January 25, 2024

Jim Doody Elam Construction, Inc. 556 Struthers Ave Grand Junction, CO 81501



1313 Sherman Street, Room 215 Denver, CO 80203

RE: AGRI-DLD Gravel Pit, Permit # M-2000-030, Reclamation Costs Update

Dear Operator:

In an effort to ensure the Financial Warranty for the above referenced site adequately reflects the actual current costs of fulfilling the requirements of the approved reclamation plan, the Colorado Division of Reclamation, Mining and Safety (Division) has updated the reclamation cost estimate (copy enclosed) for this site. Division calculations estimate the cost to reclaim the site to be \$230,203.00. This is an increase of \$88,140.81 over the \$142,062.19 currently held by the Division.

Within 15 days, please review the attached estimate and notify me if any calculation errors are noted.

If you require additional information, or have questions or concerns, please contact me.

Sincerely,

Dustin Czapla

Environmental Protection Specialist

Division of Reclamation, Mining and Safety

Phone: (303) 866-3567, ext. 8188



COST SUMMARY WORK

Ta	ask descrip	otion:	2024-01-23 Upd	ate					
Site: _	AGRI-DI	LD Gravel Pit	Pe	rmit Action:	2024-01-23 U	Jpdate	Permit/Jol	o#: M2000030	
PR	ROJECT I	<u>IDENTIFIC</u>	<u>ATION</u>						
	Task #:	000	State:	Colorado			Abbreviation:	None	
	Date:	1/23/2024	County:	La Plata			Filename:	M2000030000	
	User:	DMC							
<u>TA</u>		ency or organiz		RMS					_
Task					Form	Fleet	Task		
	Descrip				Used	Size	Hours	Cost	
01a	Reduce	Highwalls to 2	2:1		DOZER	1	43.80	\$20,572	
02a	Push Ov	verburden Dov	vnslope, Create 3:1	1	DOZER	1	35.36	\$16,287	
03a	Grade P	Pit Floor	-		DOZER	1	43.03	\$19,824	

RIPPER

DOZER

TRUCK1

DOZER

REVEGE

MOBILIZE

Load and Carry Topsoil from Stockpile to Pit Floor

OVERHEAD AND PROFIT:

INDIRECT COSTS

Revegetate

Rip Compaction on Pit Floor

Spread Topsoil on Slopes

Spread Topsoil on Pit Floor

Mobilize/Demobilize

04a

05a

06a

07a

08a

09a

Liability insurance:2.02Total =\$3,723Performance bond:1.05Total =\$1,935Job superintendent:159.04Total =\$10,350

Profit: 10.00 Total = \$18,432 TOTAL O & P = \$34,441

CONTRACT AMOUNT (direct + O & P) = $\frac{334,441}{$218,764}$

54.68

2.75

58.88

34.38

40.00

318.08

5.20

\$25,684

\$1,266

\$14,870

\$15,838

\$66,252

\$3,730

\$184,323

1

1

1

1

1

SUBTOTALS:

