operator Cost/Hour:\$20.25\$22.52\$22.52Helper Cost/Hour:\$20.00\$23.53\$23.53Total Unit Cost/Hour:\$82.29\$158.17\$175.95MachineWeight/ UnitOwner ship Cost/hr/unitHaul Rig Cost/hr/unitFleet Size Cost/hr/unitHaul Trip Gest/hr/unitMachineWeight/ UnitOwner ship Cost/hr/unitHaul Trip Size Cost/hr/unitI Gest/hr/unitI Gest/hr/unitMachineWeight/ UnitOwner ship Cost/hr/unitHaul Rig Gest/hr/unitFleet Size Gest/hr/unitMachineWeight/ Dil/Broadcast25.00\$6.73\$82.291\$431.44\$ S89.02\$	ermit/Job#: <u>M</u>	12008070
Date: $12/12/2023$ ACYCounty: $\overline{\text{Rio Blanco}}$ FilenUser: $ACY$ Agency or organization name:DRMSEQUIPMENT TRANSPORT RIG COSTShift basis Cost Data SourceTruck Tractor Description:GENERIC ON-HIGHWAY TRUCK TRACTOR, 400 HP (2ND HALF, 20) Truck Trailer Description:GENERIC FOLDING GOOSENECK, DROI TRAILER (25T, 50T, ANDCost Breakdown:Available Rig Capacities0-25 Tons26-50 Tons51+ Tons S1+ TonsOwnership Cost/Hour:\$20.26\$36.04\$47.05Operating Cost/Hour:\$20.26\$36.04\$47.05Operator Cost/Hour:\$20.26\$36.04\$47.05Operator Cost/Hour:\$20.26\$36.04\$47.05Operator Cost/Hour:\$20.26\$36.04\$47.05Operator Cost/Hour:\$20.26\$36.04\$47.05Operator Cost/Hour:\$20.26\$36.04\$47.05Operator Cost/Hour:\$20.26\$36.04\$47.05Operator Cost/Hour:\$20.25\$22.52\$22.52Helper Cost/Hour:\$20.29\$158.17\$175.95NON ROADABLE EQUIPMENT:MachineWeight/ UnitOwner ship Cost/hr/ unitHaul Rig Cost/hr/ unit fleetHaul Trip Cost/hr/ fleetMachineWeight/ UnitOwner ship Cost/hr/ unit TOS3.08\$255.49\$175.95\$431.		
User: $\underline{ACY}$ Agency or organization name: DRMSBMSEQUIPMENT TRANSPORT RIG COSTShift basis Cost Data SourceTruck Tractor Description:GENERIC ON-HIGHWAY TRUCK TRACTOR, 400 HP (2ND HALF, 20) Truck Trailer Description:Truck Trailer Description:GENERIC FOLDING GOOSENECK, DROI TRAILER (25T, 50T, ANDCost Breakdown:Available Rig Capacities0-25 Tons26-50 Tons51+ TonsOwnership Cost/Hour:\$20.26\$36.04\$47.05Operating Cost/Hour:\$20.26\$36.04\$47.05Operator Cost/Hour:\$22.52\$22.52Helper Cost/Hour:\$30.00\$23.53Total Unit Cost/Hour:\$82.29\$158.17\$175.95MachineWeight/ Unit Cost/hr/unitCost/hr/unit Cost/hr/unit Cost/hr/unit Cost/hr/unit Cost/hr/unit Cost/hr/unit Cost/hr/unit Cost/hr/unit Cost/hr/unit Cost/hr/unit Cost/hr/unit Cost/hr/unit Cost/hr/ fleetHaul Trip Fleet Cost/hr/ Fleet Fleet Fleet Fleet Fleet FleetMachine Drill/BroadcastQOWner ship Cost/hr/unit Cost/hr/unit Cost/hr/unit Cost/hr/unit Cost/hr/unit Cost/hr/unit Cost/hr/unit FleetHaul Trip<		
