

January 30, 2025

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

Re: Ready Mix Pit - File No. M-1977-023 Oldcastle SW Group, Inc. dba United Companies of Mesa County Surety Increase (SI-2)

Dear Jason Burkey:

On January 30, 2025 the Division of Reclamation, Mining and Safety increased the Financial Warranty requirement for this permit to <u>\$292,670.00</u>, in accordance with Rule 4.2.1 of the Rules and Regulations. <u>This is an increase of \$90,620.00</u> over the \$202,050 currently held.

The Division ordered amendment of the current Financial Warranty or submittal of a new Financial Warranty reflecting the increase, is due within 60 days from the date of this letter (March 31, 2025).

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, 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 if the amount of any increased Financial Warranty has not been provided by March 31, 2025.

If you have any questions, please contact me by telephone at (970) 433-8393, or by email at Dustin.czapla@state.co.us.

Sincerely,

Dustin M. Czapla Environmental Protection Specialist



COST SUMMARY WORK

_	Ready M	ix Pit	Per	rmit Action:	2024-12-18	Permit/Jol	o#: <u>M1977023</u>
PR	ROJECT	IDENTIFICAT	<u>'ION</u>				
	Task #:	000	State:	Colorado		Abbreviation:	None
	Date:	12/18/2024	County:	Gunnison		Filename:	M023-000
	User:	DMC	_			_	

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Site Cleanup/demo. structures	DEMOLISH	1	40.00	\$95,298
02a	Dewater ponds prior to final grading and removal of dikes	PUMPING	1	130.44	\$33,313
03a	Grade pond slopes and remove dikes	DOZER	2	60.97	\$39,215
05a	Haul topsoil from stockpile throughout site	TRUCK1	1	21.20	\$15,935
06a	Spread topsoil over banks and upland area	DOZER	1	15.41	\$4,957
07a	Revegetate pond banks and upland areas	REVEGE	1	15.00	\$40,741
08a	Mobilize reclamation crew and equipment	MOBILIZE	1	2.34	\$6,631
		<u>SUBTC</u>	DTALS:	285.36	\$236,090

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$4,769
Performance bond:	1.05	Total =	\$2,479
Job superintendent:	142.68	Total =	\$11,310
Profit:	10.00	Total =	\$23,609
		TOTAL O & P =	\$42,167
		CONTRACT AMOUNT (direct + O & P) = $\frac{1}{2}$	\$278,257

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): Engineering work and/or contract/bid preparation: Reclamation management and/or administration:	0.00	Total = Total =	****
CONTINGENCY:	0.00	Total =	\$0
	TO	ΓAL INDIRECT COST =	\$56,580
TOTAL BO	ND AMOU	JNT (direct + indirect) =	\$292,670

DEMOLITION WORK

	Task description:	Site Cleanu	p/demo. structu	res		
Site:	Ready Mix Pit		Permit Action:	2024-12-18	Permit/J	lob#: <u>M1977023</u>
<u>PROJE</u>	CT IDENTIFICATION	N				
Task #	: <u>01A</u>	State:	Colorado		Abbreviation:	None
Date	: 12/18/2024	County:	Gunnison		Filename:	01a
User	: DMC					
	Agency or organizat	ion name:	DRMS			

Location adjustment: 91.30 %

UNIT COSTS

Demolition Menu Structure or Item Unit **Total Cost** Dimensions Quantity Unit Selection Description Cost Disposal of misc. Loading and 5 mile haul, 150.00 CY \$23.95 \$3,592.50 150 c.y. debris (pipes, lumber, salvage allowed - Wood frame structures etc.) Shed Building on Bldg. (SN) demo./off-30' x 20' x 15' 9,000.00 CF \$0.35 \$3,108.60 north side of lake site disposal in approved landfill - Max. 5 mile haul Shed Concrete Pad 30' x 20' Demo. and on-site 600.00 SF \$1.24 \$743.82 disposal in excavated pit, 6 in. thick - Max. 200 ft. push Bldg. (MN) demo./off-130' x 65' x 20' 169,000.00 \$0.45 \$75,982.40 Office/Shop Building CF site disposal in approved (Plant Area) landfill - Max. 5 mile haul Office/Shop Building 130' x 65' Demo. and on-site 8,450.00 SF \$2.48 \$20,951.78 Concrete Pad disposal in excavated pit, 12 in. thick - Max. 200 ft. push

				Total Cost	
		Subtotal		(adjusted for	
Job Hours:	40.00	(unadjusted):	\$104,379.10	location):	\$95,298.12

