

January 31, 2024

Russell A. Larsen Elam Construction, Inc. 556 Struthers Ave Grand Junction, CO 81501-3826

Re: AGRI-DLD Gravel Pit - File No. M-2000-030 Elam Construction, Inc. Surety Increase (SI-2)

Dear Russell A. Larsen:

On January 31, 2024 the Division of Reclamation, Mining and Safety increased the Financial Warranty requirement for this permit to \$230,203.00, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of \$88,140.81.

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 (January 31, 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 31, 2024, if the increased Financial Warranty has not been provided.

Bond Held:	\$142,062.19
Prior Liability:	\$142,062.19
Change in Liability:	\$88,140.81
Revised Liability:	\$230,203.00
Prior Permit Acreage:	156.27
Change in Permit Acreage:	0.00

Physical Address: 1313 Sherman Street, Room 215, Denver, CO 80203 P 303.866.3567 F 303.832.8106 Mailing Address: DRMS Room 215, 1001 E 62nd Ave, Denver, CO 80216 https://drms.colorado.gov/ Jared S. Polis, Governor | Dan Gibbs, Executive Director | Michael A. Cunningham, Acting Director



Revised Permit Acreage:	156.27
Prior Affected Acreage:	156.27
Change in Affected Acreage:	0.00
Revised Affected Acreage:	156.27

If you have any questions, please contact me by telephone at (303) 866-3567 x 8188, or by email at Dustin.czapla@state.co.us.

Sincerely,

R

Dustin M. Czapla Environmental Protection Specialist

cc: Jim R. Doody

M-GR-04

COST SUMMARY WORK

Task description:		2024-01	-23 Upda	ate					
Site:	AGRI-DI	LD Gravel Pit		Per	mit Action:	2024-01-23 Update	Permit/Job	o#: <u>M2000030</u>	
<u>PF</u>	Task #: Date:	10ENTIFIC. 000 1/23/2024 DMC		State: County:	Colorado La Plata		Abbreviation: Filename:	None M2000030000	

Agency or organization name: ______DRMS____

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Reduce Highwalls to 2:1	DOZER	1	43.80	\$20,572
02a	Push Overburden Downslope, Create 3:1	DOZER	1	35.36	\$16,287
03a	Grade Pit Floor	DOZER	1	43.03	\$19,824
04a	Rip Compaction on Pit Floor	RIPPER	1	54.68	\$25,684
05a	Spread Topsoil on Slopes	DOZER	1	2.75	\$1,266
06a	Load and Carry Topsoil from Stockpile to Pit Floor	TRUCK1	1	58.88	\$14,870
07a	Spread Topsoil on Pit Floor	DOZER	1	34.38	\$15,838
08a	Revegetate	REVEGE	1	40.00	\$66,252
09a	Mobilize/Demobilize	MOBILIZE	1	5.20	\$3,730
		<u>SUBTC</u>	DTALS:	318.08	\$184,323

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$3,723
Performance bond:	1.05	Total =	\$1,935
Job superintendent:	159.04	Total =	\$10,350
Profit:	10.00	Total =	\$18,432
		TOTAL O & P =	\$34,441
		CONTRACT AMOUNT (direct + O & P) =	\$218,764

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 \$10,938
CONTINGENCY:	0.00	Total =	\$0
	TOTAL I	NDIRECT COST =	\$45,880
TOTAL BO	OND AMOUNT (d	lirect + indirect) =	\$230,203

Task description:	Reduce Highwa	lls to 2:1			
AGRI-DLD Gravel I	Pit Per	mit Action:	2024-01-23 Update	Permit/Job#:	M2000030
PROJECT IDENTIE	TICATION				
Task #: 01A	State:	Colorado		Abbreviation:	None
Date: $1/23/2024$		La Plata		Filename:	M030-01a
User: DMC	County.	La Tiata			11050 014
Agency or orga	nization name: <u>D</u>	RMS			
HOURLY EQUIPM	ENT COST				
	ıt D9T - 9SU				
Horsepower: 40					
• I	mi-Universal				
	shank ripper				
	ber day				
Data Source: (C	RG)				
Cost Breakdown:					
			Utilization %		
Ownership Cost/Hour:		\$238.76	NA		
Operating Cost/Hour:		\$162.29	100		
Ripper own. Cost/Hour:		\$18.32	NA		
Ripper op. Cost/Hour:		\$8.98	100		
Ripper op. Cost nour.		\$41.30	NA		
Operator Cost/Hour: Total unit Cost/Hour:	\$469.65 \$469.65	\$41.50			
Operator Cost/Hour:	\$469.65	\$41.30	NA		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUAN</u> Initial Volume: <u>28,</u> Swell factor: <u>1.4</u>	\$469.65 FITIES 800 30		NA		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUAN</u> Initial Volume: 28,8 Swell factor: 1.4 Loose volume: 41,5	\$469.65 FITIES 800 30 184 LCY				
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUAN</u> Initial Volume: 28,3 Swell factor: 1.43 Loose volume: 41,1 Source of estimated volu	\$469.65 <u>FITIES</u> 800 30 184 LCY une: Division	of Reclamati	on, Mining & Safety		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUAN</u> Initial Volume: 28,8 Swell factor: 1.4 Loose volume: 41,5	\$469.65 <u>FITIES</u> 800 30 184 LCY une: Division	of Reclamati			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUAN</u> Initial Volume: 28,9 Swell factor: 1.4 Loose volume: 41,1 Source of estimated volu Source of estimated swe	\$469.65 FITIES 800 30 184 LCY Ime: Division Il factor: Cat Hand	of Reclamati			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 28,9 Swell factor: 1.42 Loose volume: 41,1 Source of estimated volu Source of estimated swe HOURLY PRODUC	\$469.65 <u>FITIES</u> 300 184 LCY 184 LC	of Reclamati			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUAN</u> Initial Volume: 28,9 Swell factor: 1.42 Loose volume: 41,1 Source of estimated volu Source of estimated volu Source of estimated swe <u>HOURLY PRODUC</u> Average push distance:	\$469.65 <u>FITIES</u> 800 30 184 LCY time: Division 11 factor: Cat Hand <u>TION</u> 50 feet	of Reclamati dbook			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 28,9 Swell factor: 1.42 Loose volume: 41,1 Source of estimated volu Source of estimated swe HOURLY PRODUC	\$469.65 FITIES 800 30 184 LCY Ime: Division Il factor: Cat Hand TION 50 feet	of Reclamati dbook			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUAN</u> Initial Volume: 28,9 Swell factor: 1.42 Loose volume: 41,1 Source of estimated volu Source of estimated volu Source of estimated swe <u>HOURLY PRODUC</u> Average push distance:	\$469.65 FITIES 300 30 30 184 LCY Division 11 factor: Cat Hand TION 50 feet action: 2,110.5 LC	of Reclamati dbook			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUAN</u> Initial Volume: 28,8 Swell factor: 1.42 Loose volume: 41,7 Source of estimated volu Source of estimated swe <u>HOURLY PRODUC</u> Average push distance: Unadjusted hourly produ	\$469.65 FITIES 300 30 30 184 LCY Division 11 factor: Cat Hand TION 50 feet action: 2,110.5 LC	of Reclamati dbook	on, Mining & Safety		
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Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 28,3 Swell factor: 1.42 Loose volume: 41,1 Source of estimated volu Source of estimated volu Source of estimated swe HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction	\$469.65 FITIES 300 30 184 LCY ume: Division 11 factor: Cat Hand TION action: 50 feet action: 2,110.5 LC escription: Compare 20 %	of Reclamati dbook	on, Mining & Safety mbankment 0.9		

