

March 6, 2025

John Gilleland C & J Gravel Products, Inc. 27661 U.S. Hwy 160 E Durango, CO 81301

Re: Montoya Pit - File No. M-1980-146 C & J Gravel Products, Inc. Surety Increase (SI-1) Increase FW to \$722,830

Dear John Gilleland:

On March 6, 2025 the Division of Reclamation, Mining and Safety increased the Financial Warranty for this permit to \$722,830.00, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of **\$301,472.00** over the current amount held (\$421,358.00).

The Division ordered amendment of the current Financial Warranty or submittal of a new Financial Warranty reflecting the increase, is due within 60 days.

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 May 5, 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



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 <u>https://drms.colorado.gov</u> Jared S. Polis, Governor | Dan Gibbs, Executive Director | Michael A. Cunningham, Director

COST SUMMARY WORK

Task desc	ription:	2025-01-15 Upd	ate			
ite: Monto	a Pit	Per	rmit Action:	2024-06-26	Permit/Jo	o#: <u>M1980146</u>
PROJEC [®]	<u> IDENTIFI</u>	CATION				
Task #	000	State:	Colorado		Abbreviation:	None
Date	6/26/2024	County:	La Plata		Filename:	M146-000
Licer	DMC					

TASK LIST (DIRECT COSTS)

Task	Description	Form	Fleet	Task Hours	Cost
01-	Description	Used DOZER	Size		
01a	Northwest corner shaping			258.84	\$127,586
02a	Southwest corner shaping	DOZER		37.99	\$18,725
03a	Northwest topsoil placement	TRUCK1	1	8.86	\$6,933
03b	Northwest topsoil shaping	DOZER	1	3.85	\$1,898
04a	Southwest topsoil placement	TRUCK1	1	1.81	\$1,415
04b	Southwest topsoil shaping	DOZER	1	0.79	\$387
05a	Rip pit floor	RIPPER	1	31.33	\$16,596
06a	Pit floor topsoil placement	TRUCK1	1	31.58	\$24,705
06b	Pit floor topsoil shaping	DOZER	1	13.72	\$6,762
07a	Seed disturbed areas	REVEGE	1	35.00	\$85,440
08a	Southwest slope shaping on southern boundary	DOZER	1	32.00	\$15,771
09a	Shape dirt slopes of old southern mining hole	DOZER	1	232.62	\$114,660
10a	3:1 dirt slope on pool table east of stationary crusher	DOZER	1	8.91	\$4,391
11a	Fill in the remainder of the northern hole	DOZER	1	19.59	\$9,655
12a	Rip pit floor BLM	RIPPER	1	44.91	\$23,791
13a	Pit floor topsoil placement BLM	TRUCK1	1	45.27	\$35,415
13b	Pit floor topsoil shaping BLM	DOZER	1	19.67	\$9,694
14a	Seed disturbed areas BLM	REVEGE	1	36.00	\$86,838
15a	Mobilization	MOBILIZE	1	4.26	\$6,547
		<u>SUBTO</u>	DTALS:	867	\$597,209

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$12,064
Performance bond:	1.05	Total =	\$6,271
Job superintendent:	159.82	Total =	\$12,669
Profit:	10.00	Total =	\$59,721
		TOTAL O & P =	\$90,724
		CONTRACT AMOUNT (direct + O & P) = $($	\$687,933

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		\$34,397

CONTINGENCY:

$0.00 ext{Total} = \$0$	0.00	Total =	\$0	
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TOTAL INDIRECT COST = ____\$125,621

TOTAL BOND AMOUNT (direct + indirect) = ________ \$722,830

Task description:	Northwest corn	er shaping			
Montoya Pit	Pe	rmit Action:	2024-06-26	Permit/Job#:	M1980146
PROJECT IDENTI	FICATION				
Task #: 01A	State:	Colorado		Abbreviation:	None
Date: $6/26/202$		La Plata		Filename:	M146-01a
User: DMC				-	
Agency or or	ganization name: <u>D</u>	RMS			
HOURLY EQUIPM	<u>IENT COST</u>				
	Cat D10T - 10SU				
	574				
~ I	Semi-Universal				
	NA				
	per day				
Data Source: _(CRG)				
Cost Breakdown:		I			
		¢057.00	<u>Utilization %</u>		
Ownership Cost/Hour		\$257.39	NA 100		
Operating Cost/Hour		\$196.93	100 NA		
Ripper own. Cost/Hour		\$0.00 \$0.00	NA		
Ripper op. Cost/Hour			0		
Operator Cost/Hour	r:	\$38.59	NA		
Swell factor: 1.	9,200 250 9,000 LCY				
	2				
Source of estimated vo					
Source of estimated sw	vell factor: Cat Han	dbook			
HOURLY PRODU	CTION				
Average push distance Unadjusted hourly pro-		/hr			
Materials consistency of			mbankment 0.9		
	·				
Average push gradient	$\frac{0\%}{6,750 \text{ feet}}$				
Average site altitude:					
Average site altitude: Material weight:	2,550 lbs/LCY				
-	i	ed			
Material weight: Weight description: Job Condition Correcti	2,550 lbs/LCY Earth - Dry packe on Factor		Source		
Material weight: Weight description: Job Condition Correcti Operate	2,550 lbs/LCY Earth - Dry packe on Factor or Skill:	0.750	(AVG.)		
Material weight: Weight description: Job Condition Correcti Operato Material cons	2,550 lbs/LCY Earth - Dry packet on Factor or Skill: (istency: ().750).900	(AVG.) (CAT HB))		
Material weight: Weight description: Job Condition Correcti Operato Material cons Dozing 1		0.750	(AVG.)		

Job efficiency	y: 0.830	(1 SHIFT/DAY)
Spoil pil	e: 0.800	(FND-RF)
Push gradien	it: 1.000	(CAT HB)
Altitud	e: 1.000	(CAT HB)
Material Weigh	ıt: 0.902	(CAT HB)
Blade typ	e: 1.000	(PAT)
Net correction	n: 0.4043	
Adjusted unit production:	382.47 LCY/hr	
Adjusted fleet production:	382.47 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$1.289/LCY

Total job time:	258.84 Hours
Total job cost:	\$127,586

Page 1 of 2

M	Southwest corner shaping			
: Montoya Pit	Permit Action:	2024-06-26	Permit/Job#:	M1980146
PROJECT IDENTI	FICATION			
Task #: 02A Date: 6/26/2024 User: DMC	State:ColoradoCounty:La Plata		Abbreviation: Filename:	None M146-02a
Agency or org	anization name: DRMS			
HOURLY EQUIPM	ENT COST			
Horsepower: 57 Blade Type: 56 Attachment: N Shift Basis: 1	emi-Universal A per day			
Data Source: <u>(C</u> <u>Cost Breakdown</u> :	CRG)			
Ownership Cost/Hour:	\$257.39	<u>Utilization %</u> NA		
Operating Cost/Hour:		100		
Ripper own. Cost/Hour:	\$0.00	NA		
Ripper op. Cost/Hour:		0		
Operator Cost/Hours	\$38.59	NA		
MATERIAL QUAN	TITIES			
	120 50			
Initial Volume: 21, Swell factor: 1.2				
Initial Volume: 21, Swell factor: 1.2	50 400 LCY ume: <u>1.44</u> ac			
Initial Volume: 21, Swell factor: 1.2 Loose volume: 26, Source of estimated vol	50 400 LCY ume: 1.44 ac ell factor: Cat Handbook			
Initial Volume: 21, Swell factor: 1.2 Loose volume: 26, Source of estimated vol Source of estimated swe	50 400 LCY ume: 1.44 ac ell factor: Cat Handbook <u>CTION</u> 100 feet			
Initial Volume: 21, Swell factor: 1.2 Loose volume: 26, Source of estimated vol Source of estimated swe HOURLY PRODUC	50 400 LCY ume: 1.44 ac oll factor: Cat Handbook CTION 100 feet uction: 1,718.9 LCY/hr	mbankment 0.9		
Initial Volume: 21, Swell factor: 1.2 Loose volume: 26, Source of estimated vol Source of estimated swo HOURLY PRODUC Average push distance: Unadjusted hourly prod	50 400 LCY ume: 1.44 ac oll factor: Cat Handbook CTION 100 feet uction: 1,718.9 LCY/hr	 mbankment 0.9		
Initial Volume: 21, Swell factor: 1.2 Loose volume: 26, Source of estimated vol Source of estimated swe HOURLY PRODUC Average push distance: Unadjusted hourly prod Materials consistency de Average push gradient:	50 400 LCY ume: 1.44 ac ell factor: Cat Handbook CTION uction: 100 feet 1,718.9 LCY/hr escription: Compacted fill or e 0 %	mbankment 0.9		
Initial Volume: 21, Swell factor: 1.2 Loose volume: 26, Source of estimated vol Source of estimated swe HOURLY PRODUC Average push distance: Unadjusted hourly prod Materials consistency de Average push gradient: Average site altitude:	50 400 LCY ume: 1.44 ac ell factor: Cat Handbook 2TION uction: 100 feet 1,718.9 LCY/hr escription: Compacted fill or e 0 % 6,750 feet	 		
Initial Volume: 21, Swell factor: Swell factor: 1.2 Loose volume: 26, Source of estimated vol Source of estimated vol Source of estimated swo HOURLY PRODUC Average push distance: Unadjusted hourly prod Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction	50 400 LCY ume: 1.44 ac cll factor: Cat Handbook 2TION uction: 100 feet 1,718.9 LCY/hr escription: Compacted fill or e 0 % 6,750 feet 2,550 lbs/LCY Earth - Dry packed n Factor 1	Source		
Initial Volume: 21, Swell factor: 1.2 Loose volume: 26, Source of estimated vol Source of estimated swo HOURLY PRODUC Average push distance: Unadjusted hourly prod Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction	50 400 LCY ume: 1.44 ac cll factor: Cat Handbook 2TION uction: 100 feet uction: 1,718.9 LCY/hr escription: Compacted fill or e 0 % 6,750 feet 2,550 lbs/LCY Earth - Dry packed n Factor 0.750	Source (AVG.)		
Initial Volume: 21, Swell factor: Swell factor: 1.2 Loose volume: 26, Source of estimated vol Source of estimated vol Source of estimated swo HOURLY PRODUC Average push distance: Unadjusted hourly prod Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction	50 400 LCY ume: 1.44 ac cll factor: Cat Handbook 2TION 100 feet uction: 1,718.9 LCY/hr escription: Compacted fill or e 0 % 6,750 feet 2,550 lbs/LCY Earth - Dry packed m Factor 0.750 r Skill: 0.750	Source		

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	: 0.902	(CAT HB)
Blade type	: 1.000	(PAT)
Net correction	: 0.4043	
Adjusted unit production:	694.95 LCY/hr	
Adjusted fleet production:	694.95 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$0.709/LCY

Total job time:	37.99 Hours
Total job cost:	\$18,725

TRUCK/LOADER TEAM WORK

Task description:	Northwe	est topsoil pl	laceme	nt			
Site: Montoya Pit		Permit	Action	: 2024-06-26		Permit/Job#: <u>M</u>	1980146
PROJECT IDEN	TIFICATION						
Task #: $03A$ Date: $6/26/2$ User: DMC Agency or	024 organization nam	County: La	colorado a Plata		Ab	breviation: <u>No</u> Filename: <u>M1</u>	ne 46-03a
HOURLY EQUI	PMENT COST	<u>[</u>			Shift bas	is: <u>1 per day</u>	
			Ea	uipment Descri	ption		
Т	ruck Loader Tea	m -Truck:	Cat 77		puen		
		-Loader:	CAT				
Suppo	ort Equipment -L		CAT 9 NA	980H			
Road Ma	aintenance –Mot	ump Area:	NA				
		ter Truck:	NA				
<u>Cost Breakdown</u> :	Truck/Loa	ader Team		Support]	Equipment	Maintenan	ce Equipment
	Truck	Loader]	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	1	100	100	NA	NA	NA
Ownership cost/hour:	\$116.97	\$69.	.00	\$69.00	NA	NA	NA
Operating cost/hour:	\$82.54	\$60.	.57	\$60.57	NA	NA	NA
%Utilization-riper:	NA		0	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.	.00	\$0.00	NA	NA	NA
Ripper op. cost/hour:	NA	\$0.	.00	\$0.00	NA	NA	NA
Operator cost/hour:	\$25.24	\$36.	.85	\$36.85	NA	NA	NA
Unit Subtotals:	\$224.75	\$166.	.42	\$166.42	NA	NA	NA
Number of Units:	2		1	1	0	0	(
Group Subtotals:	Work:	\$615.92		Support:	\$166.42	Maint:	\$0.00
Total work team cos MATERIAL QU.	<u>.</u>	<u> </u>					
Initial volume: Loose volume:			CCY LCY	Swell	factor: <u>1.000</u>		
	urce of estimated of estimated swe Material Purch To	ell factor: 0 ase Cost: 5	7.05 ac Cat Hai \$0.00 \$0.00	x 6" ndbook			
HOURLY PRO	DUCTION						
<u>Truck Capacity:</u> <u>Truck Payload (weig</u> Material w	veight: 1,600	.:1		_ Pounds/LCY			
Descri Rated Pa Payload Cap	yload: 92,900			Pounds LCY			