B	-		al grading and removation	al of ulkes	
Ready Mix Pit		Permit Action	: 2024-12-18	Permit/Job#: N	11977023
PROJECT IDENTIF	ICATIO	N			
Task #: 02A		State: Colorad	0	Abbreviation: None	
Date: 12/18/2024	4	County: Gunnisc		Filename: 02	a
User: DMC					
Agency or orga	anization na	ame: DRMS			
HOURLY EQUIPM	ENT COS	ST			
`	Descrip			Quantity	
Make and Model:		igal pump - 200M, 10) in.	4	_
Attachment 1:				0	_
Attachment 2:				0	_
Labor Unit 1:	Pump of	perator		1	_
Horsepower: Shift Basis: 1	70				
Weight:	per day 1.95				
	JS Tons)				
Cost Breakdown:					
			Utilization %		
Ownership Cost/		\$115.12	NA		
Operating Cost/		\$118.20	100		
Operator Cost/ Total Unit Cost/		\$22.07	NA		
Total Unit Cost/	Hour:	\$255.39	_		
Total Fleet Cost	:/Hour:	\$255.39			
PUMPING QUANTI	ITIES				
Initial Pond Vol	lume:	380.00		Conversion factor:	325850.5800
Final Pond Vol	lume:	123,823,220.40	gallons		
Total Pond Inflow Su				Unit inflow rate in	
	Area:	35,000	Sq. ft.	gph/sq. ft.:	0.3516
	1.1				
Total Pond Inflow Vo		12.306.00	gallons		
Total Pond Inflow Vo	Hour:	12,306.00	gallons	d	
Total Pond Inflow Vo per I Source	Hour:	-	gallons x. 19 ac. ponds avg. 20'	depth	
Total Pond Inflow Vo	Hour:	-		depth	
Total Pond Inflow Vo per I Source <u>PUMPING TIME</u> Ma	Hour: of estimate ximum Pur	ed volume: <u>Approv</u>	<u>x. 19 ac. ponds avg. 20'</u> 200,000	gph/pump	
Total Pond Inflow Vo per I Source <u>PUMPING TIME</u> Ma E	Hour: of estimate ximum Pur Estimated S	ed volume:Approx np Capacity: uction Head:	200,000 10	_ gph/pump _ feet	
Total Pond Inflow Vo per I Source <u>PUMPING TIME</u> Ma E	Hour: of estimate ximum Pur Estimated S	ed volume:Approx np Capacity: uction Head: charge Head:	200,000 10 10 10	_ gph/pump _ feet _ feet	
Total Pond Inflow Vo per I Source <u>PUMPING TIME</u> Ma E	Hour: of estimate ximum Pur Estimated S imated Disc	ed volume: <u>Approv</u> np Capacity: uction Head: charge Head: Total Head:	200,000 10 10 20 20 20 20 20 20 20 20 20 2	_ gph/pump _ feet _ feet _ feet	
Total Pond Inflow Vo per I Source <u>PUMPING TIME</u> Ma E	Hour: of estimate eximum Pur Estimated S imated Disc CPB Pur	ed volume:Approx np Capacity: uction Head: charge Head:	200,000 10 10 10	_ gph/pump _ feet _ feet	
Total Pond Inflow Vo per I Source <u>PUMPING TIME</u> Ma E	Hour: of estimate eximum Pur Estimated S imated Disc CPB Pur	ed volume: <u>Approv</u> np Capacity: <u></u> uction Head: <u></u> charge Head: <u></u> Total Head: <u></u> np Capacity: <u></u>	200,000 10 10 20 200 20 20 20 20 20 20 20	_ gph/pump _ feet _ feet _ feet _ feet _ gph/pump	
Total Pond Inflow Vo per I Source <u>PUMPING TIME</u> Ma E Esti	Hour: of estimate Estimated S imated Disc CPB Pur	ed volume: <u>Approv</u> np Capacity: <u></u> uction Head: <u></u> charge Head: <u></u> Total Head: <u></u> np Capacity: <u></u> Site Altitude: <u></u>	200,000 10 10 20 201,000 7,650	_ gph/pump _ feet _ feet _ feet _ gph/pump _ feet	
Total Pond Inflow Vo per l Source <u>PUMPING TIME</u> Ma E Esti	Hour: of estimate Estimated S imated Disc CPB Pur S sted Pumpi	ed volume: <u>Approv</u> np Capacity: <u></u> uction Head: <u></u> charge Head: <u></u> Total Head: <u></u> np Capacity: <u></u>	200,000 10 10 20 200 20 20 20 20 20 20 20	_ gph/pump _ feet _ feet _ feet _ feet _ gph/pump	