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

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

Engineering work and/or contract/bid preparation: 0.00 Total = \$0

Reclamation management and/or administration: 5.00 \$10,938

CONTINGENCY: 0.00 Total = _\$0

TOTAL INDIRECT COST = \$45,880

TOTAL BOND AMOUNT (direct + indirect) = \$230,203

	iteauce i	lighwalls to 2:1			
AGRI-DLD Gravel	Pit	Permit Action:	2024-01-23 Update	Permit/Job#:	M2000030
PROJECT IDENTI	FICATION				
Task #: 01A		State: Colorado		Abbreviation:	None
Date: 1/23/2024	C	ounty: La Plata		Filename:	M030-01a
User: DMC		<u> </u>		-	
Agency or org	anization nam	e: DRMS			
HOURLY EQUIPM	ENT COST				
	at D9T - 9SU		<u></u>		
Horsepower: 40					
- 1 <u></u>	emi-Universal				
	shank ripper per day				
	CRG)		<u> </u>		
Cost Breakdown:	/				
COST DICARGOWII.			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		
Operator Cost/Hours	:	\$41.30	NA		
MATERIAL QUAN	,800				
Swell factor: 1.4	-30				
Swell factor: 1.4					
Swell factor: 1.4	30 , 184 LCY ume:D	ivision of Reclamat	ion, Mining & Safety		
Swell factor: 1.4 Loose volume: 41, Source of estimated vol Source of estimated swe	30 184 LCY ume:		ion, Mining & Safety		
Swell factor: 1.4 Loose volume: 41. Source of estimated vol Source of estimated swe	30 184 LCY ume:	at Handbook	ion, Mining & Safety		
Swell factor: 1.4 Loose volume: 41, Source of estimated vol Source of estimated swe	30 .184 LCY ume:	at Handbook	ion, Mining & Safety		
Swell factor: 1.4 Loose volume: 41, Source of estimated vol Source of estimated swe HOURLY PRODUC Average push distance:	184 LCY Dell factor: Dell factor: CTION 50 factor: 2,11	at Handbook Geet			
Swell factor: 1.4 Loose volume: 41, Source of estimated vol Source of estimated swe HOURLY PRODUC Average push distance: Unadjusted hourly prod	184 LCY Dell factor: Dell factor: CTION 50 factor: 2,11	eet 0.5 LCY/hr			
Swell factor: 1.4 Loose volume: 41, Source of estimated vol Source of estimated swe HOURLY PRODUC Average push distance: Unadjusted hourly prod Materials consistency d Average push gradient:	184 LCY 184 LCY 184 LCY 184 LCY 184 LCY 184 LCY 185	at Handbook Feet 0.5 LCY/hr Compacted fill or e			
Swell factor: 1.4 Loose volume: 41, Source of estimated vol Source of estimated swe HOURLY PRODUC Average push distance: Unadjusted hourly prod Materials consistency d Average push gradient: Average site altitude:	184 LCY Dell factor: Dell factor: CTION	at Handbook Feet 0.5 LCY/hr Compacted fill or e	mbankment 0.9		
Swell factor: 1.4 Loose volume: 41, Source of estimated vol Source of estimated swe HOURLY PRODUC Average push distance: Unadjusted hourly prod Materials consistency d Average push gradient: Average site altitude: Material weight:	184 LCY Dell factor: Dell factor: CTION	at Handbook Seet 0.5 LCY/hr Compacted fill or e	mbankment 0.9		
Swell factor: 1.4 Loose volume: 41, Source of estimated vol Source of estimated swe HOURLY PRODUC Average push distance: Unadjusted hourly prod Materials consistency d Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correctic Operato	184 LCY 184 LCY 184 LCY 184 LCY 184 LCY 184 LCY 18	at Handbook Seet 0.5 LCY/hr Compacted fill or e	mbankment 0.9		
Swell factor: 1.4 Loose volume: 41. Source of estimated vol Source of estimated swe HOURLY PRODUC Average push distance: Unadjusted hourly prod Materials consistency d Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correctic Operato Material consistency	184 LCY Dell factor: Dell factor: CTION	at Handbook Geet 0.5 LCY/hr Compacted fill or e LCY ed rock - 75% Rock 0.750 0.900	, 25% Earth Source (AVG.) (CAT HB))		
Swell factor: 1.4 Loose volume: 41, Source of estimated vol Source of estimated swe HOURLY PRODUC Average push distance: Unadjusted hourly prod Materials consistency d Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operato Material consistency d Dozing m	184 LCY Dell factor: Dell factor: CTION	at Handbook Teet 0.5 LCY/hr Compacted fill or e LCY ed rock - 75% Rock 0.750	mbankment 0.9 , 25% Earth Source (AVG.)		

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: 0.4455

Adjusted unit production: 940.23 LCY/hr
Adjusted fleet production: 940.23 LCY/hr

JOB TIME AND COST

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

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

Task description:	Push Ov	erburden Downslop	e, Create 3:1		
e: AGRI-DLD Gra	vel Pit	Permit Action:	2024-01-23 Update	Permit/Job#:	M2000030
PROJECT IDEN	TIFICATION				
Task #: 02A		State: Colorado		Abbreviation:	None
Date: $\frac{0274}{1/23/2}$	024	County: La Plata		Filename:	M030-02a
User: DMC				_	1,1020 024
	organization nan	ne: DRMS			
HOURLY EQUI					
Basic Machine:	Cat D9T - 9SU	_			
Horsepower:	405				
Blade Type:	Semi-Universa	1			
Attachment:	3-shank ripper	•	<u>—</u>		
Shift Basis:	1 per day				
Data Source:	(CRG)		_		
Cost Breakdown:			ı		
			<u>Utilization %</u>		
Ownership Cost/H		\$238.76	NA		
Operating Cost/H		\$162.29	100		
Ripper own. Cost/H		\$18.32	NA		
Ripper op. Cost/H		\$0.00	0		
Operator Cost/H	our:	\$41.30	NA		
MATERIAL QU. Initial Volume: Swell factor:	30,400 1.215				
Loose volume:	36,936 LCY				
Source of estimated Source of estimated		Division of Reclamati Cat Handbook	ion, Mining & Safety		
HOURLY PROD	<u>UCTION</u>				
Average push distant Unadjusted hourly p		feet 10.5 LCY/hr			
Materials consistence	y description:	Consolidated stocky	pile 1.0		
Average push gradic Average site altitude		t			
Material weight:	3,300 lbs/	LCY		<u> </u>	
Weight description:	Decompo	sed rock - 75% Rock	, 25% Earth		
Job Condition Corre		o =	Source		
	rator Skill:	0.750	(AVG.)		
Material co		1.000	(CAT HB)		
Dozin	ng method:	1.000	(GEN.)		
	Visibility:	1.000	(AVG.)		