Struck Volume:	26.40	LCY				
Heaped Volume:		LCY				
Average Volume:		LCY				
Adjusted Volume:	36.00	LCY				
Fina	l Truck Volume	Pased on Number	of Loader Passes:	29.25	LCY	
Loading Tool Capacity		based on Number	of Loader 1 asses.			
<u>\$</u>			Buel	ket Size Class: N	Δ	
Rated Capacity:	7.500	LCY (heaped			Λ	_
Bucket Fill Factor:	0.975			ates to 1/8" (95-100	0%) 0 075	-
Adjusted Capacity:	7.313	LOUSE Materia			//0) 0.975	_
Job Condition Corrections			Site Altitude (ft.):	5750 feet		
	<u>. </u>	Loader	Source			
Altitude Adj:	1.000	1.000	(CAT HE	3)		
Job Efficiency:	0.830	0.830	(CAT HE			
Net Correction:	0.830	0.830				
Loading Tool Cycle Time:	Numba	r of Londing Tool 1	- Dassas Daguirad ta	Fill Truck:	1 -	Nessec
Excavators and Front Shove	_	1 of Loading 1001	Fasses Required to		}	basses
Executions and From Shove	<u>215.</u>					
Machine Cycle Time v Selected Value	vs. Job Conditio within this Basi					
	within this Basi	ic Rating: NA				
Selected Value	within this Basi - Material Descr	ic Rating: NA				
Selected Value Track Loaders –	within this Basi - Material Descr ::	ic Rating: NA		Dump:0.100)	
Selected Value Track Loaders – Cycle Time Elements (min.)	within this Basi - Material Descr :: 	ic Rating: <u>NA</u> ription: Maneuver: <u>NA</u>	Γime (load, dump, r	·) .550 min	ıtes
Selected Value Track Loaders – Cycle Time Elements (min.) Load: <u>NA</u> Wheel and Track Loaders	within this Basi - Material Descr :: 	ic Rating: <u>NA</u> ription: Maneuver: <u>NA</u>	Γime (load, dump, r	naneuver): 0	,	ıtes
Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA	within this Basi - Material Descr :: - M - Unadjusted Ba	ic Rating: <u>NA</u> ription: Maneuver: <u>NA</u>		·	.550 min	utes
Selected Value Track Loaders – Cycle Time Elements (min.) Load: <u>NA</u> Wheel and Track Loaders Cycle Time Factors	within this Basi - Material Descr :: 	ic Rating: <u>NA</u> ription: Maneuver: <u>NA</u> asic Loader Cycle T)2	naneuver): <u>0</u> Factor (min.)	.550 min Source	ites
Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material:	within this Basi - Material Descr :: 	ic Rating: <u>NA</u> iption: Maneuver: <u>NA</u> asic Loader Cycle 7 o 1/8" diameter 0.0	02 high and up 0.00	naneuver):0 Factor (min.) 0.020	.550 min Source (Cat HB)	utes
Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile:	within this Basi - Material Descr :: 	ic Rating: NA iption: Maneuver: NA asic Loader Cycle T o 1/8" diameter 0.0 dozer piled 10 ft. h nership of trucks an	02 high and up 0.00	naneuver): 0 Factor (min.) 0.020 0.000	.550 min Source (Cat HB) (Cat HB)	ites
Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	within this Basi Material Descr Unadjusted Ba Material up to Conveyor or Common ow	ic Rating: NA iption: NA faneuver: NA asic Loader Cycle T o 1/8" diameter 0.0 dozer piled 10 ft. h nership of trucks an pration -0.04 get 0.00	12 high and up 0.00 nd loaders -0.04	naneuver): 0 Factor (min.) 0.020 0.000 -0.040	.550 min Source (Cat HB) (Cat HB) (Cat HB)	utes
Selected Value 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 M - Unadjusted Ba Material up to Conveyor or Common ow Constant ope	ic Rating: NA iption: Maneuver: NA asic Loader Cycle T o 1/8" diameter 0.0 dozer piled 10 ft. h nership of trucks and iration -0.04 get 0.00 Net Cycle T	02 high and up 0.00 nd loaders -0.04	naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	.550 min Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	utes
Selected Value 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 M - Unadjusted Ba Material up to Conveyor or Common ow Constant ope	ic Rating: NA iption: Maneuver: NA asic Loader Cycle T o 1/8" diameter 0.0 dozer piled 10 ft. h nership of trucks an ration -0.04 get 0.00 Net Cycle T Adjusted Los	02 high and up 0.00 nd loaders -0.04 Cime Adjustment: ader Cycle Time:	naneuver): 0 Factor (min.) 0.020 0.000 -0.040 0.000 -0.060 0.490	.550 minutes	ites
Selected Value 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 M - Unadjusted Ba Material up to Conveyor or Common ow Constant ope	ic Rating: NA iption: Maneuver: NA asic Loader Cycle T o 1/8" diameter 0.0 dozer piled 10 ft. h nership of trucks an ration -0.04 get 0.00 Net Cycle T Adjusted Los	02 high and up 0.00 nd loaders -0.04	naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	.550 min Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	utes
Selected Value 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 M - Unadjusted Ba Material up to Conveyor or Common ow Constant ope	ic Rating: NA iption: Maneuver: NA asic Loader Cycle T o 1/8" diameter 0.0 dozer piled 10 ft. h nership of trucks an ration -0.04 get 0.00 Net Cycle T Adjusted Los	02 high and up 0.00 nd loaders -0.04 Cime Adjustment: ader Cycle Time:	naneuver): 0 Factor (min.) 0.020 0.000 -0.040 0.000 -0.060 0.490	.550 minutes	utes
Selected Value 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 M - Unadjusted Ba Material up to Conveyor or Common ow Constant ope Nominal targ	ic Rating: NA iption: Maneuver: NA asic Loader Cycle T o 1/8" diameter 0.0 dozer piled 10 ft. h nership of trucks an ration -0.04 get 0.00 Net Cycle T Adjusted Los	2 high and up 0.00 nd loaders -0.04 Time Adjustment: ader Cycle Time: Time per Truck:	naneuver): 0 Factor (min.) 0.020 0.000 -0.040 0.000 -0.060 0.490	.550 minutes	
Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time:	 within this Basi Material Description Waterial Description Unadjusted Basi Material up to Conveyor or Conveyor or Conveyor or Constant ope Nominal targ e:0.70 	ic Rating: NA iption: Maneuver: NA asic Loader Cycle T o 1/8" diameter 0.0 dozer piled 10 ft. h nership of trucks an rration -0.04 get 0.00 Net Cycle T Adjusted Loa Net Load)2 high and up 0.00 nd loaders -0.04 Time Adjustment: ader Cycle Time: Time per Truck: Adjusted	naneuver): 0 Factor (min.) 0.020 0.000 -0.040 0.000 -0.060 0.490 1.570	.550 minutes	
Selected Value 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 Description: Unadjusted Ba Unadjusted Ba Material up to Conveyor or Conveyor or Common ow Constant ope Nominal targ e: 0.70 e: 1.570 	ic Rating: NA iption: NA Maneuver: NA asic Loader Cycle T o 1/8" diameter 0.0 dozer piled 10 ft. h nership of trucks an paration -0.04 get 0.00 Net Cycle T Adjusted Loa Net Load Minutes)2 high and up 0.00 nd loaders -0.04 Time Adjustment: ader Cycle Time: Time per Truck: Adjusted Adjusted	maneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.490 1.570 for site altitude:	.550 minutes (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes 0.700	utes
Selected Value 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 Description Unadjusted Ba Unadjusted Ba Material up to Conveyor or Common ow Constant ope Nominal targ e: 0.70 e: 1.570 e: 1.10 	ic Rating: NA iption:	2 iigh and up 0.00 nd loaders -0.04 Time Adjustment: ader Cycle Time: Time per Truck: Adjusted Adjusted Adjusted	naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.490 1.570 for site altitude: for site altitude:	.550 minutes (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) 0.700 1.570 1.100	 Minute:

Haul Rou	r				T (1 D	T 7 1 •	Travel	
Seg #	Haul L (Ft)	Distance	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Time (min)	
1	500.00		0.00	3.00	3.00	2626	0.547	
					Haul Time:	0.547	minutes	
Return Ro	oute:				=			
Seg #	Haul D (Ft)	Distance	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time	
1	500.00		0.00	3.00	3.00	3087	(min) 0.305	
1	200.00		0.00	5.00	1	1		
				Total Tru	Return Time: ck Cycle Time:	0.305 4.222	minutes	
				Total IIu	ek Cycle Tille.	4.222	minutes	
Loading Too Produ Truck Unit Produ	iction	773.13	LCY/Hour		Adjusted for j	ob efficiency:	641.70	LCY/Hour
	<u> </u>	415.68	LCY/Hour		Adjusted for j	ob efficiency:	345.01	LCY/Hour
Optimal No. of Tr	ucks:	2	Truck(s)		Selected Num	per of Trucks:	2	Truck(s)
			Adjuste	d hourly truc	k team production	on: <u>690</u>	.03 LCY/H	Iour
					er team production			
			Adjusted multip	le truck/loade	er team production	on: 641.	.70 LCY/H	lour
JOB TI	ME AN	D COST						
Fleet	size:	1	Team(s)]	Fotal job time:	8.86	Hour	S
Unit	cost:	\$1.219	/LCY		Total job cost:	\$6,93	3	

	Northwest topsoil shaping			
: Montoya Pit	Permit Action:	2024-06-26	Permit/Job#:	M1980146
PROJECT IDENT	IFICATION			
Task #: 03B Date: 6/26/202 User: DMC	4 State: <u>Colorado</u> 4 County: La Plata		Abbreviation: Filename:	None M146-03b
Agency or or	ganization name: <u>DRMS</u>			
HOURLY EQUIPM	<u>AENT COST</u>			
Horsepower: Blade Type: Attachment:	Cat D10T - 10SU 574 Semi-Universal NA I per day			
	CRG)			
Cost Breakdown:	r: \$257.39	Utilization % NA		
Ownership Cost/Hou Operating Cost/Hou		100		
Ripper own. Cost/Hou		NA		
Ripper op. Cost/Hou		0		
Operator Cost/Hou	r:\$38.59	NA		
Swell factor: 1.	687 000			
Loose volume: <u>5</u> .	687 LCY			
Source of estimated vo Source of estimated sv				
	vell factor: Cat Handbook			
Source of estimated sv	CTION 100 feet			
Source of estimated sw HOURLY PRODU Average push distance	Cat Handbook CTION : 100 feet duction: 1,718.9 LCY/hr	2		
Source of estimated sw <u>HOURLY PRODU</u> Average push distance Unadjusted hourly pro	Cat Handbook CTION : 100 feet duction: 1,718.9 LCY/hr description: Loose stockpile 1.3	2		
Source of estimated sw HOURLY PRODU Average push distance Unadjusted hourly pro Materials consistency Average push gradient	Cat Handbook CTION : 100 feet duction: 1,718.9 LCY/hr description: Loose stockpile 1.2 : 0 %	2		
Source of estimated sw HOURLY PRODU Average push distance Unadjusted hourly pro Materials consistency Average push gradient Average site altitude:	Cat Handbook CTION : 100 feet duction: 1,718.9 LCY/hr description: Loose stockpile 1.3 : 0 %	2		
Source of estimated sw HOURLY PRODU Average push distance Unadjusted hourly pro Materials consistency Average push gradient Average site altitude: Material weight: Weight description: Job Condition Correct	Cat Handbook CTION : 100 feet duction: 1,718.9 LCY/hr description: Loose stockpile 1.3 : 0 %	Source		
Source of estimated sw HOURLY PRODU Average push distance Unadjusted hourly pro Materials consistency Average push gradient Average site altitude: Material weight: Weight description: <u>Job Condition Correct</u> Operat	Cat Handbook CTION : 100 feet duction: 1,718.9 LCY/hr description: Loose stockpile 1.3 : 0 %	Source (AVG.)		
Source of estimated sw HOURLY PRODU Average push distance Unadjusted hourly pro Materials consistency Average push gradient Average site altitude: Material weight: Weight description: Job Condition Correct	Cat Handbook CTION : 100 feet duction: 1,718.9 LCY/hr description: Loose stockpile 1.3 : 0 %	Source		

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: 1,4	477.05 LCY/hr	
Adjusted fleet production: 14	77.05 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$0.334/LCY

Total job time:	3.85 Hours
Total job cost:	\$1,898

TRUCK/LOADER TEAM WORK

Task description:	Southwe	est topsoil plac	ement			
Site: Montoya Pit		Permit Ac	ction: <u>2024-06-26</u>		Permit/Job#: <u>M</u>	1980146
PROJECT IDEN	TIFICATION					
Task #:04ADate:6/26/20User:DMCAgency or 6	024 (organization nan	County: La I	orado Plata	Ab	breviation: <u>Nor</u> Filename: <u>M1</u>	ne 46-04a
HOURLY EQUI	-			Shift bas	sis: <u>1 per day</u>	
			Equipment Descr	iption		
Ti	ruck Loader Tea		Cat 772 CAT 980H			
Suppo	ort Equipment -L		CAT 980H			
			IA			
Road Ma	intenance – Moto		IA IA			
	- vv a	ter Truck: N	A			
Cost Breakdown:	Truck/Loa	der Team	Support	Equipment	Maintenan	ce Equipment
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	0 100	NA	NA	NA
Ownership cost/hour:	\$116.97	\$69.00	0 \$69.00	NA	NA	NA
Operating cost/hour:	\$82.54	\$60.57	7 \$60.57	NA	NA	NA
%Utilization-riper:	NA	(0 NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	0 \$0.00	NA	NA	NA
Ripper op. cost/hour:	NA	\$0.00	0 \$0.00	NA	NA	NA
Operator cost/hour:	\$25.24	\$36.85	5 \$36.85	NA	NA	NA
Unit Subtotals:	\$224.75	\$166.42	2 \$166.42	NA	NA	NA
Number of Units:	2	1	1 1	0	0	C
Group Subtotals:	Work:	\$615.92	Support:	\$166.42	Maint:	\$0.00
Total work team cost		. <u> </u>				
Initial volume: Loose volume:	1,161 1,16 1			factor: <u>1.000</u>		
	rce of estimated of estimated swe Material Purcha To	ase Cost: \$0	44 ac x 6" t Handbook .00 .00			
HOURLY PRO	DUCTION					
<u>Truck Capacity:</u> <u>Truck Payload (weig</u> Material w Descri Rated Pay	eight: <u>1,600</u> ption: <u>Top So</u>	il	Pounds/LCY Pounds	-		