Total Pond Inflow Vo per 1 Source <u>PUMPING TIME</u> Ma E Esti Adju: Initial Una Inflow	Hour: of estimate eximum Pur Estimated S imated Disc CPB Pur S sted Pumpi adjusted Pur during Init	ed volume: <u>Approv</u> np Capacity: <u></u> uction Head: <u></u> charge Head: <u></u> Total Head: <u></u> np Capacity: <u></u> Site Altitude: <u></u> ng Capacity: <u></u> ng Capacity: <u></u> al Pumping Time: <u></u>	200,000 10 10 10 20 201,000 7,650 804,000 154.01 1,895,235	gph/pump feet feet feet gph/pump feet gph hours gallons	
Total Pond Inflow Vo per 1 Source <u>PUMPING TIME</u> Ma E Esti Adju: Initial Una Inflow Net Una	Hour: of estimate eximum Pur Estimated S imated Disc CPB Pur S sted Pumpi adjusted Pur during Init adjusted Pu	ed volume: <u>Approv</u> mp Capacity: uction Head: charge Head: Total Head: np Capacity: Site Altitude: mping Time: ial Pumping: mping Time:	200,000 10 10 10 20 201,000 7,650 804,000 154.01 1,895,235 156.37	gph/pump feet feet feet gph/pump feet gph hours gallons Hours	
Total Pond Inflow Vo per 1 Source <u>PUMPING TIME</u> Ma Esti Adju: Initial Una Inflow Net Una Altit	Hour: of estimate eximum Pur Estimated S imated Disc CPB Pur S sted Pumpi adjusted Pur during Init adjusted Pur tude Adjust	ed volume: <u>Approv</u> np Capacity: <u></u> uction Head: <u></u> charge Head: <u></u> Total Head: <u></u> np Capacity: <u></u> site Altitude: <u></u> ng Capacity: <u></u> ng Capacity: <u></u> mping Time: <u></u> mping Time: <u></u> mping Time: <u></u> ment Factor: <u></u>	200,000 10 10 20 201,000 7,650 804,000 154.01 1,895,235 156.37 0.9100	gph/pump feet feet gph/pump feet gph hours gallons Hours (3% rule)	
Total Pond Inflow Vo per 1 Source <u>PUMPING TIME</u> Ma E Esti Adju: Initial Una Inflow Net Una Altit F	Hour: of estimate eximum Pur Estimated S imated Disc CPB Pur S sted Pumpi during Init during Init during Init edjusted Pur tude Adjust	ed volume: <u>Approv</u> np Capacity: <u></u> uction Head: <u></u> charge Head: <u></u> Total Head: <u></u> np Capacity: <u></u> site Altitude: <u></u> ng Capacity: <u></u> ial Pumping Time: <u></u> ial Pumping: <u></u> mping Time: <u></u> ment Factor: <u></u> iency Factor: <u></u>	200,000 10 10 20 201,000 7,650 804,000 154.01 1,895,235 156.37 0.9100 0.9167	gph/pump feet feet get gph/pump feet gph hours gallons Hours (3% rule) (55 min./hr.)	
Total Pond Inflow Vo per 1 Source <u>PUMPING TIME</u> Ma E Esti Adju: Initial Una Inflow Net Una Altit F Total A	Hour: of estimate eximum Pur Estimated S imated Disc CPB Pur S sted Pumpi adjusted Pur during Init adjusted Pur tude Adjust Pump Effici adjusted Pur	ed volume: <u>Approv</u> np Capacity: <u></u> uction Head: <u></u> charge Head: <u></u> Total Head: <u></u> np Capacity: <u></u> site Altitude: <u></u> ng Capacity: <u></u> ng Capacity: <u></u> mping Time: <u></u> mping Time: <u></u> mping Time: <u></u> ment Factor: <u></u>	200,000 10 10 20 201,000 7,650 804,000 154.01 1,895,235 156.37 0.9100	gph/pump feet feet gph/pump feet gph hours gallons Hours (3% rule)	
Total Pond Inflow Vo per 1 Source <u>PUMPING TIME</u> Ma E Esti Adju: Initial Una Inflow Net Una Altit F	Hour: of estimate eximum Pur Estimated S imated Disc CPB Pur S sted Pumpi adjusted Pur during Init adjusted Pur tude Adjust Pump Effici adjusted Pur	ed volume: <u>Approv</u> np Capacity: <u></u> uction Head: <u></u> charge Head: <u></u> Total Head: <u></u> np Capacity: <u></u> site Altitude: <u></u> ng Capacity: <u></u> ial Pumping Time: <u></u> ial Pumping: <u></u> mping Time: <u></u> ment Factor: <u></u> iency Factor: <u></u>	200,000 10 10 20 201,000 7,650 804,000 154.01 1,895,235 156.37 0.9100 0.9167	gph/pump feet feet gph/pump feet gph hours gallons Hours (3% rule) (55 min./hr.) hours	Hours