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Truck Tractor Description:     GENERIC ON-HIGHWAY TRUCK TRACTOR, 400 HP (2ND HALF, 20) 400 HP (2ND HALF, 20) GENERIC FOLDING GOOSENECK, DRO) TRAILER (25T, 50T, AND       Cost Breakdown:       Available Rig Capacities     0-25 Tons     26-50 Tons     51+ Tons       Ownership Cost/Hour:     \$20.26     \$36.04     \$47.05       Operating Cost/Hour:     \$39.51     \$76.08     \$82.85       Operator Cost/Hour:     \$22.52     \$22.52     \$22.52       Helper Cost/Hour:     \$0.00     \$23.53     \$23.53       Total Unit Cost/Hour:     \$82.29     \$158.17     \$175.95       Machine     Weight/ Unit (TONS)     Owner ship Cost/hr/unit t Cost/hr/unit K     Haul Rig Cost/hr/unit Size K     Fleet Cost/hr/ fleet     Haul Trip Cost/hr/ fleet       Cat D8T - 8SU     \$3.08     \$255.49     \$175.95     1     \$431.44     \$		
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Operator Cost/Hour:       \$22.52       \$22.52       \$22.52         Helper Cost/Hour:       \$0.00       \$23.53       \$23.53         Total Unit Cost/Hour:       \$82.29       \$158.17       \$175.95         NON ROADABLE EQUIPMENT:       Weight/       Owner ship       Haul Rig       Fleet       Haul Trip       Haul Trip<		
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Description       Unit (TONS)       Cost/hr/unit t       Cost/hr/unit t       Size fleet       Cost/hr/ fleet       Cost/hr/ fleet         Cat D8T - 8SU       53.08       \$255.49       \$175.95       1       \$431.44       \$ \$89.02       \$		
Description       Unit (TONS)       Cost/hr/unit (TONS)       Cost/hr/unit t       Size t       Cost/hr/ fleet       Cost/hr/ fleet       Cost/hr/ fleet         Cat D8T - 8SU       53.08       \$255.49       \$175.95       1       \$431.44       \$ \$89.02       \$	Return Trip	DOT Permit
r       (TONS)       t       fleet         Cat D8T - 8SU       53.08       \$255.49       \$175.95       1       \$431.44       \$         Drill/Broadcast       25.00       \$6.73       \$82.29       1       \$89.02       \$	Cost/hr/ fleet	Cost/ fleet
Cat D8T - 8SU       53.08       \$255.49       \$175.95       1       \$431.44       \$         Drill/Broadcast       25.00       \$6.73       \$82.29       1       \$89.02       \$		
	\$175.95	\$250.00
Tractor	\$82.29	\$250.00
	\$82.29	\$250.00
Subtotals: <b>\$628.69</b>	\$340.53	\$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	\$127.92	2	\$255.84	\$255.84
Water Tanker, 2,500 Gal.	\$55.39	1	\$55.39	\$55.39
Flatbed Truck, 4x2, 30K GVW	\$63.90	1	\$63.90	\$63.90
			<b>4055 10</b>	<b>4055</b> 10