		LCY				
Heaped Volume:		LCY				
Average Volume:		LCY				
Adjusted Volume:	36.00	LCY				
Final	Truck Volume	Based on Number o	f Looder Dosses	29.25	LCY	
Loading Tool Capacity	Truck volume	Dased on Number C	The Loader Tasses.		LC1	
<u>Bound roor cupuony</u>			Puel	ket Size Class: N	Τ. Λ	
Data I Canadita	7.500	LCV (hourd)	DUCH	tet Size Class	NA	
Rated Capacity: _ Bucket Fill Factor:	7.500	LCY (heaped)	uniform aggrega	ates to 1/8" (95-100	0%) 0 075	-
Adjusted Capacity:	7.313	LOOSE Material		ates to 178 (95-100	570) 0.975	_
Job Condition Corrections		S	ite Altitude (ft.): <u>6</u>	5750 feet		
	Truck	Loader	Source	<u></u>		
Altitude Adj:	1.000	1.000	(CAT HB	()		
Job Efficiency:	0.830	0.830	(CAT HB	/		
		0.020		<u></u>		
Net Correction:	0.830	0.830				
Loading Tool Cycle Time:	Number	of Loading Tool Pa	asses Required to I	Fill Truck:	4 r	basses
Excavators and Front Shove	<u>ls:</u>					
Machine Cycle Time v	a Job Condition					
		NA votinov				
Selected Value						
	within this Basic	e Rating: NA				
Selected Value	within this Basic Material Descri	e Rating: NA				
Selected Value Track Loaders –	within this Basic Material Descri	e Rating: NA		 Dump:0.100	0	
Selected Value Track Loaders – Cycle Time Elements (min.): Load: <u>NA</u>	within this Basic Material Descri M	e Rating: <u>NA</u> ption: aneuver: <u>NA</u>	me (load. dump. r		,	ites
Selected Value Track Loaders – Cycle Time Elements (min.): Load: <u>NA</u> Wheel and Track Loaders -	within this Basic Material Descri M	e Rating: <u>NA</u> ption: aneuver: <u>NA</u>	me (load, dump, n	naneuver):0	0.550 minu	ıtes
Selected Value Track Loaders – Cycle Time Elements (min.): Load: <u>NA</u> Wheel and Track Loaders - Cycle Time Factors	within this Basic Material Descri Unadjusted Bas	c Rating: <u>NA</u> ption: aneuver: <u>NA</u> sic Loader Cycle Ti		naneuver):0 Factor (min.)	0.550 minu Source	ıtes
Selected Value Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders - Cycle Time Factors Material:	within this Basic Material Descri M Unadjusted Bas Material up to	c Rating: NA ption: aneuver: NA sic Loader Cycle Ti 0 1/8" diameter 0.02		naneuver): 0 Factor (min.) 0.020	0.550 minu Source (Cat HB)	utes
Selected Value Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders - Cycle Time Factors Material: Stockpile:	within this Basic Material Descri M Unadjusted Bas Material up to Conveyor or c	c Rating: <u>NA</u> ption: aneuver: <u>NA</u> sic Loader Cycle Ti <u>o 1/8" diameter 0.02</u> dozer piled 10 ft. hig	gh and up 0.00	naneuver):0 Factor (min.) 0.020 0.000	0.550 minu Source (Cat HB) (Cat HB)	ites
Selected Value Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders - Cycle Time Factors Material: Stockpile: Truck Ownership:	within this Basic Material Descri M Unadjusted Bas Material up to Conveyor or c Common own	c Rating: NA ption: aneuver: NA sic Loader Cycle Ti o 1/8" diameter 0.02 dozer piled 10 ft. hig nership of trucks and	gh and up 0.00	naneuver): 0 Factor (min.) 0.020	0.550 minu Source (Cat HB) (Cat HB) (Cat HB)	utes
Selected Value Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders - Cycle Time Factors Material: Stockpile:	within this Basic Material Descri M Unadjusted Bas Material up to Conveyor or c	c Rating: NA ption:	gh and up 0.00	naneuver):0 Factor (min.) 0.020 0.000 -0.040	0.550 minu Source (Cat HB) (Cat HB)	ites
Selected Value Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders - Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	within this Basic Material Descri M Unadjusted Bas Material up to Conveyor or c Common own Constant oper	c Rating: NA ption:	gh and up 0.00	maneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040	0.550 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	utes
Selected Value Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders - Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	within this Basic Material Descri M Unadjusted Bas Material up to Conveyor or c Common own Constant oper	c Rating: NA ption: aneuver: NA sic Loader Cycle Ti o 1/8" diameter 0.02 dozer piled 10 ft. hig nership of trucks and ation -0.04 et 0.00 Net Cycle Tin Adjusted Load	gh and up 0.00 d loaders -0.04 me Adjustment: der Cycle Time:	maneuver): 0 Factor (min.) 0.020 0.000 -0.040 0.000 -0.060 0.490	0.550 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	Ites
Selected Value Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders - Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	within this Basic Material Descri M Unadjusted Bas Material up to Conveyor or c Common own Constant oper	c Rating: NA ption: aneuver: NA sic Loader Cycle Ti o 1/8" diameter 0.02 dozer piled 10 ft. hig nership of trucks and ation -0.04 et 0.00 Net Cycle Tin Adjusted Load	gh and up 0.00 d loaders -0.04 me Adjustment:	naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	0.550 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	utes
Selected Value Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders - Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	within this Basic Material Descri M Unadjusted Bas Material up to Conveyor or c Common own Constant oper	c Rating: NA ption: aneuver: NA sic Loader Cycle Ti o 1/8" diameter 0.02 dozer piled 10 ft. hig nership of trucks and ation -0.04 et 0.00 Net Cycle Tin Adjusted Load	gh and up 0.00 d loaders -0.04 me Adjustment: der Cycle Time:	maneuver): 0 Factor (min.) 0.020 0.000 -0.040 0.000 -0.060 0.490	0.550 minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	utes
Selected Value - Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders - Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	within this Basic Material Descri M Unadjusted Bas Material up to Conveyor or c Common own Constant oper Nominal targe	c Rating: NA ption: aneuver: NA sic Loader Cycle Ti o 1/8" diameter 0.02 dozer piled 10 ft. hig nership of trucks and ation -0.04 et 0.00 Net Cycle Tin Adjusted Load	gh and up 0.00 d loaders -0.04 me Adjustment: der Cycle Time: Fime per Truck:	maneuver): 0 Factor (min.) 0.020 0.000 -0.040 0.000 -0.060 0.490	0.550 minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Selected Value - Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders - Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time:	within this Basic Material Descri M Unadjusted Bas Material up to Conveyor or c Common own Constant oper Nominal targe	c Rating: NA ption: aneuver: NA sic Loader Cycle Ti o 1/8" diameter 0.02 dozer piled 10 ft. hig nership of trucks and ation -0.04 et 0.00 Net Cycle Tin Adjusted Load Net Load T	gh and up 0.00 d loaders -0.04 me Adjustment: der Cycle Time: Time per Truck:	maneuver):0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.490 1.570	0.550 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	
Selected Value - 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 Basic Material Descri M Unadjusted Bas Unadjusted Bas Material up to Conveyor or c Common own Constant oper Nominal targe	c Rating: NA ption:	gh and up 0.00 d loaders -0.04 me Adjustment: der Cycle Time: Time per Truck: Adjusted Adjusted	naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.490 1.570 for site altitude:	0.550 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes 0.700	Minute: Minute:
Selected Value - 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 Basic Material Descri M Unadjusted Bas Material up to Conveyor or c Common own Constant oper Nominal targe	c Rating: NA ption: aneuver: NA sic Loader Cycle Ti o 1/8" diameter 0.02 dozer piled 10 ft. high nership of trucks and ation -0.04 et 0.00 Net Cycle Tin Adjusted Load Net Load T Minutes Minutes Minutes	gh and up 0.00 d loaders -0.04 me Adjustment: der Cycle Time: Fime per Truck: Adjusted Adjusted Adjusted	naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.490 1.570 for site altitude: for site altitude:	0.550 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) 0.700 1.570 1.100	 Minute

Haul Rou	ite:							
Seg #	Haul E (Ft)	Distance	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)	
1	500.00		0.00	3.00	3.00	2626	0.547	
					Haul Time:	0.547	minutes	
Return Re								
Seg #	Haul E (Ft)	Distance	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)	
1	500.00		0.00	3.00	3.00	3087	0.305	
				Total Tru	Return Time: ck Cycle Time:		minutes minutes	
Loading Too Produ Truck Unit Produ	uction	773.13	LCY/Hour			ob efficiency:	641.70	LCY/Hour
	_	415.68	LCY/Hour		Adjusted for j	ob efficiency:	345.01	LCY/Hour
Optimal No. of Tr	rucks:	2	Truck(s)		Selected Num	ber of Trucks:	2	Truck(s)
				le truck/loade	k team production er team production er team production	on: 641	.70 LCY/	Hour
JOB TI	ME AN	D COST						
Fleet	size:	1	Team(s)	-	Fotal job time:	1.81	Ηοι	ırs
Unit	cost:	\$1.219	/LCY		Total job cost:	\$1,41	5	

Page 1 of 2

Task description:	Southwest topsoil shapir	ng			
: <u>Montoya Pit</u>	Permit Acti	on:	2024-06-26	Permit/Job#:	M1980146
PROJECT IDENTIF	TCATION				
Task #: 04B	State: Color	ado		Abbreviation:	None
Date: 6/26/2024	County: La Pla			Filename:	M146-04b
User: DMC					
Agency or orga	nization name: DRMS				
HOURLY EQUIPMI					
	t D10T - 10SU				
Horsepower: 57					
×1	mi-Universal				
Attachment: NA					
	per day				
	RG)				
Cost Breakdown:					
			<u>Utilization %</u>		
Ownership Cost/Hour:	\$257.		NA		
Operating Cost/Hour:	\$196.		100		
Ripper own. Cost/Hour:	\$0.		NA		
Ripper op. Cost/Hour:	\$0.		0		
~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~					
Operator Cost/Hour: Total unit Cost/Hour: Total Elect Cost/Hour:	\$38. \$492.91 \$492.91	.59	NA		
-	\$492.91 \$492.91	.59	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume:1.16	\$492.91 \$492.91 FITIES 51	.59	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 1,16 Swell factor: 1.00	\$492.91 \$492.91 FITIES 51 00	.59	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 1,16 Swell factor: 1.00	\$492.91 \$492.91 FITIES 51	.59	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 1,16 Swell factor: 1.00 Loose volume: 1,16	\$492.91 \$492.91 FITIES 51 00 51 LCY	.59	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 1,16 Swell factor: 1.00	\$492.91 \$492.91 \$100 51 51 51 51 1 1 1.44 ac x 6"	.59	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 1,16 Swell factor: 1,00 Loose volume: 1,16 Source of estimated volu	\$492.91 \$492.91 FITIES 51 50 51 LCY ume: 1.44 ac x 6"	.59	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 1,16 Swell factor: 1,00 Loose volume: 1,16 Source of estimated volu	\$492.91 \$492.91 CITIES 51 00 51 LCY ume: 1.44 ac x 6" Il factor: Cat Handbook	.59	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 1,16 Swell factor: 1.00 Loose volume: 1,16 Source of estimated volu Source of estimated swel HOURLY PRODUCC	\$492.91 \$492.91 CITIES 51 50 51 50 51 51 51 50 51 51 50 51 51 51 51 51 51 51 51 51 51	.59	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 1,16 Swell factor: 1.00 Loose volume: 1,16 Source of estimated volu Source of estimated swel HOURLY PRODUC Average push distance:	\$492.91 \$492.91 SITIES 51 50 51 51 50 51 51 50 51 51 50 51 51 50 51 51 50 51 51 50 51 51 51 51 51 51 51 51 51 51	.59	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 1,16 Swell factor: 1.00 Loose volume: 1,16 Source of estimated volu Source of estimated swell HOURLY PRODUCC Average push distance: Unadjusted hourly product	\$492.91 \$492.91 FITIES 51 00 51 LCY ume: 1.44 ac x 6" Cat Handbook TION action: 100 feet 1,718.9 LCY/hr		NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 1,16 Swell factor: 1.00 Loose volume: 1,16 Source of estimated volu Source of estimated swel HOURLY PRODUC Average push distance:	\$492.91 \$492.91 FITIES 51 00 51 LCY ume: 1.44 ac x 6" Cat Handbook TION action: 100 feet 1,718.9 LCY/hr		NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 1,16 Swell factor: 1.00 Loose volume: 1,16 Source of estimated volu Source of estimated swell HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Stational	\$492.91 \$492.91 \$1 51 50 51 51 51 51 51 51 51 51 51 51 51 51 52 51 51 51 52 51 51 50 51 52 51 52 51 52 53 54 54 55 56 57 57 58 59 50 50 50 50 50 50 50 50 51 52 53 54 54 55 56		NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 1,16 Swell factor: 1,00 Loose volume: 1,16 Source of estimated volu Source of estimated swell HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de	\$492.91 \$492.91 \$1 51 50 51 51 51 51 51 51 51 51 51 51 51 52 51 51 52 51 51 50 51 51 52 51 52 51 52 53 54 54 55 56 57 58 59 50 50 50 51 52 53 54 54 54 55 56 57 57 58 59 50 50		NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 1,16 Swell factor: 1.00 Loose volume: 1,16 Source of estimated volu Source of estimated swell HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Stational	\$492.91 \$492.91 \$1 51 50 51 51 51 51 51 51 51 51 51 51 51 51 52 51 51 51 52 51 51 50 51 52 51 52 51 52 53 54 54 55 56 57 57 58 59 50 50 50 50 50 50 50 50 51 52 53 54 54 55 56		NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 1,16 Swell factor: 1.00 Loose volume: 1,16 Source of estimated volu Source of estimated swell HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude:	$\begin{array}{r} \$492.91 \\ \hline \$492.91 \\ \hline \$492.91 \\ \hline \\ \hline \\ \\ $				
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 1,16 Swell factor: 1.00 Loose volume: 1,16 Source of estimated volu Source of estimated volu Source of estimated swell HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average site altitude: Material weight: Weight description:	\$492.91 \$492.91 \$492.91 CITIES 51 00 51 LCY series 1.44 ac x 6" Il factor: Cat Handbook TION action: 1.718.9 LCY/hr scription: Loose stockpild 0 % 6,750 feet 1,600 lbs/LCY Top Soil				
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 1,16 Swell factor: 1.00 Loose volume: 1,16 Source of estimated volu Source of estimated volu Source of estimated swell HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction	\$492.91 \$492.91 \$492.91 51 50 51 50 51 52 53 54 54 55 56 57 57 57 57 57 57 57 57 57 57 57 57				
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 1,16 Swell factor: 1.00 Loose volume: 1,16 Source of estimated volu Source of estimated volu Source of estimated swell HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average site altitude: Material weight: Weight description:	$\begin{array}{r c c c c c c c c c c c c c c c c c c c$				
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 1,16 Swell factor: 1.00 Loose volume: 1,16 Source of estimated volu Source of estimated volu Source of estimated swell HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operator Operator	\$492.91 \$492.91 \$492.91 CITIES 51 00 51 LCY ume: 1.44 ac x 6" 11 factor: Cat Handbook TION action: 100 feet 1,718.9 LCY/hr scription: Loose stockpile 0% 6,750 feet 1,600 lbs/LCY Top Soil n Factor Skill: 0.750 skill: 0.750				