PUMPING WORK

BULLDOZER WORK

Task description:	Grade poi	d slopes and remo	ve unites		
Ready Mix Pit		Permit Action:	2024-12-18	Permit/Job#:	M1977023
PROJECT IDENT	TIFICATION				
Task #: 03A	5	State: Colorado		Abbreviation:	None
Date: $\frac{0.0011}{12/18/29}$		unty: Gunnison		Filename:	03a
User: DMC		J		-	
Agency or o	rganization name:	DRMS			
HOURLY EQUIP	MENT COST				
Basic Machine:	Cat D8T - 8SU				
	310				
	Semi-Universal				
	NA				
	1 per day				
Data Source:	(CRG)				
Cost Breakdown:		,			
a 11 - (<u></u>	<u>Utilization %</u>		
Ownership Cost/Hou		\$173.32	NA		
Operating Cost/Hou		\$109.71	100		
Ripper own. Cost/Hou		\$0.00	NA		
Ripper op. Cost/Hou		\$0.00	0		
Operator Cost/Hou	ır:	\$38.59	NA		
Total Fleet Cost/Hour MATERIAL QUA					
Initial Volume: 3	30,000				
Swell factor: 1	.050				
Loose volume: 3	81,500 LCY				
Source of estimated v	olume: Di	vision of Reclamati			
			on Mining & Safety		
			on, Mining & Safety		
Source of estimated sy		t Handbook	on, Mining & Safety		
Source of estimated sy	well factor: Ca		on, Mining & Safety		
Source of estimated synthesis by the second synthesis of the second synthesis	well factor: <u>Ca</u> J CTION	t Handbook	on, Mining & Safety		
Source of estimated sy HOURLY PRODU Average push distance	well factor: <u>Ca</u> J <u>CTION</u> e: 100 f	t Handbook	on, Mining & Safety		
Source of estimated synthesis by the second synthesis of the second synthesis	well factor: <u>Ca</u> J <u>CTION</u> e: 100 f	t Handbook	on, Mining & Safety 		
Source of estimated sy HOURLY PRODU Average push distance	well factor: Ca JCTION	t Handbook			
Source of estimated sy HOURLY PRODU Average push distance Unadjusted hourly pro Materials consistency Average push gradien	well factor: Ca JCTION	t Handbook Feet 5 LCY/hr			
Source of estimated sy HOURLY PRODU Average push distance Unadjusted hourly pro Materials consistency	well factor: <u>Ca</u> J <u>CTION</u> e: <u>100 f</u> oduction: <u>852.6</u> description: <u>(</u>	t Handbook Feet 5 LCY/hr			
Source of estimated sy HOURLY PRODU Average push distance Unadjusted hourly pro Materials consistency Average push gradien	well factor: Ca JCTION	t Handbook feet 5 LCY/hr Compacted fill or en			
Source of estimated sy HOURLY PRODU Average push distance Unadjusted hourly pro Materials consistency Average push gradien Average site altitude:	well factor: Ca JCTIONe:100 foduction:852.6description:0at:0 %7,650 feet	t Handbook feet 5 LCY/hr Compacted fill or en CY			
Source of estimated sy HOURLY PRODU Average push distance Unadjusted hourly pro Materials consistency Average push gradien Average site altitude: Material weight: Weight description: Iob Condition Correct	well factor: Ca JCTION	t Handbook Feet 5 LCY/hr Compacted fill or en CY CY ravel - Wet	mbankment 0.9		
Source of estimated sy HOURLY PRODU Average push distance Unadjusted hourly pro Materials consistency Average push gradien Average site altitude: Material weight: Weight description: <u>Job Condition Correct</u> Operat	well factor: Ca JCTION	t Handbook feet 5 LCY/hr Compacted fill or en CY CY avel - Wet 0.750	mbankment 0.9		
Source of estimated sy HOURLY PRODU Average push distance Unadjusted hourly pro Materials consistency Average push gradien Average site altitude: Material weight: Weight description: <u>Job Condition Correct</u> Operation	well factor: Ca JCTION	t Handbook Feet 5 LCY/hr Compacted fill or en CY ravel - Wet 0.750 0.900			
Source of estimated sy HOURLY PRODU Average push distance Unadjusted hourly pro Materials consistency Average push gradien Average site altitude: Material weight: Weight description: <u>Iob Condition Correct</u> Opera Material con Dozing	well factor: Ca JCTION	t Handbook feet 5 LCY/hr Compacted fill or en CY CY avel - Wet 0.750	mbankment 0.9		

Task # 03A

Job efficienc	y: 0.830	(1 SHIFT/DAY)
Spoil pil	le: 0.800	(FND-RF)
Push gradier	nt: 1.000	(CAT HB)
Altitud	le: 1.000	(CAT HB)
Material Weigh	nt: 0.676	(CAT HB)
Blade typ	e: 1.000	(PAT)
Net correctio	n:0.3030	
Adjusted unit production:	258.34 LCY/hr	
Adjusted fleet production:	516.68 LCY/hr	

JOB TIME AND COST

Fleet size:	2 Dozer(s)
Unit cost:	\$1.245/LCY

Total job time:	60.97 Hours
Total job cost:	\$39,215

TRUCK/LOADER TEAM WORK

Site: Ready Mix Pit		Permit Action	on: <u>2024-12-18</u>	· · · · · · · · · · · · · · · · ·	Permit/Job#: <u>M</u>	1977023
PROJECT IDENTTask #:05ADate:12/18/2User:DMC		State: <u>Colora</u> County: <u>Gunni</u>		Ab	breviation: <u>No</u> Filename: <u>05</u> a	
	organization nan					
HOURLY EQUIP	MENT COST	_			sis: <u>1 per day</u>	
Tr	uck Loader Tea		Equipment Descri 770D	ption		
	rt Equipment -L	-Loader: CA' oad Area: NA	T 966H high lift			
Road Ma	-Du intenance –Moto	Imp Area: NA or Grader: NA				
			ter Tanker, 7,000	Gal.		
Cost Breakdown:	Truck/Loa	dan Taam	Summant	Farrianant	Maintanan	a Equinment
<u>Cost Breakdown</u> :	Truck	Loader	Load Area	Equipment Dump Area	Motor Grader	ce Equipment Water Truck
%Utilization-machine:	100	100	NA	NA	NA	100
Ownership cost/hour:	\$116.19	\$57.78	NA	NA	NA	\$73.42
Operating cost/hour:	\$85.60	\$46.25	NA	NA	NA	\$83.2
%Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	NA	NA	NA	\$0.00
Ripper op. cost/hour:	NA	\$0.00	NA	NA	NA	\$0.00
Operator cost/hour:	\$25.24	\$36.85	NA	NA	NA	\$0.00
Unit Subtotals:	\$227.03	\$140.88	NA	NA	NA	\$156.63
Number of Units:	2	1	0	0	0	<u></u>]
Group Subtotals:	Work:	\$594.94	Support:	\$0.00	Maint:	\$156.63
	ANTITIES 11,293 11,29 rce of estimated of estimated swe Material Purcha	CCY 3 LCY volume: Appr ill factor: Cat H ase Cost: \$0.00	rox. 14 ac.@ 6" de Handbook)	factor: <u>1.000</u> opth, pond banks a	and upland area	
HOURLY PROI		otal Cost: <u>\$0.00</u>)			
<u>Truck Capacity:</u> <u>Truck Payload (weig</u> Material we Descrip	eight: <u>1,600</u> otion: <u>Top So</u>		Pounds/LCY			
Rated Pay	load: 82,000		Pounds			