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)

Page 2 of 2

Net correction: 0.4950

Adjusted unit production: 1,044.70 LCY/hr
Adjusted fleet production: 1044.7 LCY/hr

JOB TIME AND COST

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

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

Task description:	Grade 1	111111111			
AGRI-DLD Grav	el Pit	Permit Action:	2024-01-23 Update	Permit/Job#:	M2000030
PROJECT IDENT	TIFICATION	<u>I</u>			
Task #: 03A		State: Colorado		Abbreviation:	None
Date: $\frac{0.971}{1/23/20}$	024	County: La Plata	·	Filename:	M030-03a
User: DMC	921	County. <u>La Flata</u>		Thename	141030 034
Agency or o	organization na	me: DRMS			
HOURLY EQUIP					
Basic Machine:	Cat D9T - 9SU	_			
Horsepower:	405		<u> </u>		
Blade Type:	Semi-Universa	al			
Attachment:	3-shank ripper				
Shift Basis:	1 per day		<u> </u>		
Data Source:	(CRG)		<u> </u>		
Cost Breakdown:			ı		
			<u>Utilization %</u>		
Ownership Cost/Ho		\$238.76	NA		
Operating Cost/Ho		\$162.29	100		
Ripper own. Cost/Ho		\$18.32	NA		
Ripper op. Cost/Ho		\$0.00	0		
Operator Cost/Ho	our:	\$41.30	NA		
Total unit Cost/Hour Total Fleet Cost/Hou	sr: \$460.67				
MATERIAL QUA Initial Volume:	\$460.67 ANTITIES 17,600				
MATERIAL QUA Initial Volume: Swell factor:	\$460.67 ANTITIES				
MATERIAL QUA Initial Volume: Swell factor:	ANTITIES 17,600 1.000 17,600 LCY volume:	Division of Reclamati	ion, Mining & Safety		
MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated v	ANTITIES 17,600 1.000 17,600 LCY volume: swell factor:		on, Mining & Safety		
MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated v Source of estimated s HOURLY PRODU	ANTITIES 17,600 1.000 17,600 LCY volume: swell factor: UCTION ce:	Cat Handbook 50 feet	ion, Mining & Safety		
MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated volume of estimated setimated setimate	\$460.67	Cat Handbook			
MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated v Source of estimated s HOURLY PRODU Average push distance Unadjusted hourly produced.	### ##################################	Cat Handbook 50 feet 0.5 LCY/hr Consolidated stock			
MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated victors of estimated selections and the selection of the selecti	### ##################################	Cat Handbook 50 feet 10.5 LCY/hr Consolidated stock			
MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated v Source of estimated s HOURLY PRODI Average push distance Unadjusted hourly pr Materials consistency Average push gradier Average site altitude:	### ##################################	Cat Handbook 50 feet 10.5 LCY/hr Consolidated stock			
MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated volume of estimated volume of estimated source o	S460.67 S460.67 Section Factor S460.67 Section Factor Section	Cat Handbook 50 feet 0.5 LCY/hr Consolidated stock et s/LCY Dry packed	pile 1.0		
MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated versus of estimated services HOURLY PRODUCT Average push distance Unadjusted hourly promote the product of	\$460.67	Cat Handbook 50 feet 10.5 LCY/hr Consolidated stock et s/LCY Dry packed 0.750	pile 1.0 Source (AVG.)		
MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated volumes of estimated selections of estimated selections. HOURLY PRODUCTION Materials consistency. Average push distance Unadjusted hourly promote Materials consistency. Average push gradier Average site altitude: Material weight: Weight description: Job Condition Corrections Operations of the Material consistency.	\$460.67	Cat Handbook 50 feet 0.5 LCY/hr Consolidated stock et s/LCY Dry packed	pile 1.0		

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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: 409.00 LCY/hr
Adjusted fleet production: 409 LCY/hr