Task # 04B

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: 1,4	477.05 LCY/hr	
Adjusted fleet production: 14	77.05 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$0.334/LCY

Total job time:	0.79 Hours
Total job cost:	\$387

BULLDOZER RIPPING WORK

	Task description:	Rip pit floor			
Site	: <u>Montoya Pit</u>	Permit Actio	n: 2024-06-26	Permit/Job#	: M1980146
	PROJECT IDE	ENTIFICATION			
	Task #: $05A$ Date: $6/2$ User: DM	6/2024 County: La Plat		Abbreviation: Filename:	None M146-05a
		or organization name: DRMS			
		-			
		UIPMENT COST		11	67 A
	Ripper Atta	Machine: Cat D10T - 10SU achment: 3-Shank Ripper			574 per day CRG)
	Cost Breakdown:				
		Ormanitin Cast/II	** * *	Utilization %	
		Ownership Cost/Hour: Operating Cost/Hour:	\$257.39 \$196.93	<u>NA</u> 100	
	Rippe	er Ownership Cost/Hour:	\$25.02	NA	
	Ripp	er Operating Cost/Hour:	\$11.73	100	
		Operator Cost/Hour:	\$38.59	NA	
		Total Unit Cost/Hour:	\$529.66		
			\$529.66		
	MATERIAL Q	<u>UANTITIES</u>	Selected estimating n	nethod: Area	
	Alternate Method	<u>ls:</u>			
Seismic:	NA	Bank Volume		BCY	NA
Area:	25.12	acres Rip Depth (ft): 12.00	Volume: 486,323	BCY or CCY
		Source of estimated quantity:Op	erator		
	HOURLY PRO	DDUCTION			
	Seismic:				
		Seismic Velocity:	NA	feet/second	
	Area:				
		Average Ripping Depth:	2.87	feet/pass	
		Average Ripping Width: Average Ripping Length:	<u>8.67</u> 250.00	feet/pass feet/pass	
		Average Ripping Lengui	88.00	feet/minute	
		Average Maneuver Time:	0.25	minutes/pass	
		Production per unit area:	0.966	acres/hour	
	Job Condition Co	rrection Factors			
	Un	adjusted Hourly Unit Production:	0.966	Acres/hr	
		Site Altitude:	6,750	feet	
		Altitude Adj:	1.00	(CAT HB)	
		Job Efficiency:	0.83	(1 shift/day)	
		Net Correction:	0.83	multiplier	
		Adjusted Hourly Unit Production Adjusted Hourly Fleet Production		Acres/hr Acres/hr	
			011. 0.00		
	JOB TIME AN		Τ-4-1:1 4	21.22	II
	Fleet size:	1 Grader(s)	Total job time:	31.33	Hours
	Unit cost:	\$660.667 Per acre	Total job cost:	\$16,596	

TRUCK/LOADER TEAM WORK

	Task description:	Pit floor	· topsoil placeme	nt			
Site:	Montoya Pit		Permit Actio	on: <u>2024-06-26</u>		Permit/Job#: <u>M</u>	1980146
	PROJECT IDEN	NTIFICATION					
	Task #: 06A Date: 6/26/2 User: DMC		State: <u>Colora</u> County: <u>La Pla</u> ne: DRMS		Ab	breviation: <u>No</u> Filename: <u>M1</u>	ne 46-06a
	HOURLY EQUI	-			Shift bas	is: <u>1 per day</u>	
]	Equipment Descri	iption		
	7	Fruck Loader Tea	m -Truck: Cat	772	•		
_				Г 980Н			
	Supp	ort Equipment -L	Load Area: CA	Г 980Н			
—	Road M	laintenance –Mot					
			ter Truck: NA				
	Cost Breakdown:	Truck/Lo	ader Team	Support	Equipment	Maintenan	ce Equipment
	<u>Cost Di cakdown</u>	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
0/1 I+;	lization-machine:	100	100	100	NA	NA	NA
	ership cost/hour:	\$116.97	\$69.00	\$69.00	NA	NA	NA
	erating cost/hour:	\$82.54	\$60.57	\$60.57	NA	NA	NA
-	Utilization-riper:	NA	0	NA	NA	NA	NA
	er own. cost/hour:	NA	\$0.00	\$0.00	NA	NA	NA
	per op. cost/hour:	NA	\$0.00	\$0.00	NA	NA	NA
O	perator cost/hour:	\$25.24	\$36.85	\$36.85	NA	NA	NA
	Unit Subtotals:	\$224.75	\$166.42	\$166.42	NA	NA	NA
]	Number of Units:	2	1	1	0	0	0
	Group Subtotals:	Work:	\$615.92	Support:	\$166.42	Maint:	\$0.00
	Total work team co MATERIAL QU		<u>.</u>				
	Initial volume Loose volume		4 CCY LCY		factor: <u>1.000</u>		
		ource of estimated of estimated swe Material Purch To	ell factor: Cat H				
	HOURLY PRC	DUCTION					
	Truck Capacity: Truck Payload (wei Material y			Pounds/LCY			
	Desci	ription: Top Sc					
	Rated Pa			Pounds			
	Payload Ca	pacity: 58.06		LCY			

Truck Bed (volume) Basis:						
Struck Volume:	26.40	LCY				
Heaped Volume:	36.00	LCY				
Average Volume:	31.20	LCY				
Adjusted Volume:	36.00	LCY				
5 _						
Fina	ll Truck Volum	e Based on Numbe	er of Loader Passes:	29.25	LCY	
Loading Tool Capacity						
<u></u>			Buch	ket Size Class: N	T A	
Rated Capacity:	7.500	LCY (heape			11	_
Bucket Fill Factor:	0.975		ial - uniform aggregation	ates to 1/8" (95-10)	0%) 0 975	_
Adjusted Capacity:	7.313	LOOSE Mater			570) 0.975	_
5 1 5						
Job Condition Correction	<u>s:</u>		Site Altitude (ft.): 6	<u>6750</u> feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	1.000	(CAT HE	/		
Job Efficiency:	0.830	0.830	(CAT HE	3)		
Net Correction:	0.830	0.830				
Loading Tool Cycle Time	: Numbe	er of Loading Tool	Passes Required to	Fill Truck:	4 1	basses
Excavators and Front Shov	els:					
Machina Cruala Tima	va Joh Conditi	an Dating NA				
Machine Cycle Time Selected Value	vs. Job Condition within this Bas					
	within this Bas	sic Rating: NA				
Selected Value	within this Bas - Material Desc	sic Rating: NA				
Selected Value Track Loaders - Cycle Time Elements (min.	within this Bas - Material Desc):	sic Rating: NA		 Dump: 0.10	0	
Selected Value Track Loaders -	within this Bas - Material Desc):	sic Rating: NA		 Dump:0.100	0	
Selected Value Track Loaders - Cycle Time Elements (min.	within this Bas - Material Desc): 	sic Rating: NA rription: Maneuver: NA	Time (load, dump, r		0 0.550 min	utes
Selected Value Track Loaders - Cycle Time Elements (min. Load: <u>NA</u> Wheel and Track Loaders	within this Bas - Material Desc): 	sic Rating: NA rription: Maneuver: NA	Time (load, dump, r	naneuver):	0.550 min	utes
Selected Value Track Loaders - Cycle Time Elements (min. Load: NA	within this Bas - Material Desc): - Unadjusted B	sic Rating: <u>NA</u> pription: Maneuver: <u>NA</u> Basic Loader Cycle			0.550 min Source	utes
Selected Value Track Loaders - Cycle Time Elements (min. Load: <u>NA</u> Wheel and Track Loaders Cycle Time Factors	within this Bas - Material Desc): Unadjusted B Material up	sic Rating: NA rription: Maneuver: NA	02	naneuver):0 Factor (min.)	0.550 min	utes
Selected Value Track Loaders - Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material:	 within this Bas Material Desc): Unadjusted B Material up Conveyor or 	sic Rating: NA rription: Maneuver: NA Basic Loader Cycle to 1/8" diameter 0.	02 high and up 0.00	naneuver):0 Factor (min.) 0.020	0.550 min Source (Cat HB)	utes
Selected Value Track Loaders - Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile:	 within this Bas Material Desc): Unadjusted B Material up Conveyor or 	sic Rating: NA rription: Maneuver: NA Basic Loader Cycle to 1/8" diameter 0. r dozer piled 10 ft. vnership of trucks a	02 high and up 0.00	maneuver):0 Factor (min.) 0.020 0.000	0.550 min Source (Cat HB) (Cat HB)	utes
Selected Value Track Loaders - Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	 within this Bas Material Desc): Unadjusted B Material up Conveyor or Common ow 	sic Rating: NA ription: NA Maneuver: NA Basic Loader Cycle to 1/8" diameter 0. r dozer piled 10 ft. vnership of trucks a eration -0.04 get 0.00	02 high and up 0.00 and loaders -0.04	maneuver):0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	0.550 min Source (Cat HB) (Cat HB) (Cat HB)	utes
Selected Value Track Loaders - Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	 within this Bas Material Desc): Unadjusted B Unadjusted B Conveyor or Conveyor or Common ow Constant operation 	sic Rating: NA rription: Maneuver: NA Basic Loader Cycle to 1/8" diameter 0. r dozer piled 10 ft. vnership of trucks a eration -0.04 get 0.00 Net Cycle	02 high and up 0.00 and loaders -0.04 Time Adjustment:	maneuver):0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	0.550 min Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	utes
Selected Value Track Loaders - Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	 within this Bas Material Desc): Unadjusted B Unadjusted B Conveyor or Conveyor or Common ow Constant operation 	sic Rating: NA rription:	02 high and up 0.00 and loaders -0.04 Time Adjustment: pader Cycle Time:	maneuver): 0 Factor (min.) 0.020 0.000 -0.040 0.000 -0.060 0.490	0.550 min Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	utes
Selected Value Track Loaders - Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	 within this Bas Material Desc): Unadjusted B Unadjusted B Conveyor or Conveyor or Common ow Constant operation 	sic Rating: NA rription:	02 high and up 0.00 and loaders -0.04 Time Adjustment:	maneuver):0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	0.550 min Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	utes
Selected Value Track Loaders - Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	 within this Bas Material Desc): Unadjusted B Unadjusted B Conveyor or Conveyor or Common ow Constant operation 	sic Rating: NA rription:	02 high and up 0.00 and loaders -0.04 Time Adjustment: pader Cycle Time:	maneuver): 0 Factor (min.) 0.020 0.000 -0.040 0.000 -0.060 0.490	0.550 min Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	utes
Selected Value 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 Desc): Unadjusted B Material up Conveyor or Conveyor or Common ow Constant ope Nominal target 	sic Rating: NA rription:	02 high and up 0.00 and loaders -0.04 Time Adjustment: oader Cycle Time: d Time per Truck:	maneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.490 1.570	0.550 min Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Selected Value Track Loaders - Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time:	e:0.70	sic Rating: NA ription: NA Maneuver: NA Basic Loader Cycle to 1/8" diameter 0. to dozer piled 10 ft. vnership of trucks a eration -0.04 get 0.00 Net Cycle 7 Adjusted Loan Net Loan	02 high and up 0.00 and loaders -0.04 Time Adjustment: oader Cycle Time: d Time per Truck:	maneuver): 0 Factor (min.) 0.020 0.000 -0.040 0.000 -0.060 0.490	0.550 min Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	
Selected Value 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	e: 0.70 e: 1.570	sic Rating: NA ription: Maneuver: NA Basic Loader Cycle to 1/8" diameter 0. r dozer piled 10 ft. vnership of trucks a eration -0.04 get 0.00 Net Cycle 7 Adjusted Loo Net Load Minutes	02 high and up 0.00 and loaders -0.04 Time Adjustment: bader Cycle Time: d Time per Truck: Adjusted Adjusted	maneuver):0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.490 1.570 for site altitude:	0.550 min Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes 0.700	 Minutes
Selected Value Track Loaders - Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Exchange Tim Truck Load Tim	e: 0.70 e: 1.570	sic Rating: NA rription:	02 high and up 0.00 and loaders -0.04 Time Adjustment: bader Cycle Time: d Time per Truck: Adjusted Adjusted	maneuver):0 Factor (min.) 0.020 0.000 -0.040 0.000 -0.060 0.490 1.570 for site altitude: for site altitude:	0.550 min Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) 0.700 1.570	utes
Selected Value Track Loaders - Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Exchange Tim Truck Load Tim	e: 0.70 e: 1.10	sic Rating: NA rription:	02 high and up 0.00 and loaders -0.04 Time Adjustment: bader Cycle Time: d Time per Truck: Adjusted Adjusted	maneuver): 0 Factor (min.) 0.020 0.000 0.000 -0.040 0.000 -0.060 0.490 1.570 1.570	0.550 min Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) 0.700 1.570 1.100	 Minutes