	21.60	LCY				
Heaped Volume:	31.70	LCY				
Average Volume:	26.65	LCY				
Adjusted Volume:	31.70	LCY				
Final	Truck Volume	e Based on Number of L	oader Passes:	31.50	LCY	
Loading Tool Capacity						
			Bucl	ket Size Class: <u>N</u>	IA	
Rated Capacity:	5.000	LCY (heaped)				
Bucket Fill Factor:	1.050	Other - moist loan	n (100-1	10%) 1.050		
Adjusted Capacity: _	5.250	LCY				
Job Condition Corrections:	<u>.</u>	Site	Altitude (ft.): <u>'</u>	7 <u>650</u> feet		
	Truck	Loader	Source			
Altitude Adj:	0.930	1.000	(CAT HE	3)		
Job Efficiency:	0.830	0.830	(CAT HE	3)		
Net Correction:	0.772	0.830				
Loading Tool Cycle Time:	Numbe	r of Loading Tool Passe	es Required to	Fill Truck:	6	passes
Excavators and Front Shove		0	1		-	1
Machine Cycle Time y	s Job Conditio	n Rating: NA				
Machine Cycle Time v Selected Value v						
	within this Basi	ic Rating: NA				
Selected Value	within this Basi Material Desci	ic Rating: NA				
Selected Value v Track Loaders –	within this Bas Material Desci	ic Rating: NA		 Dump:0.100)	
Selected Value v Track Loaders – Cycle Time Elements (min.):	within this Bas Material Desci	ic Rating: <u>NA</u> ription: Maneuver: <u>NA</u>		Dump:0.100		nutes
Selected Value v Track Loaders – Cycle Time Elements (min.): Load: <u>NA</u> Wheel and Track Loaders -	within this Bas Material Desci	ic Rating: <u>NA</u> ription: Maneuver: <u>NA</u>		Dump: 0.100	.500 mi	nutes
Selected Value v Track Loaders – Cycle Time Elements (min.): Load: <u>NA</u> Wheel and Track Loaders – Cycle Time Factors	within this Basi Material Descr Unadjusted Ba	ic Rating: <u>NA</u> ription: Maneuver: <u>NA</u> asic Loader Cycle Time		Dump: 0.100 naneuver): 0 Factor (min.)	.500 min Source	nutes
Selected Value v Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material:	within this Bas Material Descr M Unadjusted Ba Material up t	ic Rating: <u>NA</u> ription: <u>NA</u> Aaneuver: <u>NA</u> asic Loader Cycle Time o 1/8" diameter 0.02	(load, dump, r	Dump: 0.100 naneuver): 0 Factor (min.) 0.020	.500 min Source (Cat HB)	nutes
Selected Value v Track Loaders – Cycle Time Elements (min.): Load: <u>NA</u> Wheel and Track Loaders – Cycle Time Factors	within this Bas Material Descr – Unadjusted Ba Material up t Conveyor or	ic Rating: <u>NA</u> ription: Maneuver: <u>NA</u> asic Loader Cycle Time	(load, dump, r and up 0.00	Dump: 0.100 naneuver): 0 Factor (min.)	.500 min Source	nutes
Selected Value v Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders - Cycle Time Factors Material: Stockpile:	within this Bas Material Descr – Unadjusted Ba Material up t Conveyor or	ic Rating: <u>NA</u> ription: <u>NA</u> Maneuver: <u>NA</u> asic Loader Cycle Time <u>o 1/8" diameter 0.02</u> dozer piled 10 ft. high a mership of trucks and lo	(load, dump, r and up 0.00	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000	.500 min Source (Cat HB) (Cat HB)	nutes
Selected Value v Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership:	within this Bas Material Descr M Unadjusted Ba Material up t Conveyor or Common ow	ic Rating: <u>NA</u> ription: <u>NA</u> Maneuver: <u>NA</u> asic Loader Cycle Time <u>o 1/8" diameter 0.02</u> dozer piled 10 ft. high a nership of trucks and lo pration -0.04	(load, dump, r and up 0.00	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040	.500 min Source (Cat HB) (Cat HB) (Cat HB)	nutes
Selected Value v Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	within this Basi Material Descr Unadjusted Ba Material up t Conveyor or Common ow Constant ope	ic Rating: NA ription:	(load, dump, r and up 0.00 aders -0.04 Adjustment:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040	.500 min Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	nutes
Selected Value v Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	within this Basi Material Descr Unadjusted Ba Material up t Conveyor or Common ow Constant ope	ic Rating: NA ription: Maneuver: NA asic Loader Cycle Time to 1/8" diameter 0.02 dozer piled 10 ft. high a nership of trucks and lo pration -0.04 get 0.00 Net Cycle Time Adjusted Loader	(load, dump, r and up 0.00 aders -0.04 Adjustment: Cycle Time:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 0.000 -0.060 0.440	.500 min Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	nutes
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Selected Value v Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	within this Basi Material Descr N Unadjusted Ba Material up t Conveyor or Common ow Constant ope Nominal targ	ic Rating: NA ription: Maneuver: NA asic Loader Cycle Time to 1/8" diameter 0.02 dozer piled 10 ft. high a nership of trucks and lo pration -0.04 get 0.00 Net Cycle Time Adjusted Loader	(load, dump, r and up 0.00 aders -0.04 Adjustment: Cycle Time: te per Truck:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 0.000 -0.060 0.440	.500 min Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Selected Value v Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	within this Bas Material Descr Unadjusted Ba Material up t Conveyor or Common ow Constant ope Nominal targ	ic Rating: NA ription:	(load, dump, r and up 0.00 aders -0.04 Adjustment: Cycle Time: te per Truck:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 0.000 -0.040 0.000 0.000 0.060 0.440 2.300	.500 min Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	 Minutes
Selected Value v Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Exchange Time	within this Basi Material Descr Unadjusted Ba Material up t Conveyor or Common ow Constant ope Nominal targ	ic Rating: NA ription:	(load, dump, r and up 0.00 aders -0.04 Adjustment: Cycle Time: te per Truck: Adjusted Adjusted	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 0.000 -0.060 0.440 2.300 for site altitude:	.500 min Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes 0.645	nutes
Selected Value v Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Exchange Time Truck Load Time	within this Basi Material Descr Unadjusted Ba Material up t Conveyor or Common ow Constant ope Nominal targ	ic Rating: NA ription:	(load, dump, r and up 0.00 aders -0.04 Adjustment: Cycle Time: te per Truck: Adjusted Adjusted Adjusted	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.440 2.300	.500 min Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) 0.645 0.645 2.300 1.075	 Minute