JOB TIME AND COST

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

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

BULLDOZER RIPPING WORK

	Task description:	Rip (Compaction on Pit Flooi	•				
Site	: AGRI-DLD C	Gravel Pit	Permit Action:	2024-01-23 U _I	pdate 1	Permit/Job#:	M200003	30
	PROJECT ID	ENTIFICATION	<u>ON</u>					
	Task #: 04	A	State: Colorado		Ab	breviation:	None	
		23/2024	County: La Plata			Filename:	M030-04a	a
	User: DN	ИC						
	Agency	or organization	name: DRMS					
	HOURLY EQ	UIPMENT CO	<u>OST</u>					
	Basic	Machine: Cat	D9T - 9SU		Horsepower:		405	
	Ripper Att	tachment: 3-S	hank Ripper		Shift Basis:		er day	
					Data Source:	((CRG)	
	Cost Breakdown	<u>.</u>						
					Utilization %			
		Ownership Co		\$238.76	NA	_		
	D.	Operating Co		\$162.29	100	_		
		er Ownership Co per Operating Co		\$18.32 \$8.98	NA 100	_		
	Кірі	per Operating Co Operator Co		\$41.30	NA	_		
		Total Unit Co	-	\$469.65	11/11	_		
		Total Fleet Co	ost/Hour: \$469) 65				
	MATERIAL C							
	MATERIAL (Sele	ected estimating	method: Are	ea		
	Alternate Method	ds:						
Seismic:	NA 40.00		Bank Volume:	NA 1.50	BCY		NA	BCY or CC
Area:	40.00	acres	Rip Depth (ft):	1.50	Volume: _	96,800		BC Y or CC
		Source of estin	nated quantity: Reclam	nation Plan				
	HOURLY PRO	<u>ODUCTION</u>						
	Seismic:							
		S	Seismic Velocity:	NA	feet/se	cond		
	Area:							
		Average	e Ripping Depth:	2.63	feet/pa	iss		
			e Ripping Width:	7.67	feet/pa			
			Ripping Length:	400.00	feet/pa			
			ige Dozer Speed:	88.00	feet/m			
			Maneuver Time:	0.25	minute	•		
			ion per unit area:	0.881	acres/h	iour		
	Job Condition Co	orrection Factors						
	Un	adjusted Hourly	Unit Production:	0.881	Acres/	hr		
			Site Altitude:	6,600	feet			
			Altitude Adj:	1.00	(CAT			
			Job Efficiency:	0.83	(1 shif	• /		
			Net Correction:	0.83	multip	lier		
		Adjusted	Hourly Unit Production:	0.73	Acres/hr			
		Adjusted I	Hourly Fleet Production:	0.73	Acres/hr			
	JOB TIME AN	ND COST						
	Fleet size:	1	Grader(s)	Total job tim	e:	54.69	Но	urs
	- Unit aast:	\$642.107	Dar nare	Total ich a		225 604	-	
	Unit cost:	\$642.107	Per acre	Total job cos	st:	525,684		

: AGRI-DLD Grave		Topsoil on Slopes			
	el Pit	Permit Action:	2024-01-23 Update	Permit/Job#:	M2000030
PROJECT IDENT	TIFICATION				
Task #: 05A		State: Colorado		Abbreviation:	None
Date: $\frac{0.011}{1/23/20}$	24	County: La Plata	·	Filename:	M030-05a
User: DMC	<u></u>	County: Lu I luiu		- Titelianie.	111050 054
Agency or o	rganization nar	ne: DRMS			
HOURLY EQUIP					
	Cat D9T - 9SU	_			
_	405				
	Semi-Universa	1	_		
	3-shank ripper				
	1 per day		<u> </u>		
Data Source:	(CRG)		<u> </u>		
Cost Breakdown:			I		
			<u>Utilization %</u>		
Ownership Cost/Hou		\$238.76	NA		
Operating Cost/Hou		\$162.29	100		
Ripper own. Cost/Hou		\$18.32	NA 0		
Ripper op. Cost/Hou		\$0.00	0		
Operator Cost/Hou	ur:	\$41.30	NA		
	,440				
Initial Volume: 1 Swell factor: 1	.,440 250 .,800 LCY				
Initial Volume: 1 Swell factor: 1	250 1,800 LCY olume:	Division of Reclamati Cat Handbook	ion, Mining & Safety		
Initial Volume: 1 Swell factor: 1 Loose volume: 1 Source of estimated v	.250 .300 LCY olume: well factor:		ion, Mining & Safety		
Initial Volume: 1 Swell factor: 1 Loose volume: 1 Source of estimated v Source of estimated s	250 .,800 LCY olume: well factor:		ion, Mining & Safety		
Initial Volume: 1 Swell factor: 1 Loose volume: 1 Source of estimated v Source of estimated sy	250300 LCY olume: well factor: JCTION e:	Cat Handbook	on, Mining & Safety		
Initial Volume: 1 Swell factor: 1 Loose volume: 1 Source of estimated v Source of estimated sv HOURLY PRODU	250,800 LCY olume: well factor: UCTION e:	Cat Handbook 0 feet			
Initial Volume: 1 Swell factor: 1 Loose volume: 1 Source of estimated v Source of estimated sv HOURLY PRODU Average push distance Unadjusted hourly pro	.250 .300 LCY olume: well factor: UCTION e: 15 oduction: 91 description:	Cat Handbook 0 feet 0.5 LCY/hr Consolidated stock			
Initial Volume: 1 Swell factor: 1 Loose volume: 1 Source of estimated volume of estimated source of estima	olume: well factor: UCTION e:	Cat Handbook 0 feet 0.5 LCY/hr Consolidated stock			
Initial Volume: 1 Swell factor: 1 Loose volume: 1 Source of estimated v Source of estimated sv HOURLY PRODU Average push distance Unadjusted hourly pro Materials consistency Average push gradien Average site altitude:	.250 .,800 LCY olume: well factor:	Cat Handbook 0 feet 0.5 LCY/hr Consolidated stock			
Initial Volume: 1 Swell factor: 1 Loose volume: 1 Source of estimated v. Source of estimated sv. HOURLY PRODU Average push distance Unadjusted hourly pro Materials consistency Average push gradien Average site altitude: Material weight: Weight description: Job Condition Correct	.250 .,800 LCY	Cat Handbook 0 feet 0.5 LCY/hr Consolidated stock t /LCY ry packed	pile 1.0		
Initial Volume: 1 Swell factor: 1 Loose volume: 1 Source of estimated v. Source of estimated sy. HOURLY PRODU Average push distance Unadjusted hourly pro Materials consistency Average push gradien Average site altitude: Material weight: Weight description: Job Condition Correct Opera	.250 .,800 LCY olume: well factor:	Cat Handbook 0 feet 0.5 LCY/hr Consolidated stock t /LCY ry packed 0.750	pile 1.0 Source (AVG.)		
Initial Volume: 1 Swell factor: 1 Loose volume: 1 Source of estimated versure of estimated service of estimated se	.250 .,800 LCY olume: well factor:	Cat Handbook 0 feet 0.5 LCY/hr Consolidated stock t /LCY ry packed	pile 1.0		