Haul Rou	ite:							
Seg #	Haul I (Ft)	Distance	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)	
1	300.00)	0.00	3.00	3.00	2626	0.471	
					Haul Time:	0.471	minutes	
Return R	oute:				=			
Seg #	Haul I (Ft)	Distance	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)	
1	300.00)	0.00	3.00	3.00	3087	0.240	
	4				Return Time: ck Cycle Time:	0.240	minutes	
				Total IIu	ek Cycle Thile.	4.001	minutes	
Loading Too Prod Truck Unit Prod	uction	773.13	LCY/Hour		Adjusted for j	ob efficiency:	641.70	LCY/Hour
	-	430.04	LCY/Hour		Adjusted for j	ob efficiency:	356.93	LCY/Hour
Optimal No. of T	rucks:	2	Truck(s)		Selected Num	ber of Trucks:	2	Truck(s)
				le truck/loade	k team production er team production er team production	on: 641	.70 LCY/H	our
JOB TI	ME AN	D COST						
Fleet	size:	1	Team(s)	-	Fotal job time:	31.58	8 Hour	s
Unit	cost:	\$1.219	/LCY		Total job cost:	\$24,70	05	

Page 1 of 2

Task descripti	ion:	Pit floor topsoil	shaping			
e: <u>Montoya</u> P	Pit	Pe	rmit Action:	2024-06-26	Permit/Job#:	M1980146
PROJECT	IDENTIFI	CATION				
Task #:	06B	State:	Colorado		Abbreviation:	None
	6/26/2024	County:	La Plata		Filename:	M146-06b
User:	DMC	·				
Ager	ncy or orgar	nization name: <u>D</u>	RMS			
HOURLY F	EQUIPME	NT COST				
Basic Macl		D10T - 10SU				
Horsepo						
Blade T	• I	ni-Universal				
Attachn						
Shift B		er day				
Data Sou	urce: (CR	(G)				
Cost Breakdov	wn:					
				Utilization %		
Ownership (Cost/Hour:		\$257.39	NA		
Operating O	Cost/Hour:		\$196.93	100		
Ripper own. C			\$0.00	NA		
Ripper op. C	Cost/Hour:		\$0.00	0		
Operator O	Cost/Hour:		\$38.59	NA		
MATERIAI Initial Volu Swell fac	me: 20,20 tor: 1.00	64 0				
Loose volu	me: 20,2	64 LCY				
Source of estin						
HOURLY P	PRODUCT	TION				
Average push Unadjusted ho		<u>100 feet</u> tion: <u>1,718.9 L0</u>	CY/hr			
Materials cons						
	sistency des	cription: Loose	stockpile 1.2			
Average push Average site a	gradient:	cription: Loose 0 % 6,750 feet	stockpile 1.2			
	gradient: altitude:	0 %	stockpile 1.2			
Average site a	gradient: altitude: ht:	0 % 6,750 feet	stockpile 1.2			
Average site a Material weig	gradient: altitude: .ht: .ption:	0 % 6,750 feet 1,600 lbs/LCY Top Soil	stockpile 1.2	Source		
Average site a Material weig Weight descri Job Condition	gradient: altitude: ht: ption: <u>Correction</u>	0 % 6,750 feet 1,600 lbs/LCY Top Soil <u>Factor</u> Skill:(0.750	Source (AVG.)		
Average site a Material weig Weight descri Job Condition Mate	gradient: altitude: ht: ption: <u>Correction</u> Operator S erial consiste	0 % 6,750 feet 1,600 lbs/LCY Top Soil <u>Factor</u> Skill:	0.750	Source (AVG.) (CAT HB)		
Average site a Material weig Weight descri Job Condition Mate	gradient: altitude: ht: ption: <u>Correction</u>	0 % 6,750 feet 1,600 lbs/LCY Top Soil Factor Skill: (ency: 1 thod: 1	0.750	Source (AVG.)		

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: 1,	477.05 LCY/hr	
Adjusted fleet production: 14	77.05 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$0.334/LCY

Total job time:	13.72 Hours
Total job cost:	\$6,762

REVEGETATION WORK

Task description: Se		Seed disturbed areas			
te: <u>Montoya Pit</u>		Permit Action:	2024-06-26	Permit/Job	o#: <u>M1980146</u>
PROJECT	IDENTIFIC	CATION			
Task #:	07A	State: Colorado		Abbreviation:	None
Date:	6/26/2024	County: La Plata		Filename:	M146-07a
User:	DMC				

FERTILIZING

Materials

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

Application

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

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Bitterbrush, Antelope	2.00	0.62	\$113.03
Indian Ricegrass - Native	2.00	6.47	\$34.58
Chokecherry	2.00	0.14	\$98.92
Western Wheatgrass - Arriba	4.00	10.10	\$36.13
Sagebrush, Mountain or Big	0.15	7.92	\$12.40
Flax, Lewis Blue	0.15	1.00	\$6.34
Yarrow, White	1.00	63.59	\$73.39
Totals Seed Mix	11.30	89.83	\$374.80

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
Weed spray, hand, non-aquatic area, nox. [DMG]		\$209.61
	Total Mulch Application Cost/Acre	\$294.98

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

Fstimat	No. of Acres: ed Failure Rate:		Cost /Acre: Cost /Acre*:	
		TILLING,SEEDIN		\$2,009.39
Initial Job Cost:	,			
Reseeding Job Cost:	\$14,239.95			
Total Job Cost:	\$85,440			
Job Hours:	35.00			

Task description:	Southwest slope shaping on			
Montoya Pit	Permit Action:	2024-06-26	Permit/Job#:	M1980146
PROJECT IDENTIFIC	ATION			
Task #: 08A	State: Colorado		Abbreviation:	None
Date: $6/26/2024$	County: La Plata		Filename:	M146-08a
User: DMC			i nename.	W1140-00a
	ation name: DRMS			
Agency or organiza	ation name. DRMS			
HOURLY EQUIPMEN	<u>Г COST</u>			
Basic Machine: Cat D	10T - 10SU			
Horsepower: 574				
	Universal			
Attachment: NA				
Shift Basis: 1 per c	,			
Data Source: (CRG)				
Cost Breakdown:		TT. 11		
Oran and ' C 4/II	ФО СТ 00	Utilization %		
Ownership Cost/Hour:	\$257.39	NA 100		
Operating Cost/Hour:	\$196.93	100 NA		
Ripper own. Cost/Hour:	\$0.00	NA		
Ripper op. Cost/Hour:	\$0.00	0		
Operator Cost/Hours		NT A		
Total Fleet Cost/Hour:	\$38.59 \$492.91 \$ 492.91 TES	NA		
Total unit Cost/Hour:	6492.91 6 492.91	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANTIT Initial Volume:21,120	5492.91 5492.91 TIES			
Total unit Cost/Hour: \$ Total Fleet Cost/Hour: \$ MATERIAL QUANTIT Initial Volume: 21,120 Swell factor: 1.250 Loose volume: 26,400	5492.91 5492.91 TES LCY			
Total unit Cost/Hour: <u>\$</u> Total Fleet Cost/Hour: <u>\$</u> MATERIAL QUANTIT Initial Volume: <u>21,120</u> Swell factor: <u>1.250</u>	3492.91 3492.91 TIES LCY : 2.23 ac			
Total unit Cost/Hour: \$ Total Fleet Cost/Hour: \$ MATERIAL QUANTIT Initial Volume: 21,120 Swell factor: 1.250 Loose volume: 26,400 Source of estimated volume:	5492.91 5492.91 TES LCY 2.23 ac			
Total unit Cost/Hour: \$ Total Fleet Cost/Hour: \$ MATERIAL QUANTIT Initial Volume: 21,120 Swell factor: 1.250 Loose volume: 26,400 Source of estimated volume:	6492.91 6492.91 TES LCY : 2.23 ac ctor: 2.23 ac			
Total unit Cost/Hour: \$ Total Fleet Cost/Hour: \$ MATERIAL QUANTIT Initial Volume: 21,120 Swell factor: 1.250 Loose volume: 26,400 Source of estimated volume: Source of estimated swell factor: HOURLY PRODUCTIC	6492.91 6492.91 TES LCY ctor: 2.23 ac Cat Handbook DN			
Total unit Cost/Hour: \$ Total Fleet Cost/Hour: \$ MATERIAL QUANTIT Initial Volume: 21,120 Swell factor: 1.250 Loose volume: 26,400 Source of estimated volume: Source of estimated swell factor: HOURLY PRODUCTIC Average push distance:	6492.91 6492.91 TES LCY : 2.23 ac ctor: Cat Handbook DN 60 feet			
Total unit Cost/Hour: § Total Fleet Cost/Hour: § MATERIAL QUANTIT Initial Volume: 21,120 Swell factor: 1.250 Loose volume: 26,400 Source of estimated volume: Source of estimated swell factor: HOURLY PRODUCTIC Average push distance: Unadjusted hourly production	6492.91 6492.91 TES LCY : 2.23 ac ctor: Cat Handbook DN 60 feet pn: 2,551.3 LCY/hr			
Total unit Cost/Hour: \$ Total Fleet Cost/Hour: \$ MATERIAL QUANTIT Initial Volume: 21,120 Swell factor: 1.250 Loose volume: 26,400 Source of estimated volume: Source of estimated swell fa HOURLY PRODUCTIO Average push distance: Unadjusted hourly productio Materials consistency description	6492.91 6492.91 TES LCY ctor: 2.23 ac ctor: Cat Handbook DN 60 feet 2,551.3 LCY/hr ption: Compacted fill or			
Total unit Cost/Hour: \$ Total Fleet Cost/Hour: \$ MATERIAL QUANTIT Initial Volume: 21,120 Swell factor: 1.250 Loose volume: 26,400 Source of estimated volume: Source of estimated swell fa HOURLY PRODUCTIO Average push distance: Unadjusted hourly productio Materials consistency descrip Average push gradient: 0	6492.91 6492.91 TES LCY : 2.23 ac ctor: Cat Handbook DN 60 feet pn: 2,551.3 LCY/hr			
Total unit Cost/Hour: \$ Total Fleet Cost/Hour: \$ MATERIAL QUANTIT Initial Volume: 21,120 Swell factor: 1.250 Loose volume: 26,400 Source of estimated volume: Source of estimated swell factor: HOURLY PRODUCTIC Average push distance: Unadjusted hourly production Materials consistency description Average push gradient: 0 Average site altitude: 6	6492.91 6492.91 IES LCY ctor: 2.23 ac ctor: Cat Handbook DN 60 feet ption: 2,551.3 LCY/hr ption: Compacted fill or 0 %			
Total unit Cost/Hour: \$ Total Fleet Cost/Hour: \$ MATERIAL QUANTIT Initial Volume: 21,120 Swell factor: 1.250 Loose volume: 26,400 Source of estimated volume: Source of estimated swell factor: MOURLY PRODUCTIO Average push distance: Unadjusted hourly productio Materials consistency descrip Average site altitude: 6 Material weight: 2	6492.91 6492.91 IES LCY ctor: 2.23 ac ctor: Cat Handbook DN 60 feet pn: 2,551.3 LCY/hr ption: Compacted fill or 0% 6,750 feet			
Total unit Cost/Hour: \$ Total Fleet Cost/Hour: \$ MATERIAL QUANTIT Initial Volume: 21,120 Swell factor: 1.250 Loose volume: 26,400 Source of estimated volume: Source of estimated swell factor: MOURLY PRODUCTIO Average push distance: Unadjusted hourly productio Materials consistency descrip Average site altitude: 6 Material weight: 2	6492.91 6492.91 IES LCY ctor: 2.23 ac ctor: Cat Handbook DN 60 feet pn: 2,551.3 LCY/hr ption: Compacted fill or 0%			
Total unit Cost/Hour: \$ Total Fleet Cost/Hour: \$ MATERIAL QUANTIT Initial Volume: 21,120 Swell factor: 1.250 Loose volume: 26,400 Source of estimated volume: 26,400 Source of estimated volume: 3 Source of estimated volume: 4 MOURLY PRODUCTIO 4 Average push distance: 4 Unadjusted hourly production 4 Materials consistency description: 6 Material weight: 2 Weight description: 1 Job Condition Correction Fa 0	3492.91 3492.91 IES LCY c $2.23 ac$ ctor: Cat Handbook DN $60 feet$ $2,551.3 LCY/hr$ ption: Compacted fill or $0%$ $6,750 feet$ $2,550 lbs/LCY$ Earth - Dry packed actor $11:$ 0.750			
Total unit Cost/Hour: \$ Total Fleet Cost/Hour: \$ MATERIAL QUANTIT Initial Volume: 21,120 Swell factor: 1.250 Loose volume: 26,400 Source of estimated volume: Source of estimated volume: Source of estimated swell factor: HOURLY PRODUCTIO Average push distance: Unadjusted hourly production Materials consistency description: Average site altitude: 0 Material weight: 2 Up Condition Correction Factor 0 Operator Ski Material consistence	6492.91 6492.91 IES LCY : 2.23 ac ctor: Cat Handbook DN on: 60 feet 2,551.3 LCY/hr ption: Compacted fill or 0% 5,750 feet 2,550 lbs/LCY Earth - Dry packed ctor 11: 0.750 :y: 0.900			
Total unit Cost/Hour: \$ Total Fleet Cost/Hour: \$ MATERIAL QUANTIT Initial Volume: 21,120 Swell factor: 1.250 Loose volume: 26,400 Source of estimated volume: 26,400 Source of estimated volume: 3 Source of estimated volume: 4 MOURLY PRODUCTIO 4 Average push distance: 4 Unadjusted hourly production 4 Materials consistency description: 6 Material weight: 2 Weight description: 1 Job Condition Correction Fa 0	6492.91 6492.91 IES LCY : 2.23 ac ctor: Cat Handbook DN 60 feet on: 2,551.3 LCY/hr ption: Compacted fill or 0%			