Haul Rou				D 11 D		TT 1 1.	T1	
Seg #	Haul I (Ft)	Distance	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)	
1	500.00)	0.00	8.00	8.00	1057	0.541	
					Haul Time:	0.541	minutes	
Return R	oute:				=			
Seg #		Distance	Grade (%)	Roll. Res	Total Res	Velocity	Travel	
	(Ft)			(%)	(%)	(fpm)	Time (min)	
1	500.00)	0.00	8.00	8.00	2120	0.360	
					Return Time:	0.360	minutes	
				Total Tru	ck Cycle Time:	4.921	minutes	
Loading Too Prod	ol unit uction	641.73	LCY/Hour		A diusted for i	ob efficiency:	532.64	LCY/Hour
Truck Unit Prod	_	041.75			Adjusted for j	ob efficiency.	332.04	
	-	384.03	LCY/Hour		Adjusted for j	ob efficiency:	318.75	_ LCY/Hour
Optimal No. of T	rucks:	2	Truck(s)		Selected Num	ber of Trucks:	2	Truck(s)
			Adjuste	d hourly truc	k team production	on: 637	.50 LCY/H	Iour
					er team production			
			Adjusted multip	le truck/loade	er team production	on: 532	.64 LCY/H	Iour
JOB TI	ME AN	D COST						
Fleet	size:	1	Team(s)		Fotal job time:	21.20	0 Hou	rs
Unit	cost:	\$1.411	/LCY		Total job cost:	\$15,93	35	