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.7192

Adjusted unit production: 654.83 LCY/hr
Adjusted fleet production: 654.83 LCY/hr

JOB TIME AND COST

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 Topsoil	from Stockpile t	o Pit Floor		
Site: AGRI-DLD Gr	avel Pit	Permit Actio	on: 2024-01-23	Update	Permit/Job#: M	2000030
PROJECT IDEN	NTIFICATION					
Task #: 06A	2024	State: Colora County: La Pla		Ab	breviation: Non MO	ne 30-06a
Agency o	r organization nan	ne: DRMS				
HOURLY EQU	IPMENT COST	<u>r</u>		Shift bas	is: 1 per day	
Supp	laintenance –Mote	m -Truck: Gen -Loader: CAT .oad Area: NA .ump Area: NA	Equipment Descri eric 8-10 cy, 6x4 7 938H	ption		
	- W a	ter Truck: NA				
Cost Breakdown:	Truck/Loa Truck	ader Team Loader	Support I Load Area	Equipment Dump Area	Maintenan Motor Grader	ce Equipment Water Truck
%Utilization-machine:	100	100	NA NA	NA	NA	NA
Ownership cost/hour:	\$16.85	\$43.90	NA NA	NA NA	NA NA	NA NA
Operating cost/hour:	\$49.69	\$34.86	NA	NA	NA	NA
%Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	NA	NA	NA	NA
Ripper op. cost/hour:	NA	\$0.00	NA	NA	NA	NA
Operator cost/hour:	\$0.00	\$40.71	NA	NA	NA	NA
Unit Subtotals:	\$66.54	\$119.47	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 co	JANTITIES					
Initial volume Loose volume		CCY LCY	Swell	factor: 1.125		
	ource of estimated e of estimated swe Material Purch To	ell factor: Cat H	landbook	on, Mining & Safe	ety	
HOURLY PRO	<u>DDUCTION</u>					
Truck Capacity: Truck Payload (we Material Desc	weight: 2,550	Dry packed	Pounds/LCY			
Rated P Payload Ca	ayload: 27,280		Pounds LCY			