Job efficiency	y: 0.830	(1 SHIFT/DAY)
Spoil pil	e: 0.800	(SSD-AC)
Push gradier	it: 1.426	(CAT HB)
Altitud	e: 1.000	(CAT HB)
Material Weigh	it: 0.697	(CAT HB)
Blade typ	e: 1.000	(PAT)
Net correction	n:0.4455	
Adjusted unit production:	940.23 LCY/hr	
Adjusted fleet production:	940.23 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$0.500/LCY

Total job time:	43.80 Hours
Total job cost:	\$20,572

Task description:	Push Overburd	ien Downstop	e, Create 5:1		
AGRI-DLD Gravel	Pit Pe	ermit Action:	2024-01-23 Update	Permit/Job#:	M2000030
PROJECT IDENTI	FICATION				
Task #: 02A	State:	Colorado		Abbreviation:	None
Date: $1/23/2024$				Filename:	M030-02a
User: DMC				-	
Agency or org	ganization name:	RMS			
HOURLY EQUIPM	IENT COST				
	Cat D9T - 9SU				
	05				
×1	emi-Universal				
	-shank ripper				
	per day				
Data Source:(CRG)				
Cost Breakdown:					
			Utilization %		
Ownership Cost/Hour		\$238.76	NA		
Operating Cost/Hour		\$162.29	100		
Ripper own. Cost/Hour		\$18.32	NA		
Ripper op. Cost/Hour		\$0.00	0		
Operator Cost/Hour		\$41.30	NA		
Fotal unit Cost/Hour: Fotal Fleet Cost/Hour:	\$460.67 \$460.67	\$11.50	NA		
Fotal unit Cost/Hour: Fotal Fleet Cost/Hour: MATERIAL QUAN	\$460.67 \$460.67 NTITIES				
Fotal unit Cost/Hour: Fotal Fleet Cost/Hour: MATERIAL QUAN Initial Volume: <u>30</u> Swell factor: <u>1.2</u>	\$460.67 \$460.67				
Fotal unit Cost/Hour: Fotal Fleet Cost/Hour: MATERIAL QUAN Initial Volume: <u>30</u> Swell factor: <u>1.2</u>	\$460.67 \$460.67 NTITIES 9,400 215 5,936 LCY lume: Division	 n of Reclamati	on, Mining & Safety		
Fotal unit Cost/Hour: Fotal Fleet Cost/Hour: MATERIAL QUAN Initial Volume: <u>30</u> Swell factor: <u>1.2</u> Loose volume: <u>36</u> Source of estimated vol	\$460.67 \$460.67 NTITIES 9,400 215 5, 936 LCY lume: Division rell factor: Cat Han	 n of Reclamati			
Fotal unit Cost/Hour: Fotal Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 30 Swell factor: 1.2 Loose volume: 36 Source of estimated vol 30 Source of estimated sw 30	\$460.67 \$460.67 XTITIES 9,400 215 5,936 LCY lume: Division cell factor: Cat Han <u>CTION</u> 50 feet	n of Reclamati			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 30 Swell factor: 1.2 Loose volume: 36 Source of estimated vol Source of estimated sw HOURLY PRODUC Average push distance:	\$460.67 \$460.67 NTITIES 9,400 215 5,936 LCY lume: Division cell factor: Cat Han CTION 50 feet luction: 2,110.5 L0	n of Reclamati	on, Mining & Safety		
Fotal unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 30 Swell factor: 1.2 Loose volume: 36 Source of estimated vol 30 Source of estimated sw 30 HOURLY PRODUC Average push distance: Jnadjusted hourly product 30	\$460.67 \$2,400 \$215 \$3,936 LCY \$1000 \$1000 \$1000 \$215 \$236 LCY \$1000 \$2400 \$2400 \$250 feet \$4000 \$2100.5 L0 \$4000 \$4000 \$4000 \$4000 \$50 feet \$4000 \$4000 \$4000 \$4000 \$4000 \$4000 \$4000 \$4000	n of Reclamati idbook	on, Mining & Safety		
Fotal unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 30 Swell factor: 1.2 Loose volume: 36 Source of estimated vol 30 Source of estimated sw 40 HOURLY PRODUC Average push distance: Jnadjusted hourly proc 4 Average push gradient: 4	\$460.67 \$460.67 \$460.67 NTITIES 9,400 215 9,36 LCY lume: Division ell factor: Cat Han CTION 50 feet luction: 2,110.5 L0 lescription: Conso -20 %	n of Reclamati idbook	on, Mining & Safety		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 30 Swell factor: 1.2 Loose volume: 36 Source of estimated vol 30 Source of estimated sw 36 HOURLY PRODUC Average push distance: Jnadjusted hourly proc Materials consistency d Average push gradient: Average site altitude:	$ \begin{array}{r} & \$460.67 \\ \hline $50 \text{ feet} \\ \hline \$460.67 \\ \hline $50 \text{ feet} \\ \hline $1000 fee$	n of Reclamati idbook	on, Mining & Safety		
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Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.426	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.697	(CAT HB)
Blade type:	1.000	(PAT)
Net correction:	0.4950	
Adjusted unit production: 1,0	044.70 LCY/hr	