BULLDOZER WORK

Fask description:	Spituat	Spread topsoil over banks and upland area				
Ready Mix Pit		Permit Action: _2024-12-18			M1977023	
PROJECT IDEN	TIFICATION					
Task #: 06A		State: Colorado		Abbreviation:	None	
	/2024 C	county: Gunnison		Filename:	06a	
User: DMC		ounty. <u>Ounnson</u>		- I menanne.	004	
Agency or	organization nam	e: DRMS				
HOURLY EQUI	PMENT COST					
Basic Machine:	Cat D8T - 8SU					
Horsepower:	310					
Blade Type:	Semi-Universal					
Attachment:	NA					
Shift Basis:	1 per day		_			
Data Source:	(CRG)					
Cost Breakdown:		1				
	_	• · · · ·	Utilization %			
Ownership Cost/H		\$173.32	NA			
Operating Cost/H		\$109.71	100			
Ripper own. Cost/H		\$0.00	NA			
Ripper op. Cost/H		\$0.00	0			
Operator Cost/H	lour:	\$38.59	NA			
Fotal unit Cost/Hou Fotal Fleet Cost/Ho MATERIAL QU	sur: \$321.62					
Fotal Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor:	s321.62 ANTITIES 11,293 1.000					
Fotal Fleet Cost/Ho MATERIAL QU Initial Volume: _	ur: \$321.62 ANTITIES 11,293					
Fotal Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated	sur: \$321.62 ANTITIES 11,293 1.000 11,293 LCY volume:	Division of Reclamati	on, Mining & Safety			
Fotal Fleet Cost/Ho MATERIAL QU Initial Volume: _ Swell factor: _ Loose volume: _	sur: \$321.62 ANTITIES 11,293 1.000 11,293 LCY volume:	Division of Reclamati	on, Mining & Safety			
Fotal Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated	ur: \$321.62 ANTITIES 11,293 1.000 11,293 LCY volume: E swell factor: C		on, Mining & Safety			
Fotal Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD	wr: \$321.62 ANTITIES 11,293 1.000 11,293 LCY volume: <u>E</u> swell factor: <u>C</u> DUCTION	at Handbook	on, Mining & Safety			
Fotal Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROE Average push distar	wr: \$321.62 ANTITIES 11,293 1.000 11,293 LCY volume: E swell factor: C DUCTION nce: 100	feet	on, Mining & Safety			
Fotal Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD	wr: \$321.62 ANTITIES 11,293 1.000 11,293 LCY volume: E swell factor: C DUCTION nce: 100	at Handbook	on, Mining & Safety			
Fotal Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROE Average push distar	wr: \$321.62 ANTITIES 11,293 1.000 11,293 LCY 1 volume: E 1 swell factor: C DUCTION nce: 100 nce: 100 production: 852	feet	 on, Mining & Safety 			
Fotal Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PRODE Average push distar Unadjusted hourly p Materials consistence	ur: \$321.62 ANTITIES 11,293 1.000 11,293 LCY volume: E swell factor: C DUCTION nce: 100 production: 852 cy description:	feet .6 LCY/hr	on, Mining & Safety			
Fotal Fleet Cost/Ho MATERIAL QU 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	ur: \$321.62 ANTITIES 11,293 1.000 11,293 LCY volume: E swell factor: C DUCTION nce: 100 production: 852 cy description: ent: 0 %	feet .6 LCY/hr Loose stockpile 1.2	 on, Mining & Safety 			
Fotal Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PRODE Average push distar Unadjusted hourly p Materials consistence	ur: \$321.62 ANTITIES 11,293 1.000 11,293 LCY volume: E swell factor: C DUCTION nce: 100 production: 852 cy description: ent: 0 %	feet .6 LCY/hr Loose stockpile 1.2	 on, Mining & Safety 			
Fotal Fleet Cost/Ho MATERIAL QU 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	ur: \$321.62 ANTITIES 11,293 1.000 11,293 LCY volume: E swell factor: C DUCTION nce: 100 production: 852 cy description: ent: 0 %	feet .6 LCY/hr Loose stockpile 1.2	 on, Mining & Safety 			
Fotal Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated Source of estimated Average push distar Unadjusted hourly p Materials consistence Average push gradid	sur: s321.62 ANTITIES 11,293 1.000 11,293 LCY 1 volume: \Box 1 swell factor: \Box 0 words \Box 1,600 lbs/1 \Box	feet .6 LCY/hr Loose stockpile 1.2	 on, Mining & Safety 			
Fotal Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Cource of estimated Source of estimated HOURLY PRODE Average push distar Unadjusted hourly p Materials consistence Average site altitude Material weight:	ur: \$321.62 ANTITIES 11,293 1.000 11,293 LCY volume: [] volume: [] swell factor: [] swell factor: [] DUCTION nce: 100 production: 852 cy description:	feet .6 LCY/hr Loose stockpile 1.2	on, Mining & Safety			
Fotal Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated Source of estimated Average push distar Unadjusted hourly p Materials consistence Average push gradid Average site altitude Material weight: Weight description: Iob Condition Correct	ur: \$321.62 ANTITIES 11,293 1.000 11,293 LCY volume: [] volume: [] swell factor: [] swell factor: [] DUCTION nce: 100 production: 852 cy description:	feet .6 LCY/hr Loose stockpile 1.2				
Fotal Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated Source of estimated Average push distar Unadjusted hourly p Materials consistence Average push gradid Average site altitude Material weight: Weight description: Iob Condition Correct	wr: \$321.62 ANTITIES 11,293 1.000 11,293 LCY volume: E swell factor: C DUCTION nce: 100 production: 852 cy description:	feet .6 LCY/hr Loose stockpile 1.2				
Fotal Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distar Unadjusted hourly p Materials consistence Average push gradie Average site altitude Material weight: Weight description: <u>Iob Condition Correc</u> Oper Material co	wr: \$321.62 ANTITIES 11,293 1.000 11,293 LCY volume: E swell factor: C DUCTION nce: 100 production: 852 cy description:	feet .6 LCY/hr Loose stockpile 1.2 LCY 0.750				

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)
Net correction:	0.8593	
Adjusted unit production: 73	2.64 LCY/hr	
Adjusted fleet production: 73	32.64 LCY/hr	