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	: 0.902	(CAT HB)
Blade type	: 1.000	(PAT)
Net correction	: 0.3234	
Adjusted unit production:	825.09 LCY/hr	
Adjusted fleet production:	825.09 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$0.597/LCY

Total job time:	32.00 Hours
Total job cost:	\$15,771

Task description:			0-0-0-0-00	hern mining hole		
Montoya Pit		Perr	nit Action:	2024-06-26	Permit/Job#:	M1980146
PROJECT IDENT	TIFICATIO	N				
Task #: 09A		State:	Colorado		Abbreviation:	None
Date: $6/26/20$)24	County:	La Plata		Filename:	M146-09a
User: DMC		county.	Lu I luu		-	111110 094
Agency or o	organization na	ame: <u>DR</u>	RMS			
HOURLY EQUIP	MENT COS	<u>5T</u>				
	Cat D10T - 1	0SU				
Horsepower:	574					
Blade Type:	Semi-Univers	sal				
	NA					
	1 per day					
Data Source:	(CRG)					
Cost Breakdown:						
				Utilization %		
Ownership Cost/Hor	ur:		\$257.39	NA		
Operating Cost/Hor			\$196.93	100		
Ripper own. Cost/Ho			\$0.00	NA		
Ripper op. Cost/Hor	ur:		\$0.00	0		
			\$38.59	NA		
Operator Cost/Hor	ur:		φ50.57			
-			<i>\$50.57</i>	1111		
Total unit Cost/Hour:	\$492.91		\$20107			
-	\$492.91		<i>\\</i>			
Total unit Cost/Hour:	\$492.91		<i>450.05</i>			
Fotal unit Cost/Hour: Fotal Fleet Cost/Hour	\$492.91 r: \$492.91					
Fotal unit Cost/Hour: Fotal Fleet Cost/Hour MATERIAL QUA	\$492.91 r: \$492.91					
Fotal unit Cost/Hour: Fotal Fleet Cost/Hour MATERIAL QUA Initial Volume:1	\$492.91 r: \$492.91 NTITIES 158,400					
Fotal unit Cost/Hour: Fotal Fleet Cost/Hour MATERIAL QUA Initial Volume:1 Swell factor:1	\$492.91 r: \$492.91 ANTITIES 158,400 1.250					
Fotal unit Cost/Hour: Fotal Fleet Cost/Hour MATERIAL QUA Initial Volume:1 Swell factor:1	\$492.91 r: \$492.91 NTITIES 158,400					
Fotal unit Cost/Hour: Total Fleet Cost/Hour MATERIAL QUA Initial Volume: 1 Swell factor: 1 Loose volume: 1	\$492.91 r: \$492.91 ANTITIES 158,400 1.250 198,000 LCY					
Fotal unit Cost/Hour: Fotal Fleet Cost/Hour MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated v	\$492.91 r: \$492.91 ANTITIES 158,400 1.250 198,000 LCY volume:	4.78 ac				
Fotal unit Cost/Hour: Total Fleet Cost/Hour MATERIAL QUA Initial Volume: 1 Swell factor: 1 Loose volume: 1	\$492.91 r: \$492.91 ANTITIES 158,400 1.250 198,000 LCY volume:					
Fotal unit Cost/Hour: Total Fleet Cost/Hour MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated v Source of estimated s	\$492.91 r: \$492.91 NTITIES 158,400 1.250 198,000 LCY volume: swell factor:	4.78 ac				
Fotal unit Cost/Hour: Fotal Fleet Cost/Hour MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated v	\$492.91 r: \$492.91 NTITIES 158,400 1.250 198,000 LCY volume: swell factor:	4.78 ac				
Fotal unit Cost/Hour: Total Fleet Cost/Hour MATERIAL QUA Initial Volume: Initial Volume: Swell factor: Loose volume: Gource of estimated v Source of estimated s	<pre>\$492.91 r: \$492.91 nr: \$492.91 NTITIES 158,400 1.250 198,000 LCY rolume: well factor: UCTION</pre>	4.78 ac				
Fotal unit Cost/Hour: Total Fleet Cost/Hour MATERIAL QUA Initial Volume: 1 Swell factor: 1 Loose volume: 1 Source of estimated v Source of estimated s	<pre>\$492.91 r: \$492.91 r: \$492.91 ANTITIES 158,400 1.250 198,000 LCY rolume: swell factor: UCTION re:7</pre>	4.78 ac Cat Hand	 book			
Fotal unit Cost/Hour: Total Fleet Cost/Hour MATERIAL QUA Initial Volume: 1 Swell factor: 1 Loose volume: 1 Source of estimated v Source of estimated s HOURLY PRODU Average push distanc	\$492.91 r: \$492.91 ANTITIES 158,400 1.250 198,000 LCY volume: well factor: <u>UCTION</u> ce: 7 oduction: 2	4.78 ac Cat Hand 5 feet ,105.3 LC	book			
Fotal unit Cost/Hour: Total Fleet Cost/Hour MATERIAL QUA Initial Volume: Initial Volume: Swell factor: Loose volume: Source of estimated v Source of estimated s HOURLY PRODU Average push distanc Jnadjusted hourly pro	\$492.91 r: \$492.91 ANTITIES 158,400 1.250 198,000 LCY volume: well factor: <u>UCTION</u> ce: 7 oduction: 2	4.78 ac Cat Hand 5 feet ,105.3 LC	book			
Fotal unit Cost/Hour: Total Fleet Cost/Hour MATERIAL QUA Initial Volume: Initial Volume: Swell factor: Loose volume: Source of estimated v Source of estimated s HOURLY PRODU Average push distanc Jnadjusted hourly pro	\$492.91 r: \$492.91 xnTITIES 158,400 1.250 198,000 LCY volume: well factor: well factor: 0 volume: well factor: 0 y description:	4.78 ac Cat Hand 5 feet ,105.3 LC	book			
Fotal unit Cost/Hour: Total Fleet Cost/Hour MATERIAL QUA Initial Volume: Initial Volume: Swell factor: Loose volume: Source of estimated v Source of estimated s HOURLY PRODU Average push distanc Jnadjusted hourly pro Materials consistency	\$492.91 r: \$492.91 xnTITIES 158,400 1.250 198,000 LCY volume: well factor: UCTION ve: 7 oduction: 2 v description: nt: 0 %	4.78 ac Cat Hand 5 feet ,105.3 LCY Compar	book			
Total unit Cost/Hour: Total Fleet Cost/Hour MATERIAL QUA Initial Volume: 1 Swell factor: 1 Loose volume: 1 Source of estimated v Source of estimated s HOURLY PRODU Average push distanc Jnadjusted hourly pro- Materials consistency	\$492.91 r: \$492.91 xnTITIES 158,400 1.250 198,000 LCY volume: well factor: UCTION ve: 7 oduction: 2 v description: nt: 0 %	4.78 ac Cat Hand 5 feet ,105.3 LCY Compar	book			
Total unit Cost/Hour: Total Fleet Cost/Hour MATERIAL QUA Initial Volume: 1 Swell factor: 1 Loose volume: 1 Source of estimated v Source of estimated s HOURLY PRODU Average push distanc Jnadjusted hourly pro- Materials consistency	\$492.91 r: \$492.91 xnTITIES 158,400 1.250 198,000 LCY volume: well factor: UCTION ve: 7 oduction: 2 v description: nt: 0 %	4.78 ac Cat Hand 5 feet ,105.3 LC Compace	book			
Fotal unit Cost/Hour: Total Fleet Cost/Hour MATERIAL QUA Initial Volume: Swell factor: Loose volume: Dource of estimated v Source of estimated s HOURLY PRODU Average push distanc Jnadjusted hourly providentials consistency Average push gradient	$\frac{$492.91}{$492.91}$ r: \$492.91 NTITIES 158,400 1.250 198,000 LCY volume:	4.78 ac Cat Hand 5 feet ,105.3 LC Compace	 book Y/hr cted fill or en			
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Total unit Cost/Hour: Total Fleet Cost/Hour MATERIAL QUA Initial Volume: 1 Swell factor: 1 Loose volume: 1 Source of estimated v Source of estimated v Source of estimated s HOURLY PRODU Average push distancy Materials consistency Average push gradien Average site altitude: Material weight: Weight description: ob Condition Correc	\$492.91 r: \$492.91 NTITIES 158,400 1.250 198,000 LCY volume: well factor: <u>UCTION</u> ve: 7 oduction: 2 v description: nt: 0 %	4.78 ac Cat Hand 5 feet ,105.3 LCY Compace eet ps/LCY Dry packed	 book Y/hr cted fill or en	 mbankment 0.9		
Total unit Cost/Hour: Total Fleet Cost/Hour MATERIAL QUA Initial Volume: 1 Swell factor: 1 Loose volume: 1 Source of estimated v Source of estimated v Source of estimated s HOURLY PRODU Average push distanc Jnadjusted hourly provent Average push gradient Average push gradient Average site altitude: Material weight: Weight description: OD Condition Correc Opera	\$492.91 r: \$492.91 xnTITIES 158,400 1.250 198,000 LCY volume: well factor: well factor: 0 volume: well factor: 0 volume: 0 2 volume: 2 2 volue: 2	4.78 ac Cat Hand 5 feet ,105.3 LCY Compace eet ps/LCY Dry packed 0.	 book Y/hr cted fill or en 1			
Total unit Cost/Hour: Total Fleet Cost/Hour MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated v Source of estimated v Source of estimated s HOURLY PRODU Average push distanc Jnadjusted hourly provide Materials consistency Average push gradient Average site altitude: Material weight: Weight description: Opera Material con	\$492.91 r: \$492.91 xnTITIES 158,400 1.250 198,000 LCY volume: well factor: well factor: 0 volume: well factor: 0 volume: 0 2 volume: 2 2 volue: 2	4.78 ac Cat Hand 5 feet ,105.3 LCY Compace eet bs/LCY Dry packed 0.' 0.'	 			

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:	0.902	(CAT HB)
Blade type:	1.000	(PAT)
Net correction:	0.4043	
Adjusted unit production: 8	51.17 LCY/hr	
Adjusted fleet production: 8	51.17 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$0.579/LCY

Total job time:	232.62 Hours
Total job cost:	\$114,660

Task # 10A

Page 1 of 2

Task description:		•	ast of stationary crusher		
Montoya Pit	Peri	mit Action:	2024-06-26	Permit/Job#:	M1980146
PROJECT IDENTIF	ICATION				
Task #: 10A	State:	Colorado		Abbreviation:	None
Date: $6/26/2024$	State: County:	La Plata		Filename:	M146-10a
User: DMC	County.	La Tlata		i nename.	W1140-10a
Agency or organ	nization name: DR	RMS			
HOURLY EQUIPME	<u>INT COST</u>				
	D10T - 10SU				
Horsepower: 574					
	ni-Universal				
Attachment: NA					
	er day				
Data Source: (CF	RG)		_		
<u>Cost Breakdown</u> :		I	TT/11 / 0/		
Orren anal-in- Ca- 4/II		¢257.20	Utilization %		
Ownership Cost/Hour:		\$257.39	NA		
Operating Cost/Hour:		\$196.93	100		
Ripper own. Cost/Hour:		\$0.00	NA		
Ripper op. Cost/Hour:		\$0.00	0		
Operator Cost/Hour:		\$38.59	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour:	\$492.91 \$492.91 ITIES				
Total unit Cost/Hour:	\$492.91 <u>ITIES</u> 0				
Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUANT</u> Initial Volume: 7,92 Swell factor: 1.25	\$492.91 <u>ITIES</u> 0				
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 7,92 Swell factor: 1.25 Loose volume: 9,90	\$492.91 ITIES 0 0 0 0 LCY				
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 7,92 Swell factor: 1.25 Loose volume: 9,90 Source of estimated volum	\$492.91 ITIES 0 0 0 LCY ne:75 ac				
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 7,92 Swell factor: 1.25 Loose volume: 9,90	\$492.91 ITIES 0 0 0 LCY ne:75 ac	 book			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 7,92 Swell factor: 1.25 Loose volume: 9,90 Source of estimated volum	\$492.91 ITIES 0 0 0 LCY ne: .75 ac factor: Cat Hand	 book			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 7,92 Swell factor: 1.25 Loose volume: 9,90 Source of estimated volu Source of estimated swell HOURLY PRODUCT	\$492.91 ITIES 0 0 0 LCY ne:75 ac 1 factor:Cat Hand FION	 book			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 7,92 Swell factor: 1.25 Loose volume: 9,90 Source of estimated volu Source of estimated volu Source of estimated swell HOURLY PRODUCT Average push distance:	\$492.91 ITIES 0 0 0 LCY ne:75 ac Cat Hand CION 50 feet				
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 7,92 Swell factor: 1.25 Loose volume: 9,90 Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly produc	\$492.91 ITIES 0 </td <td>Y/hr</td> <td></td> <td></td> <td></td>	Y/hr			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 7,92 Swell factor: 1.25 Loose volume: 9,90 Source of estimated volu Source of estimated volu Source of estimated swell HOURLY PRODUCT Average push distance:	\$492.91 ITIES 0 </td <td>Y/hr</td> <td> mbankment 0.9</td> <td></td> <td></td>	Y/hr	 mbankment 0.9		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 7,92 Swell factor: 1.25 Loose volume: 9,90 Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly produc	\$492.91 ITIES 0 </td <td>Y/hr</td> <td></td> <td></td> <td></td>	Y/hr			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 7,92 Swell factor: 1.25 Loose volume: 9,90 Source of estimated volur Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly produc Materials consistency des Average push gradient:	\$492.91 ITIES 0	Y/hr			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 7,92 Swell factor: 1.25 Loose volume: 9,90 Source of estimated volur Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency des Average push gradient: Average site altitude:	\$492.91 ITIES 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 factor:	Y/hr cted fill or er			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 7,92 Swell factor: 1.25 Loose volume: 9,90 Source of estimated volum Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency des Average push gradient: Average site altitude: Material weight:	\$492.91 ITIES 0 0 0 0 0 0 0 0 0 0 0 0 0 1 factor:	Y/hr cted fill or er			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 7,92 Swell factor: 1.25 Loose volume: 9,90 Source of estimated volum Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency des Average push gradient: Average site altitude: Material weight: Weight description:	\$492.91 ITIES 0 0 0 0 0 0 0 0 0 0 0 0 0 1 factor:	Y/hr cted fill or er	 mbankment 0.9		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 7,92/ Swell factor: 1.25/ Loose volume: 9,900 Source of estimated volur Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency des Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction	\$492.91 ITIES 0 0 0 0 0 0 0 0 0 0 0 0 0 1 factor:	Y/hr cted fill or er 1 750 900			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 7,92 Swell factor: 1.25 Loose volume: 9,90 Source of estimated volum Source of estimated volum Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency des Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operator S	\$492.91 ITIES 0 0 0 0 0 0 0 0 0 0 0 0 0 1 factor: 50 cat Hand CION ction: 50 feet 2,748.7 LC' cription: Compa 0 6,750 6,750 6,750 feet 2,550 lbs/LCY Earth - Dry packed Factor Skill: 0. ency: 0.	Y/hr cted fill or en 1 750			