Adjusted fleet production: 1044.7 LCY/hr

Fleet size:	1 Dozer(s)
Unit cost:	\$0.441/LCY

Total job time:	35.36 Hours
Total job cost:	\$16,287

Task description:					
AGRI-DLD Gravel Pi	t Per	mit Action:	2024-01-23 Update	Permit/Job#:	M2000030
PROJECT IDENTIFI	CATION				
Task #: 03A	State:	Colorado		Abbreviation:	None
Date: $1/23/2024$	County:	La Plata		Filename:	M030-03a
User: DMC	County.	La Tiata		i nename.	W1050-05a
Agency or organ	ization name: DR	RMS			
HOURLY EQUIPME	NT COST				
Basic Machine: Cat	D9T - 9SU				
Horsepower: 405					
<i>•</i> • • • • • • • • • • • • • • • • • •	i-Universal				
	ank ripper				
· · · · · · · · · · · · · · · · · · ·	r day				
Data Source: (CR	G)				
Cost Breakdown:					
			Utilization %		
Ownership Cost/Hour:		\$238.76	NA		
Operating Cost/Hour:		\$162.29	100		
Ripper own. Cost/Hour:		\$18.32	NA		
Ripper op. Cost/Hour:		\$0.00	0		
Operator Cost/Hour:		\$41.30	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour:	\$460.67 \$460.67 ITIES				
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 17,60 Swell factor: 1.000	\$460.67 ITIES 00				
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 17,60 Swell factor: 1.000	\$460.67 <u>ITIES</u> 00				
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Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 17,60 Swell factor: 1.000 Loose volume: 17,60 Source of estimated volum Source of estimated volum Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly produc Materials consistency desc Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operator S	\$460.67 ITIES 00 00 00 00 00 00 00 00 00 00 100 150 150 150 150 150 150 150 150 150 150 150 150 10 10 10 10 11 10 11 11		ion, Mining & Safety pile 1.0 <u>Source</u> (AVG.)		

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.902	(CAT HB)
Blade type:	1.000	(PAT)
Net correction:	0.4492	
Adjusted unit production: 40	9.00 LCY/hr	