JOB TIME AND COST

Fleet size:	1 Dozer(s)
Unit cost:	\$0.439/LCY

Total job time:	15.41 Hours
Total job cost:	\$4,957

REVEGETATION WORK

Task descrip	otion:	Revegetate pond banks an	nd upland areas		
Site: Ready M	ix Pit	Permit Actio	n: 2024-12-18	Permit/Job	o#: <u>M1977023</u>
<u>PROJECT</u> Task #:	IDENTIFIC 07A	ATION State: Colorad	0	Abbreviation:	None
Date: User:	12/18/2024 DMC	County: Gunnisc		Filename:	07a
Age	ency or organiz	zation name: DRMS			

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
10-34-0, 18-46-0, 5-10-5	200.00	pound	\$0.51	\$102.32
			Total Fertilizer Materials	
			Cost/Acre	\$102.32

Application

Description		Cost /Acre
Tractor towed spreader (MEANS 32 01 90.13 0120)		\$43.12
	Total Fertilizer Application Cost/Acre	\$43.12

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Weed control spraying (MEANS 31 31 16.13 3100)	\$338.80
Total Tilling Cost/Acre	\$456.41

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Sandberg Bluegrass - VNS	1.00	21.24	\$14.45
Sheep Fescue - Covar	1.00	15.61	\$6.16
Streambank Wheatgrass - Sodar	2.00	6.52	\$16.61
Thickspike Wheatgrass - Critana	2.00	7.07	\$16.30
Western Wheatgrass - Rosanna	6.00	15.15	\$52.65
Totals Seed Mix	12.00	65.59	\$106.16

Application

Description		Cost /Acre
Drill Seeding (DRMS Survey Cost)		\$236.64
	Total Seed Application Cost/Acre	\$236.64

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$492.78	\$985.56
Total Mulch Materials Cost/Acre				\$985.56

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$85.37
Power mulcher (MEANS 32 91 13.16 0350)		\$157.25
	Total Mulch Application Cost/Acre	\$242.63

NURSERY STOCK PLANTING

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

JOB TIME AND COST

	No. of Acres:	15	Cost /Acre:	\$2,172.84
Estimate	ed Failure Rate:	25%	Cost /Acre*:	\$2,172.84
*Selected Replanting	ng Work Items:	FERTILIZING,TII	LING,SEEDING,MU	
		LCHING		
Initial Job Cost:	\$32,592.60			
Reseeding Job Cost:	\$8,148.15			
Total Job Cost:	\$40,741			
Job Hours:	15.00			

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description:	Mo	bilize reclamatio	n crew and equ	ipment			
Ready Mix Pit		Permit	Action: 2024	-12-18	1	Permit/Job#: <u>M</u>	1977023
PROJECT IDEN	TIFICATI	<u>ON</u>					
Task #: 08A		State: Co	olorado		Abbre	eviation: None	
Date: 12/18 User: DMC	3/2024	County: Gu	unnison		Fi	ilename: 08a	
Agency or	organization	n name: DRMS					
EQUIPMENT TF	RANSPOR	<u>T RIG COST</u>					
					Shift ba	sis: 1 per da	.y
					Cost Data Sour		
Truck 1	Fractor Desc	ription: GENE	RIC ON-HIGH	WAYTR	UCK TRACTO	OR, 6X4, DIESEI	POWERED
Truck			ide of mon		2 (2ND HALF,		LI O WERED,
Truck	Trailer Desc	ription: G	ENERIC FOLE		· · ·	ROP DECK EQU	IPMENT
		1			(25T, 50T, AN		
D (D 1.1					•		
Cost Breakdown:							
Available Rig Cap		0-25 Tons	26-50 Tons		+ Tons		
Ownership (\$10.44	\$22.18		23.94		
Operating C		\$26.48	\$54.55		55.65		
Operator C		\$22.52	\$22.52		22.52		
	Cost/Hour:	\$0.00	\$23.53		23.53		
Total Unit C	Cost/Hour:	\$59.44	\$122.78	\$1	125.64		
NON ROADABL	E EQUIPN	<u>MENT:</u>					
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
2 -beription	(TONS)		t		fleet		
Cat D8T - 8SU	53.08	\$187.85	\$125.64	2	\$626.98	\$251.28	\$500.00
CAT 966H high	25.80	\$57.78	\$59.44	1	\$117.22	\$59.44	\$250.00
lift							
Cat 770D	37.54	\$116.19	\$122.78	2	\$477.94	\$245.56	\$500.00
Drill/Broadcast Seeder with	25.00	\$41.02	\$59.44	1	\$100.46	\$59.44	\$250.00
Tractor Centrifugal pump - 8M, 2 in.	0.22	\$4.64	\$59.44	1	\$64.08	\$59.44	\$250.00

 Subtotals:
 \$1,386.68
 \$675.16
 \$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	\$24.60	1	\$24.60	\$24.60
		Subtotals:	\$24.60	\$24.60

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	GUNNISON	
Total one-way travel distance:	3.00	miles
Average Travel Speed:	35.00	mph
Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig:	\$6,626.82	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$4.22	

Transportation Cycle Time:

	Non- Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.09	0.09
Return Time (Hours):	0.09	0.09
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.17	0.17

JOB TIME AND COST

Total job time: **2.34** Hours

Total job cost: **\$6,631**