Struck Volume:	8.00	LCY				
Heaped Volume:		LCY				
Average Volume:	9.00	LCY				
Adjusted Volume:	10.00	LCY				
Final '	Truck Volume	Based on Number of	Loader Passes:	7.61	LCY	
Loading Tool Capacity			_	.,,,,		
			Bucke	t Size Class: N	A	<u> </u>
Rated Capacity:	3.900	LCY (heaped)				_
Bucket Fill Factor:	0.975	Loose material	- mixed moist aggr	egates (95-100%)	0.975	
Adjusted Capacity:	3.803	LCY				_
Job Condition Corrections:	<u>.</u>	Si	te Altitude (ft.): <u>66</u>	<u>00</u> feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	1.000	(CAT HB)			
Job Efficiency:	0.830	0.830	(CAT HB)			
Net Correction:	0.830	0.830				
Loading Tool Cycle Time:	Number	r of Loading Tool Pas	sses Required to Fi	ll Truck:	2	passes
		C	1			•
Excavators and Front Shovel	S:					
Excavators and Front Shovel		D.C. MA				
Machine Cycle Time vs Selected Value w	. Job Conditio					
Machine Cycle Time vs	s. Job Conditio vithin this Basi	c Rating: NA				
Machine Cycle Time vs Selected Value w Track Loaders – I	s. Job Conditio vithin this Basi	c Rating: NA				
Machine Cycle Time vs Selected Value w Track Loaders – I	s. Job Conditio vithin this Basi Material Descr	c Rating: NA		Dump: 0.100		
Machine Cycle Time vs Selected Value w Track Loaders – l Cycle Time Elements (min.):	s. Job Conditio vithin this Basi Material Descr	c Rating: NA iption: Ianeuver: NA	ne (load, dump, ma	·		nutes
Machine Cycle Time vs Selected Value w Track Loaders – I Cycle Time Elements (min.): Load: NA	s. Job Conditio vithin this Basi Material Descr	c Rating: NA iption: Ianeuver: NA	ne (load, dump, ma	·		utes
Machine Cycle Time vs Selected Value w Track Loaders – I Cycle Time Elements (min.): Load: <u>NA</u> Wheel and Track Loaders -	s. Job Conditio vithin this Basi Material Descr	c Rating: NA iption: Ianeuver: NA asic Loader Cycle Tir	ne (load, dump, ma	aneuver): 0.	483 min	nutes
Machine Cycle Time vs Selected Value w Track Loaders – I Cycle Time Elements (min.): Load: NA Wheel and Track Loaders - Cycle Time Factors	S. Job Condition vithin this Basi Material Descr	c Rating: NA iption: Ianeuver: NA asic Loader Cycle Tir		nneuver): 0. Factor (min.)	483 min Source	nutes
Machine Cycle Time vs Selected Value w Track Loaders – I Cycle Time Elements (min.): Load: NA Wheel and Track Loaders - Cycle Time Factors Material:	Material Descr Unadjusted Ba Mixed material Conveyor or	c Rating: NA iption: Ianeuver: NA asic Loader Cycle Tire ial 0.02	h and up 0.00	nneuver): 0. Factor (min.) 0.020	483 min Source (Cat HB)	nutes
Machine Cycle Time vs Selected Value w Track Loaders – I Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Mixed materical Conveyor or Common own	c Rating: NA iption: Ianeuver: NA asic Loader Cycle Tir ial 0.02 dozer piled 10 ft. highership of trucks and ration -0.04	h and up 0.00	Factor (min.) 0.020 0.000 -0.040 -0.040	Source (Cat HB) (Cat HB)	nutes
Machine Cycle Time vs Selected Value w Track Loaders – I Cycle Time Elements (min.): Load: NA Wheel and Track Loaders - Cycle Time Factors Material: Stockpile: Truck Ownership:	Mixed materi Conveyor or	c Rating: NA iption: Maneuver: NA asic Loader Cycle Tir al 0.02 dozer piled 10 ft. highership of trucks and ration -0.04 et 0.00	h and up 0.00 loaders -0.04	Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	Source (Cat HB) (Cat HB)	utes
Machine Cycle Time vs Selected Value w Track Loaders – I Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Mixed materical Conveyor or Common own	c Rating: NA iption: Maneuver: NA asic Loader Cycle Tir ial 0.02 dozer piled 10 ft. highership of trucks and ration -0.04 et 0.00 Net Cycle Tir	h and up 0.00 loaders -0.04	Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	uutes
Machine Cycle Time vs Selected Value w Track Loaders – I Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Mixed materical Conveyor or Common own	c Rating: NA iption: Maneuver: NA asic Loader Cycle Tin ial 0.02 dozer piled 10 ft. hig nership of trucks and ration -0.04 et 0.00 Net Cycle Tin Adjusted Loade	h and up 0.00 loaders -0.04 ne Adjustment: er Cycle Time:	Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.423	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	nutes
Machine Cycle Time vs Selected Value w Track Loaders – I Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Mixed materical Conveyor or Common own	c Rating: NA iption: Maneuver: NA asic Loader Cycle Tin ial 0.02 dozer piled 10 ft. hig nership of trucks and ration -0.04 et 0.00 Net Cycle Tin Adjusted Loade	h and up 0.00 loaders -0.04	Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	autes
Machine Cycle Time vs Selected Value w Track Loaders – I Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Mixed materical Conveyor or Common own	c Rating: NA iption: Maneuver: NA asic Loader Cycle Tin ial 0.02 dozer piled 10 ft. hig nership of trucks and ration -0.04 et 0.00 Net Cycle Tin Adjusted Loade	h and up 0.00 loaders -0.04 ne Adjustment: er Cycle Time:	Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.423	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	nutes
Machine Cycle Time vs Selected Value w Track Loaders – I Cycle Time Elements (min.): Load: NA Wheel and Track Loaders - Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	Mixed materi Conveyor or Common own Nominal targ	c Rating: NA iption: Maneuver: NA asic Loader Cycle Tin ial 0.02 dozer piled 10 ft. hig nership of trucks and ration -0.04 et 0.00 Net Cycle Tin Adjusted Loade	h and up 0.00 loaders -0.04 ne Adjustment: er Cycle Time: ime per Truck:	Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.423	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	nutes
Machine Cycle Time vs Selected Value w Track Loaders – I Cycle Time Elements (min.): Load: NA Wheel and Track Loaders - Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time:	Mixed material Conveyor or Common own Constant open Nominal targ	c Rating: NA iption: Maneuver: NA asic Loader Cycle Tin ial 0.02 dozer piled 10 ft. high nership of trucks and ration -0.04 et 0.00 Net Cycle Tin Adjusted Loade Net Load T	h and up 0.00 loaders -0.04 ne Adjustment: er Cycle Time: ime per Truck: Adjusted fo	Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.423 0.523	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	

<u>Truck Travel (Haul & Return) Time:</u> Road Condition: <u>Rutted dirt, little maintenance, no water, 2" tire penetration 5.0</u>

Haul Route:

Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel 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