Adjusted fleet production: 409 LCY/hr

Fleet size:	1 Dozer(s)
Unit cost:	\$1.126/LCY

Total job time:	43.03 Hours
Total job cost:	\$19,824

BULLDOZER RIPPING WORK

Site:				2024 01 22 11	1.	·/T 1 //	1/2000020
	: AGRI-DLD G		Permit Action:	2024-01-23 Up	date P	ermit/Job#:	M2000030
	Task #: 04/	.3/2024 C	State: <u>Colorado</u> County: <u>La Plata</u>			reviation: Filename:	None M030-04a
		or organization nam	e: DRMS				
		•					
		UIPMENT COST	-				4 . .
	Basic Ripper Att	Machine: Cat D97 achment: 3-Shank			Horsepower: Shift Basis:		405 er day
	Kippei Au		Kippei		Data Source:		CRG)
	Cost Breakdown:	:				`	
					Utilization %		
		Ownership Cost/H		\$238.76	NA	-	
	Rinn	Operating Cost/H er Ownership Cost/H		\$162.29 \$18.32	100 NA	-	
		per Operating Cost/H		¢0 00	100	-	
		Operator Cost/H		\$41.30	NA	_	
		Total Unit Cost/H	lour:	\$469.65			
		Total Fleet Cost/H	lour: \$46	9.65			
	MATERIAL Q	UANTITIES	Sel	ected estimating	method: Area	a	
	Alternate Method						
mic:	NA		Bank Volume:	NA	BCY		NA
mic: Area:	40.00	acres	Rip Depth (ft):	1.50		96,800	BCY
		Source of estimated	d quantity: Reclar	nation Plan			
			d quantity: <u>Reclar</u>	nation Plan			
	HOURLY PRO		d quantity: <u>Reclan</u>	nation Plan			
	HOURLY PRO	<u>ODUCTION</u>					
		<u>ODUCTION</u>	d quantity: <u>Reclan</u> nic Velocity:	nation Plan NA	feet/sec	cond	
		DDUCTION Seisn	nic Velocity:	NA			
	Seismic:	DDUCTION Seisn Average Rij	nic Velocity:	NA 2.63	feet/pas	ss	
	Seismic:	DDUCTION Seisr Average Rij Average Rij	nic Velocity:	NA		3S 3S	
	Seismic:	DDUCTION Seisr Average Rij Average Rij Average Rip Average Ij Average I	nic Velocity: pping Depth: pping Width: ping Length: Dozer Speed:	NA 2.63 7.67 400.00 88.00	feet/pas feet/pas feet/pas feet/min	ss ss nute	
	Seismic:	DDUCTION Seisn Average Rij Average Rij Average Rip Average I Average Mar	nic Velocity: pping Depth: pping Width: ping Length: Dozer Speed: neuver Time:	NA 2.63 7.67 400.00 88.00 0.25	feet/pas feet/pas feet/pas feet/min feet/min minutes	ss ss nute s/pass	
	<u>Seismic:</u> <u>Area:</u>	DDUCTION Seisn Average Rij Average Rij Average Rip Average I Average Mar Production j	nic Velocity: pping Depth: pping Width: ping Length: Dozer Speed:	NA 2.63 7.67 400.00 88.00	feet/pas feet/pas feet/pas feet/min	ss ss nute s/pass	
	Seismic:	DDUCTION Seisn Average Rij Average Rij Average Rip Average I Average Mar Production j	nic Velocity: pping Depth: pping Width: ping Length: Dozer Speed: neuver Time:	NA 2.63 7.67 400.00 88.00 0.25	feet/pas feet/pas feet/pas feet/min feet/min minutes	ss ss nute s/pass	
	Seismic: Area: Job Condition Co	DDUCTION Seisn Average Rij Average Rij Average Rip Average I Average Mar Production j	nic Velocity: pping Depth: ping Width: ping Length: Dozer Speed: neuver Time: per unit area:	NA 2.63 7.67 400.00 88.00 0.25	feet/pas feet/pas feet/pas feet/min feet/min minutes	ss ss nute s/pass our	
	Seismic: Area: Job Condition Co	DDUCTION Seisr Average Rip Average Rip Average Rip Average Mar Production p <u>orrection Factors</u> adjusted Hourly Unit	nic Velocity: pping Depth: ping Width: ping Length: Dozer Speed: neuver Time: per unit area:	NA 2.63 7.67 400.00 88.00 0.25 0.881	feet/pas feet/pas feet/pas feet/min feet/min acres/he	ss ss nute s/pass our	
	Seismic: Area: Job Condition Co	DDUCTION Seisn Average Rij Average Rij Average Rip Average Mar Production p <u>prrection Factors</u> adjusted Hourly Univ	nic Velocity: pping Depth: ping Width: ping Length: Dozer Speed: neuver Time: per unit area: t Production: Site Altitude: Altitude Adj:	NA 2.63 7.67 400.00 88.00 0.25 0.881 0.881 6,600 1.00	feet/pas feet/pas feet/pas feet/min minutes acres/he Acres/h feet (CAT H	ss ss nute s/pass our nr	
	Seismic: Area: Job Condition Co	DDUCTION Seisn Average Rij Average Rij Average Rip Average I Average Mar Production p orrection Factors adjusted Hourly Unit	nic Velocity: pping Depth: pping Width: ping Length: Dozer Speed: neuver Time: per unit area: per unit area: t Production: Site Altitude: Altitude Adj: b Efficiency:	NA 2.63 7.67 400.00 88.00 0.25 0.881 0.881 6,600 1.00 0.83	feet/pas feet/pas feet/pas feet/min minutes acres/he Acres/h feet (CAT H (1 shift	ss ss nute s/pass our nr HB) /day)	
	Seismic: Area: Job Condition Co	DDUCTION Seisn Average Rij Average Rij Average Rip Average I Average Mar Production p orrection Factors adjusted Hourly Unit	nic Velocity: pping Depth: ping Width: ping Length: Dozer Speed: neuver Time: per unit area: t Production: Site Altitude: Altitude Adj:	NA 2.63 7.67 400.00 88.00 0.25 0.881 0.881 6,600 1.00 0.83 0.83	feet/pas feet/pas feet/pas feet/min minutes acres/he Acres/h feet (CAT H	ss ss nute s/pass our nr HB) /day)	
	Seismic: Area: Job Condition Co	DDUCTION Seisn Average Rip Average Rip Average Rip Average Mar Production p orrection Factors adjusted Hourly Univ S Jo Ne Adjusted Hou	nic Velocity: pping Depth: pping Width: ping Length: Dozer Speed: neuver Time: per unit area: per unit area: t Production: fite Altitude: Altitude Adj: b Efficiency: t Correction: rly Unit Production:	NA 2.63 7.67 400.00 88.00 0.25 0.881 0.881 6,600 1.00 0.83 0.83 0.73	feet/pas feet/pas feet/pas feet/pas feet/min minutes acres/he Acres/he feet (CAT H (1 shift multipl Acres/hr	ss ss nute s/pass our nr HB) /day)	
	Seismic: Area: Job Condition Co	DDUCTION Seisn Average Rip Average Rip Average Rip Average Mar Production p orrection Factors adjusted Hourly Univ S Jo Ne Adjusted Hou	nic Velocity: pping Depth: ping Width: ping Length: Dozer Speed: neuver Time: per unit area: t Production: Site Altitude: Altitude Adj: b Efficiency: t Correction:	NA 2.63 7.67 400.00 88.00 0.25 0.881 0.881 6,600 1.00 0.83 0.83	feet/pas feet/pas feet/pas feet/min minutes acres/he Acres/h feet (CAT H (1 shift multipl	ss ss nute s/pass our nr HB) /day)	
	Seismic: Area: Job Condition Co	DDUCTION Seisn Average Rip Average Rip Average Rip Average Mar Production p orrection Factors adjusted Hourly Univ S Jo Ne Adjusted Hour	nic Velocity: pping Depth: pping Width: ping Length: Dozer Speed: neuver Time: per unit area: per unit area: t Production: fite Altitude: Altitude Adj: b Efficiency: t Correction: rly Unit Production:	NA 2.63 7.67 400.00 88.00 0.25 0.881 0.881 6,600 1.00 0.83 0.83 0.73	feet/pas feet/pas feet/pas feet/pas feet/min minutes acres/he Acres/he feet (CAT H (1 shift multipl Acres/hr	ss ss nute s/pass our nr HB) /day)	
	<u>Seismic:</u> <u>Area:</u> <u>Job Condition Cc</u> Un	DDUCTION Seisr Average Rip Average Rip Average Rip Average Mar Production p orrection Factors adjusted Hourly Unit Solution Adjusted Hourly Unit Ne Adjusted Hour	nic Velocity: pping Depth: pping Width: ping Length: Dozer Speed: neuver Time: per unit area: per unit area: t Production: fite Altitude: Altitude Adj: b Efficiency: t Correction: rly Unit Production:	NA 2.63 7.67 400.00 88.00 0.25 0.881 0.881 6,600 1.00 0.83 0.83 0.73	feet/pas feet/pas feet/pas feet/min minutes acres/h Acres/h feet (CAT H (CAT H (1 shift multipl Acres/hr Acres/hr	ss ss nute s/pass our nr HB) /day)	Hours