Subtotals: \$375.13 \$375.13

## **EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region: Total one-way travel distance: Average Travel Speed:	GRAND JUNCTION 120.00 50.00	_ miles _ mph
Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig:	\$7,409.64	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$1,800.62	

Transportation Cycle Time:

	Non- Roadable Equipment	Roadable Equipment
Haul Time (Hours):	2.40	2.40
Return Time (Hours):	2.40	2.40
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	5.80	4.80

### JOB TIME AND COST

Total job time: \_\_\_\_\_ Hours

Total job cost: **\$9,210** 

# EQUIPMENT MOBILIZATION/DEMOBILIZATION

	Sec	ondary Mobilizat	lion				
e: WRC Gravel Pit		Permit Action: _2023-11		-11	Permit/Job#: <u>M2008070</u>		
PROJECT IDE	NTIFICATI	<u>ON</u>					
Task #: 10	В	State: Co	olorado		Abbro	viation: N	Vone
Date: 12 User: AC	/12/2023 CY	County: Ri	o Blanco		Fi	lename: N	/1070-10b
Agency	or organization	n name: DRMS					
EQUIPMENT '	<b>FRANSPOR</b>	<u>T RIG COST</u>					
				C	Shift ba Cost Data Sou		er day G Data
Truc	k Tractor Desc	ription: GENE	RIC ON-HIGH		CK TRACTO (2ND HALF,		ESEL POWERED,
Truc	k Trailer Desc	ription: G	ENERIC FOLD		SENECK, DF (25T, 50T, AN		EQUIPMENT
Cost Breakdown:							
Available Rig C	anacities	0-25 Tons	26-50 Tons	51+	Tons		
Ownership Cost/Hour:				51	10115		
	o Cost/Hour:	\$20.26	\$36.04	\$4	7.05		
Operating	c Cost/Hour: g Cost/Hour:	\$20.26 \$39.51	\$36.04 \$76.08	\$4 \$8	7.05 2.85		
Operating Operato	c Cost/Hour: g Cost/Hour: r Cost/Hour:	\$20.26 \$39.51 \$22.52	\$36.04 \$76.08 \$22.52	\$4 \$8 \$2	7.05 2.85 2.52		
Operating Operato Helpe	c Cost/Hour: g Cost/Hour: r Cost/Hour: r Cost/Hour:	\$20.26 \$39.51 \$22.52 \$0.00	\$36.04 \$76.08 \$22.52 \$23.53	\$4 \$8 \$2 \$2 \$2	7.05     2.85     2.52     3.53		
Operating Operato Helpe	c Cost/Hour: g Cost/Hour: r Cost/Hour:	\$20.26 \$39.51 \$22.52	\$36.04 \$76.08 \$22.52	\$4 \$8 \$2 \$2 \$2	7.05 2.85 2.52		
Operating Operato Helpe	o Cost/Hour: g Cost/Hour: r Cost/Hour: r Cost/Hour: t Cost/Hour:	\$20.26 \$39.51 \$22.52 \$0.00 \$82.29	\$36.04 \$76.08 \$22.52 \$23.53	\$4 \$8 \$2 \$2 \$2	7.05     2.85     2.52     3.53		
Operating Operato Helpe Total Uni	o Cost/Hour: g Cost/Hour: r Cost/Hour: r Cost/Hour: t Cost/Hour: BLE EQUIPN	\$20.26 \$39.51 \$22.52 \$0.00 \$82.29 MENT:	\$36.04 \$76.08 \$22.52 \$23.53 \$158.17	\$4 \$8 \$2 \$2 \$2	7.05       2.85       2.52       3.53       75.95	Return Tri	
Operating Operato Helpe Total Uni	o Cost/Hour: g Cost/Hour: r Cost/Hour: r Cost/Hour: t Cost/Hour:	\$20.26 \$39.51 \$22.52 \$0.00 \$82.29	\$36.04 \$76.08 \$22.52 \$23.53	\$4 \$8 \$2 \$2 \$1	7.05     2.85     2.52     3.53	Return Tri Cost/hr/ fle	
Operating Operato Helpe Total Uni NON ROADAE Machine Description Drill/Broadcast Seeder with Tractor	o Cost/Hour: g Cost/Hour: r Cost/Hour: r Cost/Hour: t Cost/Hour: BLE EQUIPN Weight/ Unit	\$20.26 \$39.51 \$22.52 \$0.00 \$82.29 MENT: Owner ship Cost/hr/ unit \$6.73	\$36.04 \$76.08 \$22.52 \$23.53 \$158.17 Haul Rig Cost/hr/uni	\$4 \$8 \$2 \$2 \$1 \$1	7.05 2.85 2.52 3.53 75.95 Haul Trip Cost/hr/ fleet \$89.02	Cost/hr/ fle \$82.29	\$250.00
Operating Operato Helpe Total Uni <b>NON ROADAE</b> Machine Description Drill/Broadcast Seeder with	o Cost/Hour: g Cost/Hour: r Cost/Hour: r Cost/Hour: t Cost/Hour: <b>SLE EQUIPN</b> Weight/ Unit (TONS)	\$20.26 \$39.51 \$22.52 \$0.00 \$82.29 MENT: Owner ship Cost/hr/ unit	\$36.04 \$76.08 \$22.52 \$23.53 \$158.17 Haul Rig Cost/hr/uni t	\$4 \$8 \$2 \$2 \$1 Fleet Size	7.05 2.85 2.52 3.53 75.95 Haul Trip Cost/hr/ fleet	Cost/hr/ fle	eet Cost/ fleet