Haul Time: 0.001 minutes Return Route: Travel Seg# Haul Distance Grade (%) Roll. Res Total Res Velocity Time (Ft) (%) (%) (fpm) (min) 5.00 5.00 1 300.00 0.00 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 minutes Total Truck Cycle Time: 2.213 minutes Loading Tool unit LCY/Hour Adjusted for job efficiency: 370.40 Production 446.26 LCY/Hour Truck Unit Production 206.24 LCY/Hour Adjusted for job efficiency: 171.18 LCY/Hour Optimal No. of Trucks: 2 Truck(s) Selected Number of Trucks: 2 Truck(s) Adjusted hourly truck team production: 342.35 LCY/Hour Adjusted single truck/loader team production: LCY/Hour 342.35 Adjusted multiple truck/loader team production: 342.35 LCY/Hour

JOB TIME AND COST

Fleet size:	1	Team(s)	Total job time:	57.83	Hours
Unit cost:	\$0.738	/LCY	Total job cost:	\$14,606	

Task description:	Spre	ad Topsoil o	711 11 11 11001			
AGRI-DLD Gra	vel Pit	Per	mit Action:	2024-01-23 Update	Permit/Job#:	M2000030
PROJECT IDEN	NTIFICATIO	ON				
Task #: 07A		State:	Colorado		Abbreviation:	None
Date: $\frac{0/A}{1/23/2}$	2024	County:	La Plata		Filename:	M030-07a
User: DMC		County.	LaTiata		Thename.	1V1030-07a
Agency of	organization	name: DF	RMS			
HOURLY EQUI	PMENT CO	<u>DST</u>				
Basic Machine:	Cat D9T - 9	SU				
Horsepower:	405					
Blade Type:	Semi-Unive					
Attachment:	3-shank rip	per				
Shift Basis:	1 per day			<u></u>		
Data Source:	(CRG)			<u></u>		
Cost Breakdown:						
				Utilization %		
Ownership Cost/H	Iour:		\$238.76	NA		
Operating Cost/H	Iour:		\$162.29	100		
Ripper own. Cost/H			\$18.32	NA		
D:	Iour:		\$0.00	0		
Ripper op. Cost/F			Ø 41 20	NT A		
Operator Cost/Hot Total unit Cost/Hot Total Fleet Cost/Hot	\$460.0 \$460.0		\$41.30	NA NA		
Operator Cost/Hotal unit Cost/Hotal	\$460.0 \$460.0		\$41.30	INA INA		
Operator Cost/H Total unit Cost/Hot Total Fleet Cost/Hot MATERIAL QU Initial Volume:	\$460.6 \$460.6 \$47.1 \$4.2 \$4.2 \$4.2 \$4.2 \$4.2 \$4.2 \$4.2 \$4.2		\$41.30	INA		
Operator Cost/Hot Total unit Cost/Hot Total Fleet Cost/Hot MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated	\$460.6 Sur: \$460.6 \$460.6 \$460.6 \$460.6 \$19,200 1.000 19,200 LCY \$1 volume: \$1 swell factor:	67	of Reclamati	ion, Mining & Safety		
Operator Cost/Hot Total unit Cost/Hot Total Fleet Cost/Hot MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROI	19,200 1.000 19,200 LCY I volume: I swell factor:	Division Cat Hand	of Reclamati			
Operator Cost/Hot Total unit Cost/Hot Total Fleet Cost/Hot MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated	### \$460.6 ### \$4	Division	of Reclamati			
Operator Cost/Hot Total unit Cost/Hot Total Fleet Cost/Hot MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROI Average push dista	### \$460.6 ##################################	Division Cat Hand 100 feet 1,243.2 LC	of Reclamati	ion, Mining & Safety		
Operator Cost/H Total unit Cost/Hot Total Fleet Cost/Hot MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROI Average push dista Unadjusted hourly	### \$460.6 ### \$4		of Reclamati lbook	ion, Mining & Safety		
Operator Cost/H Total unit Cost/Hot Total Fleet Cost/Hot MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROI Average push dista Unadjusted hourly Materials consisten Average push gradi	\$460.6 \$460.6 \$460.6 \$460.6 \$460.6 \$460.6 \$460.6 \$460.6 \$460.6 \$460.6 \$19,200 \$1,000		of Reclamati lbook	ion, Mining & Safety		
Operator Cost/H Total unit Cost/Hot Total Fleet Cost/Hot MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROI Average push dista Unadjusted hourly; Materials consisten Average push gradi Average site altitud	\$460.6 \$460.6 \$460.6 \$460.6 \$460.6 \$460.6 \$460.6 \$460.6 \$19,200 1.000 19,200 LCY \$1 volume: \$1 swell factor: DUCTION ance: production: cy description: ent: e: \$\frac{0\%}{6,600}\$ \$\frac{2,550}{\}	Division Cat Hand 100 feet 1,243.2 LC Consol	of Reclamati lbook Y/hr idated stock	ion, Mining & Safety		
Operator Cost/H Total unit Cost/Hot Total Fleet Cost/Hot MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROI Average push dista Unadjusted hourly; Materials consisten Average push gradi Average site altitud Material weight: Weight description Job Condition Corr	\$460.6 \$460.6 \$460.6 \$460.6 \$460.6 \$460.6 \$460.6 \$460.6 \$460.6 \$1,200 \$1,000 \$	Division Cat Hand 100 feet 1,243.2 LC Consol feet lbs/LCY - Dry packer	of Reclamati lbook Y/hr idated stock	on, Mining & Safety oile 1.0 Source		
Operator Cost/H Total unit Cost/Hot Total Fleet Cost/Hot MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROI Average push dista Unadjusted hourly Materials consisten Average push gradi Average site altitud Material weight: Weight description Job Condition Corr	\$460.6 \$460.6 \$460.6 \$460.6 \$460.6 \$460.6 \$460.6 \$460.6 \$460.6 \$1.000 \$	Division Cat Hand 100 feet 1,243.2 LC Consol feet lbs/LCY Dry packed	of Reclamati lbook Y/hr idated stock	on, Mining & Safety oile 1.0 Source (AVG.)		
Operator Cost/H Total unit Cost/Hot Total Fleet Cost/Hot MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated Source of estimated HOURLY PROI Average push dista Unadjusted hourly; Materials consisten Average push gradi Average site altitud Material weight: Weight description Job Condition Corr Oper Material c	\$460.6 \$460.6 \$460.6 \$460.6 \$460.6 \$460.6 \$460.6 \$460.6 \$460.6 \$1,200 \$1,000 \$	Division Cat Hand 100 feet 1,243.2 LC Consol feet lbs/LCY Dry packed	of Reclamati lbook Y/hr idated stock	on, Mining & Safety oile 1.0 Source		