		on Slopes			
AGRI-DLD Gravel Pi	t Per	mit Action:	2024-01-23 Update	Permit/Job#:	M2000030
PROJECT IDENTIFI	CATION				
Task #: 05A	State:	Colorado		Abbreviation:	None
Date: $1/23/2024$	County:	La Plata		Filename:	M030-05a
User: DMC			_	<u>-</u>	
Agency or organ	ization name: D	RMS			
HOURLY EQUIPME	NT COST				
Basic Machine: Cat	D9T - 9SU				
Horsepower: 405					
<i>•</i> • • • • • • • • • • • • • • • • • •	i-Universal				
	ank ripper				
	r day				
Data Source: (CR	G)				
Cost Breakdown:					
			Utilization %		
Ownership Cost/Hour:		\$238.76	NA		
Operating Cost/Hour:		\$162.29	100		
Ripper own. Cost/Hour:		\$18.32	NA		
Ripper op. Cost/Hour:		\$0.00	0		
Operator Cost/Hour:		\$41.30	NA		
MATERIAL QUANT					
I_{11}					
Initial Volume: 1,440)				
Swell factor: 1.250					
Swell factor:1.250Loose volume:1,800	LCY				
Swell factor: 1.250 Loose volume: 1,800 Source of estimated volum	LCY ne: Division		on, Mining & Safety		
Swell factor:1.250Loose volume:1,800	LCY ne: Division		on, Mining & Safety		
Swell factor: 1.250 Loose volume: 1,800 Source of estimated volun Source of estimated swell	DLCY ne: <u>Division</u> factor: <u>Cat Hanc</u>		on, Mining & Safety		
Swell factor: 1.250 Loose volume: 1,800 Source of estimated volun Source of estimated swell HOURLY PRODUCT	DLCY ne: <u>Division</u> factor: <u>Cat Hanc</u>		on, Mining & Safety		
Swell factor: 1.250 Loose volume: 1,800 Source of estimated volun Source of estimated swell HOURLY PRODUCT Average push distance:	DLCY ne: Division factor: Cat Hand TION 150 feet	lbook	on, Mining & Safety		
Swell factor: 1.250 Loose volume: 1,800 Source of estimated volun Source of estimated swell HOURLY PRODUCT	DLCY ne: Division factor: Cat Hand TION 150 feet	lbook	on, Mining & Safety		
Swell factor: 1.250 Loose volume: 1,800 Source of estimated volun Source of estimated swell HOURLY PRODUCT Average push distance:	DLCY he: Division factor: Cat Hand ION 150 feet tion: 910.5 LCY	lbook			
Swell factor: 1.250 Loose volume: 1,800 Source of estimated volun Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency description	DLCY he: <u>Division</u> factor: <u>Cat Hanc</u> ION tion: <u>150 feet</u> 910.5 LCY cription: <u>Conso</u>	lbook /hr			
Swell factor: 1.250 Loose volume: 1,800 Source of estimated volun Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency desc Average push gradient:	DLCY ne: Division factor: Cat Hand 'ION 150 feet tion: 910.5 LCY cription: Conso -30 %	lbook /hr			
Swell factor: 1.250 Loose volume: 1,800 Source of estimated volun Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency description	DLCY he: <u>Division</u> factor: <u>Cat Hanc</u> ION tion: <u>150 feet</u> 910.5 LCY cription: <u>Conso</u>	lbook /hr			
Swell factor: 1.250 Loose volume: 1,800 Source of estimated volun Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency desc Average push gradient:	DLCY ne: Division factor: Cat Hand 'ION 150 feet tion: 910.5 LCY cription: Conso -30 %	lbook /hr			
Swell factor: 1.250 Loose volume: 1,800 Source of estimated volun Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency desc Average push gradient: Average site altitude:	DLCY ne: Division factor: Cat Hand ION 150 feet tion: 910.5 LCY cription: Conso -30 % 6,600 feet	lbook /hr lidated stockj			
Swell factor: 1.250 Loose volume: 1,800 Source of estimated volun Source of estimated swell HOURLY PRODUCT Average push distance: Jnadjusted hourly produc Materials consistency desc Average site altitude: Material weight:	LCY ne: Division factor: Cat Hand ION 150 feet tion: 910.5 LCY cription: Conso -30 % 6,600 feet 2,550 lbs/LCY Earth - Dry packe	lbook /hr lidated stockj			
Swell factor: 1.250 Loose volume: 1,800 Source of estimated volun Source of estimated volun Source of estimated swell HOURLY PRODUCT Average push distance: Jnadjusted hourly produc Materials consistency desc Average site altitude: Material weight: Material weight: Weight description: Operator S	DLCY ne: Division factor: Cat Hand ION 150 feet tion: 910.5 LCY cription: Conso -30 % 6,600 feet 2,550 lbs/LCY Earth - Dry packe Factor 0	lbook /hr lidated stockp d .750	<u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u>		
Swell factor: 1.250 Loose volume: 1,800 Source of estimated volun Source of estimated volun Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly produc Materials consistency desc Average push gradient: Average site altitude: Material weight: Weight description: Operator S Material consiste Material consiste	DLCY ne: Division factor: Cat Hand ION 150 feet tion: 910.5 LCY cription: Conso -30 % 6,600 feet 2,550 lbs/LCY Earth - Dry packe Factor 0 Skill: 0 ncy: 1	lbook /hr lidated stockp d .750 .000			
Swell factor: 1.250 Loose volume: 1,800 Source of estimated volun Source of estimated volun Source of estimated swell HOURLY PRODUCT Average push distance: Jnadjusted hourly produc Materials consistency desc Average site altitude: Material weight: Material weight: Weight description: Operator S	DLCY ne: Division factor: Cat Hand ION 150 feet tion: 910.5 LCY cription: Conso -30 % 6,600 feet 2,550 lbs/LCY Earth - Dry packe Factor Skill: 0 ncy: 1 1	lbook /hr lidated stockp d .750	<u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u>		

Job efficienc	y: 0.830	(1 SHIFT/DAY)
Spoil pil	e: 0.800	(SSD-AC)
Push gradier	nt: 1.601	(CAT HB)
Altitud	e: 1.000	(CAT HB)
Material Weigh	nt: 0.902	(CAT HB)
Blade typ	e: 1.000	(PAT)
Net correctio	n: 0.7192	
Adjusted unit production:	654.83 LCY/hr	
Adjusted fleet production:	654.83 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$0.703/LCY