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:	0.902	(CAT HB)
Blade type:	1.000	(PAT)
Net correction:	0.4043	
Adjusted unit production: 1,	111.30 LCY/hr	
Adjusted fleet production: 11	11.3 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$0.444/LCY

Total job time:	8.91 Hours
Total job cost:	\$4,391

Fask description:	Fill in the re	mainder of the r	orthern hole		
Montoya Pit		Permit Action:	2024-06-26	Permit/Job#:	M1980146
PROJECT IDENTIF	ICATION				
Task #: 11A Date: 6/26/2024 User: DMC	St.	ate: <u>Colorado</u> nty: <u>La Plata</u>		Abbreviation: Filename:	None M146-11a
Agency or organ	nization name:	DRMS			
HOURLY EQUIPME	ENT COST				
	<u>t D10T - 10SU</u>				
Horsepower: 574	h ni-Universal		_		
Blade Type: Sen Attachment: NA					
	er day				
Data Source: (CF					
Cost Breakdown:					
		\$257.20	<u>Utilization %</u>		
Ownership Cost/Hour:		\$257.39 \$196.93	NA 100		
Operating Cost/Hour: Ripper own. Cost/Hour:		\$196.93	NA		
Ripper op. Cost/Hour:		\$0.00	0		
		\$38.59	NA		
Operator Cost/Hour: Fotal unit Cost/Hour: Fotal Fleet Cost/Hour: MATERIAL QUANT	\$492.91 \$492.91	\$20137			
Fotal unit Cost/Hour: Fotal Fleet Cost/Hour:	\$492.91 <u>TITIES</u> 40				
Fotal unit Cost/Hour: Fotal Fleet Cost/Hour: MATERIAL QUANT Initial Volume: <u>15,8</u> Swell factor: <u>1.37</u>	\$492.91 <u>TITIES</u> 40				
Fotal unit Cost/Hour: Fotal Fleet Cost/Hour: MATERIAL QUANT Initial Volume: <u>15,8</u> Swell factor: <u>1.37</u>	\$492.91 TITIES 40 0 01 LCY				
Fotal unit Cost/Hour: Fotal Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 15,8 Swell factor: 1.37 Loose volume: 21,7	\$492.91 TITIES 40 0 01 LCY me:83 a				
Fotal unit Cost/Hour: Fotal Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 15,8 Swell factor: 1.37 Loose volume: 21,7 Source of estimated volum Source of estimated swell	\$492.91 TTIES 40 0 01 LCY me: .83 a 1 factor: Cat I				
Fotal unit Cost/Hour: Fotal Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 15,8 Swell factor: 1.37 Loose volume: 21,7 Source of estimated volu Source of estimated swell HOURLY PRODUCT	\$492.91 `ITIES 40 0 01 LCY me: .83 a 1 factor: Cat I FION	ic Handbook			
Fotal unit Cost/Hour: Fotal Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 15,8 Swell factor: 1.37 Loose volume: 21,7 Source of estimated volum Source of estimated swell	\$492.91 TTIES 40 0 01 LCY me: .83 a 1 factor: Cat I FION 100 fee	ic Handbook			
Fotal unit Cost/Hour: Fotal Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 15,8- Swell factor: 1.37/ Loose volume: 21,7/ Source of estimated volur Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance:	\$492.91 TTIES 40 0 01 LCY me: .83 a 1 factor: Cat 1 FION ction: 1,718.9	uc Handbook			
Fotal unit Cost/Hour: Fotal Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 15,8 Swell factor: 1.37 Loose volume: 21,7 Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Jnadjusted hourly product	\$492.91 TTIES 40 0 01 LCY me: .83 a 1 factor: Cat 1 FION ction: 1,718.9	et D LCY/hr			
Fotal unit Cost/Hour: Fotal Fleet Cost/Hour: Initial Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 15,8- Swell factor: 1.37- Loose volume: 21,7- Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Jnadjusted hourly product Materials consistency des Average push gradient:	\$492.91 YTTIES 40 0 01 LCY me: .83 a 1 factor: Cat 1 FION ction: 100 fee 1,718.9 scription: Co 0 %	et DLCY/hr pmpacted fill or en			
Fotal unit Cost/Hour: Fotal Fleet Cost/Hour: Fotal Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 15,8- Swell factor: 1.37/ Loose volume: 21,7/ Source of estimated volur Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Jnadjusted hourly product Materials consistency des Average push gradient: Average site altitude:	\$492.91 TTIES 40 0 01 LCY me: .83 a 1 factor: Cat I FION ction: 1,718.9 scription: Co 0 % 6,750 feet	et Handbook D LCY/hr ompacted fill or en			
Fotal unit Cost/Hour: Fotal Fleet Cost/Hour: Fotal Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 15,8- Swell factor: 1.37/ Loose volume: 21,7/ Source of estimated volur Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Jnadjusted hourly product Materials consistency des Average push gradient: Average site altitude: Material weight: Weight description: Tob Condition Correction	\$492.91 TTIES 40 0 01 LCY me: .83 a 1 factor: Cat I FION ction: 100 feet 1,718.9 scription: Co 0 % 6,750 feet 1,600 lbs/LC Coal - Bitumi Factor 1	et Handbook D LCY/hr ompacted fill or en			
Fotal unit Cost/Hour: Fotal Fleet Cost/Hour: Fotal Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 15,8- Swell factor: 1.370 Loose volume: 21,70 Source of estimated volur Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Jnadjusted hourly product Materials consistency des Average site altitude: Material weight: Weight description: Iob Condition Correction Operator S	\$492.91 TTIES 40 0 01 LCY me: .83 a 1 factor: Cat I FION ction: 100 feat .1,718.9 scription: Co 0 %	et Handbook et D LCY/hr ompacted fill or en Y nous, Raw 0.750			
Fotal unit Cost/Hour: Fotal Fleet Cost/Hour: Fotal Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 15,8* Swell factor: 1.37* Loose volume: 21,7* Source of estimated volum 21,7* Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Jnadjusted hourly product Materials consistency destance: Average push gradient: Average site altitude: Material weight: Weight description: Material consist Operator State	\$492.91 YTTIES 40 0 01 LCY me: .83 a 1 factor: Cat 1 FION ction: 100 feet 1,718.9 scription: Co 0 %	et Handbook et D LCY/hr ompacted fill or en Y nous, Raw 0.750 0.900			
Fotal unit Cost/Hour: Fotal Fleet Cost/Hour: Fotal Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 15,8 Swell factor: 1.37 Loose volume: 21,7 Source of estimated volur Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Jnadjusted hourly product Materials consistency des Average push gradient: Average site altitude: Material weight: Weight description: Operator S Material consist Dozing me	\$492.91 YTTIES 40 0 01 LCY me: .83 a 1 factor: Cat 1 FION ction: 100 feet 1,718.9 scription: Co 0 %	et Handbook et D LCY/hr ompacted fill or en Y nous, Raw 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:	0.6445	
Adjusted unit production: 1,	107.83 LCY/hr	
Adjusted fleet production: 11	107.83 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$0.445/LCY

Total job time:	19.59 Hours
Total job cost:	\$9,655

BULLDOZER RIPPING WORK

	Task description	n: <u>F</u>	Rip pit floor BLM	[
Site	: <u>Montoya Pit</u>		Perm	it Action:	2024-06-26	P	ermit/Job#:	: <u>M198014</u>	6
	PROJECT ID	ENTIFICA	ATION						
	Date: 6/	2A 26/2024 MC	State: County:	Colorado La Plata			reviation: Filename:	None M146-12a	
	Agenc	y or organiza	tion name: <u>DRN</u>	MS					
	HOURLY EQ	DUIPMENT	<u>COST</u>						
			Cat D10T - 10SU 3-Shank Ripper			Horsepower: Shift Basis: Data Source:	1 r	574 per day CRG)	
	Cost Breakdown	<u>1:</u>							_
		Operatin per Ownershi oper Operatin			\$257.39 \$196.93 \$25.02 \$11.73 \$38.59	Utilization % NA 100 NA 100 NA	- - -		
		-	it Cost/Hour:		\$529.66	INA	-		
		Total Flee	et Cost/Hour:	\$529	0.66				
	MATERIAL		<u>ES</u>	Sele	cted estimating	method: <u>Area</u>	a		
Seismic: Area:	NA 36.01	acres		Volume: _ epth (ft):	NA 12.00	BCY Volume:	697,154	NA	BCY or CCY
Alca.	50.01		estimated quantity			volume.	077,134		Jer of cer
					51				
	HOURLY PR		<u>''IN</u>						
	Seismic:		Seismic Veloci	ity:	NA	feet/sec	ond		
	Area:								
		Ave	erage Ripping Dep erage Ripping Wid	lth:	2.87 8.67	feet/pas feet/pas	s		
			rage Ripping Leng verage Dozer Spe		250.00 88.00	feet/pas feet/min			
			rage Maneuver Tir		0.25	need in minutes			
		Pro	duction per unit ar	rea:	0.966	acres/ho	our		
	Job Condition C	Correction Fac	etors						
	U	nadjusted Ho	urly Unit Producti	on:	0.966	Acres/h	ır		
			Site Altitu Altitude A	-	6,750 1.00	feet (CAT H	IB)		
			Job Efficien	cy:	0.83	(1 shift	/day)		
			Net Correction	on:	0.83	multipl	ier		
			sted Hourly Unit P ted Hourly Fleet P		0.80 0.80	Acres/hr Acres/hr			
	JOB TIME A	ND COST							
	Fleet size:	1	Grader(s)		Total job time	e:	44.92	Hou	ſS
	Unit cost:	\$660.667	Per acre		Total job cost	t:\$2	23,791		

TRUCK/LOADER TEAM WORK

Task de	scription:	Pit floor	· topsoil placeme	nt BLM			
Site: Mon	toya Pit		Permit Acti	on: <u>2024-06-26</u>		Permit/Job#: <u>M</u>	1980146
<u>PROJ</u>	ECT IDEN	TIFICATION	[
Task	:#: 13A		State: Colora	ado	Ab	breviation: No:	ne
	te: 6/26/2	2024	County: La Pla	ita		Filename: M1	46-13a
Us	er: DMC						
	Agency or	organization nar	me: DRMS				
HOUR	RLY EQUI	PMENT COS	<u>Γ</u>		Shift bas	sis: <u>1 per day</u>	
				Equipment Descri	ption		
	Т	ruck Loader Tea	m -Truck: Cat	772	•		
				T 980H			
	Supp	ort Equipment -I	Load Area: CA ump Area: NA	Т 980Н			
	Road Ma	aintenance – Mot					
			ter Truck: NA				
Cost B	reakdown:	Truck/Lo	ader Team	Support]	Equipment	Maintenan	ce Equipment
		Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization	-machine	100	100	100	NA	NA	NA
Ownership		\$116.97	\$69.00	\$69.00	NA	NA	NA
Operating		\$82.54	\$60.57	\$60.57	NA	NA	NA
1 •	ion-riper:	NA	0	NA	NA	NA	NA
Ripper own.	*	NA	\$0.00	\$0.00	NA	NA	NA
Ripper op.	cost/hour:	NA	\$0.00	\$0.00	NA	NA	NA
Operator	cost/hour:	\$25.24	\$36.85	\$36.85	NA	NA	NA
Unit	Subtotals:	\$224.75	\$166.42	\$166.42	NA	NA	NA
Number	of Units:	2	1	1	0	0	0
Group	Subtotals:	Work:	\$615.92	Support:	\$166.42	Maint:	\$0.00
Total w	ork team cos	st/hour: <u>\$782.3</u> 4	<u> </u>				
MATE	ERIAL QU	ANTITIES					
In	itial volume:	29,048	CCY	Swell	factor: 1.000		
Lo	oose volume:	29,04	8 LCY				
	Sou	urce of estimated	volume: 36.0	1 ac x 6"			
	Source	of estimated swe	ell factor: Cat H	Handbook			
		Material Purch					
		10	otal Cost: \$0.00)			
HOU	RLY PRO	DUCTION					
<u>Truck</u>	Capacity:						
	ayload (weig						
	Material w		. 11	Pounds/LCY	-		
	Descri Rated Pa	iption: <u>Top So</u> yload: 92,900		Pounds			
	Payload Cap			LCY			