### **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	\$127.92	2	\$255.84	\$255.84
		Subtotals:	\$255.84	\$255.84

## **EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region:	GRAND JUNCTION	_
Total one-way travel distance:	120.00	miles
Average Travel Speed:	50.00	mph
Total Non-Roadable Mob/Demob Cost *	\$3,131.28	
<b>'*</b> two round trips with haul rig:		-
Total Roadable Mob/Demob Cost **	\$1,228.03	
** one round trip, no haul rig:	\$1,220.05	_

Transportation Cycle Time:

	Non- Roadable Equipment	Roadable Equipment
Haul Time (Hours):	2.40	2.40
Return Time (Hours):	2.40	2.40
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	5.80	4.80

### JOB TIME AND COST

Total job time: \_\_\_\_\_ Hours

Total job cost: \$4,359



December 12, 2023

David Grounds OWL SWD Operating, LLC David.Grounds@pilotwater.com

### RE: White River Pit, Permit No. M-2008-070, Reclamation Cost Estimate

Dear Mr. Grounds:

This reclamation cost update was in response to the site inspection conducted on November 30, 2023. 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.

The bond was last recalculated in 2013 with AM-1. Below is a table summarizing input values. Changes from the 2018 calculation are in red. This table does not account for price changes resulting from inflation or other RS Means cost changes. Bond calculations are based on a combination of field observations and worst case scenario based on the approved reclamation plan.

#### **Assumptions**:

- Post AR-2 site is 20.77 ac w/ Access road is 5.67 ac, Parking office is 1.43 ac, Phase 1 is 13.67 ac
- All slopes go to a 3H: 1V or less
- No topsoil has been replaced to date.

Task	Form Used	Description
01a	Dozer	Backfill west highwall of Cell B 300 LF @ 15' H f vert to a 3H: 1V backfill = 3,750 CCY Excess material located within 250' away
01b	Dozer	Highwall Grading misc. in Cell C = 1,111 BCY 800 LF @ 10'H 1H: 1V to 3H: 1V cut/fill = 741 BCY, 400 LF @ 5'H 1H: 1V to 3H: 1V backfill = 370 CCY
02a	Ripper	Decompact pit floor 9.5 ac



03a	Dozer	Spread topsoil on Phase 1 – 6" over 13.67 ac = 11,100 CCY
04a	Reveg	Reveg @ 13.67 ac
05a	Ripper	Decompact office/scale area @ 1.43 ac
06a	Reveg	Reveg office/scale area @ 1.43 ac
10a	Mob	Initial Mobilization
10b	Mob	Secondary Mobilization
Indirect		Add in Division's standard indirect cost approx. 28%

Per policy I wanted to send this out for review prior to issuance. Please look it over and let me know if there are errors or concerns. If no response is received by Monday, February 12, 2024 then I'll issue SI-1 as is. SI-1 will result in a total required bond amount of \$126,419, which is an increase of \$19,871 over the \$106,548.00 currently held.

Please feel free to contact me with any further questions. Amy Yeldell at the Division of Reclamation, Mining and Safety, Rm 215, 1001 E 62<sup>nd</sup> Ave, Denver CO 80216. Direct contact can be made by phone at 303-866-3567 Ext 8183 or via email at amy.yeldell@ state.co.us

Sincerely,

Amy Geldell

**Amy Yeldell** Environmental Protection Specialist