Total job time:	2.75 Hours
Total job cost:	\$1,266

TRUCK/LOADER TEAM WORK

Task description:	Load an	d Carry To	psoil	from Stockpile t	o Pit Floor			
Site: AGRI-DLD Gra	vel Pit	Permit	Actio	on: <u>2024-01-23</u>	Update	Permit/Job#: <u>M</u>	2000030	
PROJECT IDEN	TIFICATION	•						
Task #:06A			Colora		Ab	breviation: Nor		
	Date:1/23/2024County:La PlataFilename:M030-06a							
	User: DMC							
Agency or	organization nar	ne: DRM	S					
HOURLY EQUI	PMENT COST	<u>ר</u>			Shift bas	is: <u>1 per day</u>		
		T 1		Equipment Descri	ption			
Ĩ	Fruck Loader Tea	m - Truck: -Loader:		eric 8-10 су, 6х4 Г 938Н				
Supp	ort Equipment -L		NA	1 95011				
	-Di	ump Area:	NA					
Road M	aintenance – Mot		NA					
	-Wa	ter Truck:	NA					
Cost Breakdown:	Truck/Lo	ader Team		Support	Equipment	Maintenan	ce Equipment	
<u>Cost Breakdown</u>	Truck	Loader		Load Area	Dump Area	Motor Grader	Water Truck	
%Utilization-machine:	100		100	NA	NA	NA	NA	
Ownership cost/hour:	\$16.85		3.90	NA	NA	NA	NA	
Operating cost/hour:	\$49.69		1.86	NA	NA	NA	NA	
%Utilization-riper:	NA	45	0	NA	NA	NA	NA	
Ripper own. cost/hour:	NA	\$0	0.00	NA	NA	NA	NA	
Ripper op. cost/hour:	NA	\$0	0.00	NA	NA	NA	NA	
Operator cost/hour:	\$0.00	\$4().71	NA	NA	NA	NA	
Unit Subtotals:	\$66.54	\$119	9.47	NA	NA	NA	NA	
Number of Units:	2		1	0	0	0	0	
Group Subtotals:	Work:	\$252.55		Support:	\$0.00	Maint:	\$0.00	
Total work team cos	st/hour: <u>\$252.55</u>	<u>; </u>						
MATERIAL QU	ANTITIES							
Initial volume	: 17,600		CCY	Swell	factor: 1.125			
Loose volume	: 19,80	0	LCY					
So	urce of estimated	volume:	Divis	ion of Reclamatio	on, Mining & Safe	ety		
Source	of estimated swe			Iandbook		•		
	Material Purch		\$0.00					
	10	otal Cost:	\$0.00)				
HOURLY PRO	DUCTION							
<u>Truck Capacity:</u> Truck Payload (wei	oht) Basis							
Material v				Pounds/LCY				
Descr	iption: Earth -	Dry packed		-				
Rated Pa				Pounds				
Payload Ca	pacity: 10.70			LCY				

Struck Volume:	8.00 I	LCY				
Heaped Volume:	10.00 I	LCY				
Average Volume:	9.00 I	LCY				
Adjusted Volume:	10.00 I	LCY				
	Truck Volume I	Based on Number of	Loader Passes:	7.61	LCY	
Loading Tool Capacity						
Rated Capacity:	3.900	LCY (heaped)	Buch	ket Size Class: <u>N</u>	A	_
Bucket Fill Factor:	0.975		mixed moist ag	gregates (95-100%)	0.975	-
Adjusted Capacity:	3.803	LCY	mixed moist ag	gregates (95-10076)	10.975	-
Job Condition Corrections:		Sit	e Altitude (ft.): (6600 feet		
Job Condition Corrections.	Truck	Loader	Source			
Altitude Adj:	1.000	1.000	(CAT HE			
Job Efficiency:	0.830	0.830	(CAT HE			
Job Efficiency.	0.050	0.050	(CAT III)		
Net Correction:	0.830	0.830				
Loading Tool Cycle Time:	Number	of Loading Tool Pas	ses Required to	Fill Truck:	2 p	asses
Excavators and Front Shovel	s:	-	-			
		Define NIA				
Machine Cycle Time vs Selected Value v						
Track Loaders –	Material Descrij	ption:				
Cycle Time Elements (min.):						
Load: NA	Ma	aneuver: NA		Dump: 0.100)	
Wheel and Track Loaders -	- Unadjusted Bas	vic Loader Cycle Tim	e (load dump r	maneuver).	.483 minu	ites
Cycle Time Factors	Unaujusteu Das	sie Loader Cycle Thin	ie (ioad, dump, i	·	1	1105
Material:	Mixed materia	1002		Factor (min.) 0.020	Source (Cat HB)	_
Stockpile:		lozer piled 10 ft. high	and up 0.00	0.020	(Cat HB)	_
Truck Ownership:	,	ership of trucks and l		-0.040	(Cat HB)	_
Operation:	Constant opera			-0.040	(Cat HB)	
Dump Target:	Nominal targe			0.000	(Cat HB)	_
	8	Net Cycle Time	e Adjustment:	-0.060	minutes	
		Adjusted Loade		0.423	minutes	
			·	0.523	minutes	
		Net Load Ti	me per Truck:	01020	Innuces	
<u>Truck Cycle Time:</u>		Net Load Ti	me per Truck:			
<u>Truck Cycle Time:</u> Truck Exchange Time:	: 0.50	Net Load Tin Minutes		for site altitude:	0.500	Minute
			Adjusted		_	_
Truck Exchange Time:	0.523	Minutes	Adjusted Adjusted	for site altitude:	0.500	Minute Minute Minute

Haul Route:

	Seg #	Haul D	istance	Grade (%)	Roll. Res	Total Res	Velocity	Travel	
		(Ft)			(%)	(%)	(fpm)	Time (min)	
-	1	300.00		0.00	5.00	5.00	2218	0.205	
_	2	300.00		10.00	5.00	15.00	734	-0.390	
_	3	300.00		0.00	5.00	5.00	2218	0.186	
				4	L	II 177	0.001	• ,	
	Return Re	oute				Haul Time:	0.001	minutes	
Γ	Seg #	Haul D	istance	Grade (%)	Roll. Res	Total Res	Velocity	Travel	
	565 //	(Ft)	istanee	Grade (70)	(%)	(%)	(fpm)	Time	
_		Ì,			× ,		·• /	(min)	
_	1	300.00		0.00	5.00	5.00	2814	0.135	
	2	300.00		-10.00	5.00	-5.00	2938	0.147	
	3	300.00		0.00	5.00	5.00	2814	0.107	
						Return Time:	0.389	minute	28
					Total Tru	ck Cycle Time:		minute	
_						5			
Lo	oading Too		116.06				1	270.40	
Travala	Unit Produ	uction	446.26	LCY/Hour		Adjusted for j	ob efficiency:	370.40	LCY/Hour
Truck	Unit Prod	uction	206.24	LCY/Hour		Adjusted for i	ob efficiency:	171.18	LCY/Hour
			200.24			Adjusted for j	ob efficiency.	1/1.10	
Optima	l No. of T	rucks:	2	Truck(s)		Selected Num	per of Trucks:	2	Truck(s)
				Adjuste	ed hourly true	k team production	on: 342.	.35 LCY	//Hour
				Adjusted sing	le truck/loade	er team production			//Hour
				Adjusted multip				.35 LCY	//Hour
	JOB TI	ME ANI	D COST						
	Fleet	size:	1	Team(s)	-	Fotal job time:	57.83	3 He	ours
	TT •-		#0.72 0			T (1 ' 1)	01 4 <i>C</i>		

Unit cost: _____\$0.738____ /LCY

Total job cost: \$14,606

Task description:	Spread Topsoil o				
AGRI-DLD Gravel Pi	t Peri	mit Action:	2024-01-23 Update	Permit/Job#:	M2000030
PROJECT IDENTIFI	CATION				
Task #: 07A	State:	Colorado		Abbreviation:	None
Date: $1/23/2024$	County:	La Plata		Filename:	M030-07a
User: DMC	County.	La Tiata		Thename.	Iv1030-07a
Agency or organ	 ization name: DF	RMS			
HOURLY EQUIPME					
	D9T - 9SU		_		
1 <u> </u>	ni-Universal				
51	ank ripper				
	er day				
Data Source: (CR					
	.0)				
Cost Breakdown:					
a 11		.	Utilization %		
Ownership Cost/Hour:		\$238.76	NA		
Operating Cost/Hour:		\$162.29	100		
Ripper own. Cost/Hour:		\$18.32	NA		
Ripper op. Cost/Hour:		\$0.00	0		
		\$41.30	NA		
Operator Cost/Hour: Fotal unit Cost/Hour: Fotal Fleet Cost/Hour: MATERIAL QUANT	\$460.67 \$460.67 ITIES				
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: <u>19,20</u>	\$460.67 <u>ITIES</u> 00				
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: <u>19,20</u> Swell factor: <u>1.000</u>	\$460.67 <u>ITIES</u> 00				
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: <u>19,20</u> Swell factor: <u>1.000</u>	\$460.67 ITIES)0) 00 LCY	 of Reclamati	on, Mining & Safety		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 19,20 Swell factor: 1000 Loose volume: 19,20	\$460.67 ITIES 00 00 00 LCY ne:Division (on, Mining & Safety		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 19,20 Swell factor: 1.000 Loose volume: 19,20 Source of estimated volum Source of estimated swell	\$460.67 ITIES)0)0)0)0)0 DO LCY ne: Division of factor: Cat Hand		ion, Mining & Safety		
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Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 19,20 Swell factor: 1.000 Loose volume: 19,20 Source of estimated volun Source of estimated swell HOURLY PRODUCT	\$460.67 ITIES 00 100 100	book	ion, Mining & Safety		
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Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 19,20 Swell factor: 1.000 Loose volume: 19,20 Source of estimated volun Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly produc Materials consistency dest	\$460.67 ITIES 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 100 100 feet 1,243.2 cription: Consol:	book Y/hr			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 19,20 Swell factor: 1.000 Loose volume: 19,20 Source of estimated volun Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly produc Materials consistency deservation	\$460.67 ITIES)0)0)0)0)0)0)0)0)0)0)0)0)0)0)100 (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (11) (12) (12) (12) (12) (12) (12) (12) (12) (13) (14) (15) (15) (12) (12) (13) (14) (14) (15) (14)	book Y/hr			
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Job efficienc	y: 0.830	(1 SHIFT/DAY)
Spoil pi	e: 0.800	(SSD-AC)
Push gradier	nt: 1.000	(CAT HB)
Altitud	le: 1.000	(CAT HB)
Material Weigh	nt: 0.902	(CAT HB)
Blade typ	e: 1.000	(PAT)
Net correctio	n: 0.4492	
Adjusted unit production:	558.45 LCY/hr	
Adjusted fleet production:	558.45 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$0.825/LCY

Total job time:	34.38 Hours
Total job cost:	\$15,838

REVEGETATION WORK

1	ask descrip	otion:	Revegetate				
Site:	AGRI-D	LD Gravel Pit	Pe	rmit Action:	2024-01-23 Update	Permit/Joł	o#: M2000030
<u>P</u>]		IDENTIFIC		Calarada		Abbreviation:	None
	Task #: Date:	08A 1/23/2024	State: County:	Colorado La Plata		Filename:	None M030-08a
	User:	DMC					
	Age	ency or organiz	ation name: DI	RMS			

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
0-20-20, 4-8-12, 10-10-10	40.00	pound	\$0.62	\$24.80
			Total Fertilizer Materials	
			Cost/Acre	\$24.80

Application

Description	Cost /Acre
Truck whirlwind spreader (MEANS 32 01 90.13 0140)	\$17.42
Total Fertilizer Application Cost/Acre	\$17.42

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 - Native	2.50	8.09	\$16.25
Crested Wheatgrass - Fairway	1.20	5.51	\$4.83
Smooth Brome - Manchar	2.50	8.32	\$8.31
Intermediate Wheatgrass - Tegmar	3.00	6.40	\$9.00
Western Wheatgrass - Arriba	3.20	8.08	\$20.80
Totals Seed Mix	12.40	36.41	\$59.19