0.830	(1 SHIFT/DAY)
0.800	(SSD-AC)
1.000	(CAT HB)
1.000	(CAT HB)
0.902	(CAT HB)
1.000	(PAT)
	0.800 1.000 1.000 0.902

Net correction: 0.4492

Adjusted unit production: 558.45 LCY/hr
Adjusted fleet production: 558.45 LCY/hr

JOB TIME AND COST

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

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

REVEGETATION WORK

Task descripti	ion:	Revege	tate					
AGRI-DLI	D Gravel Pit		Per	rmit Action:	2024-	-01-23 Update	Permit/Job	#: <u>M2000030</u>
ROJECT II	DENTIFIC	ATION						
	08A 1/23/2024		State: County:	Colorado La Plata			Abbreviation: Filename:	None M030-08a
User:	DMC		•				-	
Agen ERTILIZIN	ncy or organiz <u>NG</u>	zation nar	me: DF	RMS				
		zation nar	me: <u>DF</u>	RMS				
ERTILIZIN	NG	zation nar	ne: <u>DF</u>		its /	Unit	Cost / Unit	Cost /Acre
ERTILIZIN Laterials Description	NG		me: DF	Un	re	Unit pound	Cost / Unit \$0.62	Cost /Acre \$24.80
ERTILIZIN Laterials Description	NG		me: DF	Un Ac	re	ļ .		\$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

Descrip	tion	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 Co	st/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

JOB TIME AND COST

Cost /Acre: \$1,380.26 Cost /Acre*: \$1,380.26 No. of Acres: 40

Estimated Failure Rate: 20%

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

MULCHING

Initial Job Cost: **\$55,210.40** Reseeding Job Cost: \$11,042.08 Total Job Cost: **\$66,252** Job Hours: **40.00**

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Site:	AGRI-DLD Gravel Pit	Permit Action:	2024-01-23 Update	Permit/Job#:	M2000030	
			1	_		

PROJECT IDENTIFICATION

Task description:

Task #:09AState:ColoradoAbbreviation:NoneDate:1/23/2024County:La PlataFilename:M030-09a

User: DMC

Agency or organization name: DRMS

EQUIPMENT TRANSPORT RIG COST

Shift basis: 1 per day
Cost Data Source: CRG Data

Truck Tractor Description: GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWERED,

400 HP (2ND HALF, 2006)

Truck Trailer Description: GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT

TRAILER (25T, 50T, AND 100T)

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

Mobilize/Demobilize

NON ROADABLE EQUIPMENT:

Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return Trip	DOT Permit
Description	Unit	Cost/hr/ unit	Cost/hr/uni	Size	Cost/hr/	Cost/hr/ fleet	Cost/ fleet
	(TONS)		t		fleet		
Cat D9T - 9SU	60.01	\$238.76	\$175.95	1	\$414.71	\$175.95	\$250.00
CAT 938H	16.34	\$43.90	\$82.29	1	\$126.19	\$82.29	\$0.00
Drill/Broadcast	25.00	\$6.73	\$82.29	1	\$89.02	\$82.29	\$0.00
Seeder with							
Tractor							

Subtotals: \$629.92 \$340.53 \$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
miles
50.00
mph

<u>Transportation Cycle Time:</u>

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

JOB TIME AND COST

Total job cost: 5.20 Hours

Total job cost: \$3,730