Application

Description Cost /Acre		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
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$429.79	\$859.57
Total Mulch Materials Cost/Acre				\$859.57

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$74.46
	Total Mulch Application Cost/Acre	\$74.46

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:	40	Cost /Acre:	\$1,380.26
Estimate	ed Failure Rate:	20%	Cost /Acre*:	\$1,380.26
*Selected Replanti	ng Work Items:	FERTILIZING, TI	LLING, SEEDING,	
		MULCHING		
Initial Job Cost:	\$55,210.40			
Reseeding Job Cost:	\$11,042.08			
Total Job Cost:	\$66,252			
Job Hours:	40.00			
vee neuron	10.00			

EQUIPMENT MOBILIZATION/DEMOBILIZATION

		bilize/Demobilize					
AGRI-DLD G	ravel Pit	Permit	Action: _2024-	-01-23 Upd	ate I	Permit/Job	#: <u>M2000030</u>
PROJECT IDE	NTIFICATI	<u>ON</u>					
Task #: 09A	Δ	State: Co	olorado		Abbre	viation:	None
Date: 1/2 User: DM	3/2024 IC	County: La	Plata		Fi	lename:	M030-09a
Agency	or organization	name: DRMS					
EQUIPMENT T	RANSPOR	<u>F RIG COST</u>					
				C	Shift ba Cost Data Sour		per day RG Data
Truck	Tractor Desci	ription: GENE	RIC ON-HIGH		CK TRACTO (2ND HALF,		DIESEL POWERED,
Truck	k Trailer Desci	ription: G		ING GOO	SENECK, DR	OP DECK	K EQUIPMENT
				RAILER ((25T, 50T, AN	ND 1001)	
Cost Breakdown:							
Available Rig C	apacities	0-25 Tons	26-50 Tons	51+	Tons		
Ownership	Cost/Hour	** *			10115		
Operating		\$20.26	\$36.04		7.05		
	Cost/Hour:	\$20.26 \$39.51	\$36.04 \$76.08				
				\$8	7.05		
Operator	Cost/Hour:	\$39.51	\$76.08	\$8 \$2	7.05 2.85		
Operator Helper	Cost/Hour: Cost/Hour:	\$39.51 \$22.52	\$76.08 \$22.52	\$8 \$2 \$2	7.05 2.85 2.52		
Operator Helper Total Unit	Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour:	\$39.51 \$22.52 \$0.00 \$82.29	\$76.08 \$22.52 \$23.53	\$8 \$2 \$2	7.05 2.85 2.52 3.53		
Operator Helper Total Unit	Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIPM	\$39.51 \$22.52 \$0.00 \$82.29 IENT:	\$76.08 \$22.52 \$23.53 \$158.17	\$8 \$2 \$2 \$1	7.05 2.85 2.52 3.53 75.95	Return T	Trip DOT Permit
Operator Helper Total Unit	Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIPM Weight/	\$39.51 \$22.52 \$0.00 \$82.29 IENT: Owner ship	\$76.08 \$22.52 \$23.53 \$158.17 Haul Rig	\$8 \$2 \$2 \$17 Fleet	7.05 2.85 2.52 3.53 75.95 Haul Trip	Return T Cost/hr/	
Operator Helper Total Unit	Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIPN Weight/ Unit	\$39.51 \$22.52 \$0.00 \$82.29 IENT:	\$76.08 \$22.52 \$23.53 \$158.17 Haul Rig Cost/hr/uni	\$8 \$2 \$2 \$1	7.05 2.85 2.52 3.53 75.95 Haul Trip Cost/hr/	Return T Cost/hr/	
Operator Helper Total Unit NON ROADAB Machine Description	Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIPM Weight/	\$39.51 \$22.52 \$0.00 \$82.29 IENT: Owner ship Cost/hr/ unit	\$76.08 \$22.52 \$23.53 \$158.17 Haul Rig Cost/hr/uni t	\$8 \$2 \$2 \$17 Fleet	7.05 2.85 2.52 3.53 75.95 Haul Trip Cost/hr/ fleet	Cost/hr/	
Operator Helper Total Unit	Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIPN Weight/ Unit (TONS)	\$39.51 \$22.52 \$0.00 \$82.29 IENT: Owner ship	\$76.08 \$22.52 \$23.53 \$158.17 Haul Rig Cost/hr/uni	\$8 \$2 \$2 \$17 Fleet Size	7.05 2.85 2.52 3.53 75.95 Haul Trip Cost/hr/	Return T Cost/hr/ \$175.95 \$82.29	fleet Cost/ fleet
Operator Helper Total Unit NON ROADAB Machine Description Cat D9T - 9SU	Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIPN Weight/ Unit (TONS) 60.01	\$39.51 \$22.52 \$0.00 \$82.29 IENT: Owner ship Cost/hr/ unit \$238.76	\$76.08 \$22.52 \$23.53 \$158.17 Haul Rig Cost/hr/uni t \$175.95	\$8 \$2 \$2 \$1 Fleet Size 1	7.05 2.85 2.52 3.53 75.95 Haul Trip Cost/hr/ fleet \$414.71	Cost/hr/ \$175.95	fleet Cost/ fleet \$250.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Generic 8-10 cy, 6x4	\$98.45	2	\$196.90	\$196.90
Light Duty Pickup, 4x4, 3/4 T.	\$15.83	1	\$15.83	\$15.83
		Subtotals:	\$212.73	\$212.73

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: Total one-way travel distance: Average Travel Speed:	DURANGO 15.00 50.00	miles
Total Non-Roadable Mob/Demob Cost *	\$3,601.95	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$127.64	

Transportation Cycle Time:

Haul Time (Hours): Return Time (Hours): Loading Time (Hours): Unloading Time (Hours):	Non- Roadable Equipment 0.30 0.30 1.00 1.00	Roadable Equipment 0.30 0.30 NA NA
Subtotals:	2.60	0.60

JOB TIME AND COST

Total job time: **5.20** Hours

Total job cost: \$3,730