Truck Bed (volume) Basis:								
Struck Volume:	26.40	LCY						
Heaped Volume:	36.00	LCY						
Average Volume:	31.20	LCY						
Adjusted Volume:	36.00	LCY						
Fin	al Truck Volum	ne Based on Nu	umber of	Loader Passes	: 29	0.25	LCY	
Loading Tool Capacity								
				Bu	cket Size Cl	ass: N	A	
Rated Capacity:	7.500	LCY (h	eaped)					
Bucket Fill Factor:	0.975	Loose n	naterial -	uniform aggre	gates to 1/8'	° (95-100	0%) 0.975	
Adjusted Capacity:	7.313	LCY			•			
Job Condition Correction	<u>IS:</u>		Site	e Altitude (ft.)	: <u>6750</u> feet			
	Truck	Load	er	Sourc	e			
Altitude Adj:	1.000	1.00	0	(CAT H	(B)			
Job Efficiency:	0.830	0.83		(CAT H	,			
Net Correction:	0.830	0.83	0					
Loading Tool Cools T'	م م	on of I 1' '			. E:11 T 1		4	<i>w</i>
Loading Tool Cycle Time		er of Loading '	1001 Pass	ses Required to	o Fill Truck:		4	passes
Excavators and Front Show	vels:							
Machine Cycle Time	vs. Job Conditi		NA NA					
Machine Cycle Time Selected Value	vs. Job Conditi e within this Ba	sic Rating:	NA NA					
Machine Cycle Time Selected Value	vs. Job Conditi e within this Ba – Material Dese	sic Rating:						
Machine Cycle Time Selected Valu Track Loaders	vs. Job Conditi e within this Ba – Material Dese .):	sic Rating:			Dump:	0.100)	
Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min Load: <u>NA</u>	vs. Job Conditi e within this Ba – Material Dese .):	sic Rating:	NA	e (load dumn	1			minutes
Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min Load: <u>NA</u> Wheel and Track Loaders	vs. Job Conditi e within this Ba – Material Dese .): s - Unadjusted H	sic Rating:	NA	e (load, dump,	, maneuver):	0	.550	- minutes
Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min Load: <u>NA</u> Wheel and Track Loaders Cycle Time Factors	vs. Job Conditi e within this Ba – Material Dese .): 	sic Rating: cription: Maneuver: Basic Loader C	NA NA 'ycle Tim	e (load, dump,	, maneuver):	0 (min.)	.550	ce
Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min Load: <u>NA</u> Wheel and Track Loaders <u>Cycle Time Factors</u> Material:	vs. Job Conditi e within this Ba – Material Dese .): s - Unadjusted F	sic Rating: cription: Maneuver: Basic Loader C to 1/8" diamet	NA NA ycle Tim ter 0.02		, maneuver): Factor (0 (min.) 20	.550 Source (Cat H	ce IB)
Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min Load: NA Wheel and Track Loaders Cycle Time Factors Materials Stockpile:	vs. Job Conditi e within this Ba – Material Dese .): s - Unadjusted I Material up	sic Rating: cription: Maneuver: Basic Loader C to 1/8" diamet r dozer piled 1	NA NA ycle Tim ter 0.02 0 ft. high	and up 0.00	, maneuver): Factor (0.02	0 (min.) 20 00	.550 Source (Cat H (Cat H	ce IB) IB)
Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile Truck Ownership	vs. Job Conditi e within this Ba – Material Dese .): s - Unadjusted H 	sic Rating: cription: Maneuver: Basic Loader C to 1/8" diamet r dozer piled 1 wnership of tru	NA NA ycle Tim ter 0.02 0 ft. high	and up 0.00	, maneuver): Factor (0.02 0.00 -0.0	0 (min.) 20 00 40	.550 Source (Cat H (Cat H (Cat H	ce IB) IB) IB)
Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership Operation	vs. Job Conditi e within this Ba – Material Dese .): s - Unadjusted H 	sic Rating: cription: Maneuver: Basic Loader C to 1/8" diamet r dozer piled 1 wnership of tru peration -0.04	NA NA ycle Tim ter 0.02 0 ft. high	and up 0.00	, maneuver): Factor (0.02 0.00 -0.0 -0.0	0 (min.) 20 00 40 40	.550 Sourd (Cat H (Cat H (Cat H (Cat H	ce IB) IB) IB) IB)
Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile Truck Ownership	vs. Job Conditi e within this Ba – Material Dese .): s - Unadjusted H 	sic Rating: cription: Maneuver: Basic Loader C to 1/8" diamet r dozer piled 1 wnership of tru peration -0.04 rget 0.00	NA lycle Tim ter 0.02 0 ft. high icks and l	and up 0.00 oaders -0.04	maneuver): Factor (0.02 0.00 -0.0 -0.0 0.00	0 (min.) 20 00 40 40 00	.550 Source (Cat H (Cat H (Cat H (Cat H (Cat H	ce IB) IB) IB) IB) IB)
Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership Operation	vs. Job Conditi e within this Ba – Material Dese .): s - Unadjusted H 	sic Rating: cription: Maneuver: Basic Loader C to 1/8" diamet r dozer piled 1 wnership of tru peration -0.04 rget 0.00 Net C	NA NA bycle Tim ter 0.02 0 ft. high icks and 1 ycle Timo	and up 0.00 oaders -0.04 e Adjustment:	, maneuver): Factor (0.02 0.00 -0.0 -0.0 0.00 -0.0	0 (min.) 20 00 40 40 40 00 60	.550 Source (Cat H (Cat H (Cat H (Cat H (Cat H (Cat H	ce IB) IB) IB) IB) IB) tes
Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership Operation	vs. Job Conditi e within this Ba – Material Dese .): s - Unadjusted H 	sic Rating: cription: Maneuver: Basic Loader C to 1/8" diamet r dozer piled 1 wnership of tru peration -0.04 rget 0.00 Net Cy Adjuste	NA NA bycle Tim ter 0.02 0 ft. high ccks and 1 ycle Time ed Loade	and up 0.00 oaders -0.04	maneuver): Factor (0.02 0.00 -0.0 -0.0 0.00	0 (min.) 20 00 40 40 40 00 60 00	.550 Source (Cat H (Cat H (Cat H (Cat H (Cat H	ce IB) IB) IB) IB) tes tes
Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership Operation	vs. Job Conditi e within this Ba – Material Dese .): s - Unadjusted H 	sic Rating: cription: Maneuver: Basic Loader C to 1/8" diamet r dozer piled 1 wnership of tru peration -0.04 rget 0.00 Net Cy Adjuste	NA NA bycle Tim ter 0.02 0 ft. high ccks and 1 ycle Time ed Loade	and up 0.00 oaders -0.04 e Adjustment: r Cycle Time:	maneuver): Factor (0.02 0.00 -0.0 0.00 -0.0 0.00 0.00 0.44	0 (min.) 20 00 40 40 40 00 60 00	.550 Sourd (Cat H (Cat H (Cat H (Cat H (Cat H (Cat H minut minut	ce IB) IB) IB) IB) tes tes
Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership Operation Dump Targets	vs. Job Conditi e within this Ba – Material Dese .): s - Unadjusted H deserved the second sec	sic Rating: cription: Maneuver: Basic Loader C to 1/8" diamet r dozer piled 1 wnership of tru peration -0.04 rget 0.00 Net Cy Adjuste	NA NA bycle Tim ter 0.02 0 ft. high ccks and 1 ycle Time ed Loade	and up 0.00 oaders -0.04 e Adjustment: r Cycle Time: me per Truck:	maneuver): Factor (0.02 0.00 -0.0 0.00 -0.0 0.00 0.00 0.44	0 (min.) 20 00 40 40 40 60 00 60 70	.550 Sourd (Cat H (Cat H (Cat H (Cat H (Cat H (Cat H minut minut	ce IB) IB) IB) IB) IB) tes tes tes tes
Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership Operation Dump Target	vs. Job Conditi e within this Ba – Material Dese .): s - Unadjusted H 	sic Rating: cription: Maneuver: Basic Loader C to 1/8" diamet r dozer piled 1 wnership of tru peration -0.04 rget 0.00 Net Cy Adjusta Net	NA NA bycle Tim ter 0.02 0 ft. high ccks and 1 ycle Time ed Loade	and up 0.00 oaders -0.04 e Adjustment: r Cycle Time: me per Truck: Adjuste	maneuver): Factor (0.02 0.00 -0.0 0.00 -0.0 0.49 1.5 ⁷	0 (min.) 20 00 40 40 40 00 60 00 70	.550 (Cat H (Cat H (Cat H (Cat H (Cat H (Cat H (Cat H minut minut	ce IB) IB) IB) IB) tes tes tes tes
Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile Truck Ownership Operation Dump Target: Truck Exchange Tim	vs. Job Conditi e within this Ba – Material Dese .): s - Unadjusted H deserved the second sec	sic Rating: cription: Maneuver: Basic Loader C to 1/8" diamet r dozer piled 1 wnership of tru peration -0.04 rget 0.00 Net Cy Adjuste Net	NA NA bycle Tim ter 0.02 0 ft. high ccks and 1 ycle Time ed Loade	and up 0.00 oaders -0.04 e Adjustment: r Cycle Time: me per Truck: Adjuste Adjuste	$\begin{array}{c c} maneuver): \\ \hline Factor (\\ 0.02 \\ 0.00 \\ 0.00 \\ -0.0 \\ 0.00 \\ 0.00 \\ \hline 0.00 \\ 0.49 \\ 1.5^{\circ} \\ \end{array}$	0 (min.) 20 00 40 40 60 00 70 itude:	.550 Sourd (Cat H (Cat H (Cat H (Cat H (Cat H (Cat H minut minut 0.700	ce IB) IB) IB) IB) tes tes tes tes Minute
Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership Operation Dump Target Truck Exchange Tim Truck Load Tim	vs. Job Conditi e within this Ba – Material Dese .): s - Unadjusted H deserved H Conveyor of Conveyor of Constant op Nominal tar Nominal tar	sic Rating: cription: Maneuver: Basic Loader C to 1/8" diamet r dozer piled 1 wnership of tru beration -0.04 rget 0.00 Net Cy Adjusta Net Minutes Minutes Minutes	NA NA ycle Tim ter 0.02 0 ft. high cks and l ycle Timo ed Loade Load Tin	and up 0.00 oaders -0.04 e Adjustment: r Cycle Time: me per Truck: Adjuste Adjuste	$\begin{array}{c c} maneuver): \\ Factor (0.02 0.00 0.00 -0.0 -0.0 0.00 -0.0 0.49 1.5^{\circ} d for site alt d for site alt d for site alt $	0 (min.) 20 00 40 40 60 00 70 itude: itude:	.550 Sourd (Cat H (Cat H (Cat H (Cat H (Cat H (Cat H (Cat H 0.700 1.570 1.100	ce IB) IB) IB) IB) tes tes tes tes Minute Minute
Haul Rou								
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Seg #	Haul I (Ft)	Distance	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)	
1	250.00)	0.00	3.00	3.00	2626	0.452	
					Haul Time:	0.452	minutes	
Return Re	oute:				_			
Seg #	Haul I	Distance	Grade (%)	Roll. Res	Total Res	Velocity	Travel	
	(Ft)			(%)	(%)	(fpm)	Time (min)	
1	250.00)	0.00	3.00	3.00	3087	0.224	
					Return Time:	0.224	minutes	
				Total Tru	ck Cycle Time:	4.046	minutes	
	uction	773.13	LCY/Hour		Adjusted for j	ob efficiency:	641.70	_ LCY/Hour
Truck Unit Produ	uction _	433.76	LCY/Hour		Adjusted for j	ob efficiency:	360.02	_ LCY/Hour
Optimal No. of Tr	rucks:	2	Truck(s)		Selected Num	ber of Trucks:	2	Truck(s)
				le truck/loade	k team production er team production er team production	on: 641	.70 LCY/H	Iour
JOB TI	ME AN	D COST	5 1		I			
Fleet	size:	1	Team(s)	- -	Fotal job time:	45.2	7 Hour	S
Unit	cost:	\$1.219	/LCY		Total job cost:	\$35,41	15	

BULLDOZER WORK

Task description:	Pit flo	oor topsoil s	haping BLN	И		
: Montoya Pit		Peri	nit Action:	2024-06-26	Permit/Job#:	M1980146
PROJECT IDENT	FIFICATIO	<u>DN</u>				
Task #: 13B		State:	Colorado		Abbreviation:	None
Date: $6/26/20$	024	County:	La Plata		Filename:	M146-13b
User: DMC		5				
Agency or c	organization i	name: DR	MS			
HOURLY EQUIP	MENT CO	<u>ST</u>				
Basic Machine:	Cat D10T -	10SU				
Horsepower:	574					
Blade Type:	Semi-Unive	rsal				
Attachment:	NA					
Shift Basis:	1 per day					
Data Source:	(CRG)					
Cost Breakdown:						
				Utilization %		
Ownership Cost/Ho			\$257.39	NA		
Operating Cost/Ho			\$196.93	100		
Ripper own. Cost/Ho			\$0.00	NA		
Ripper op. Cost/Ho			\$0.00	0		
Operator Cost/Ho	ur:		\$38.59	NA		
Total Fleet Cost/Hour	<u>.</u>					
	29,048					
	1.000					
Loose volume:	29,048 LCY					
Source of estimated v	volume:	36.01 ac x	x 6"			
Source of estimated s	well factor:	Cat Hand	book			
HOURLY PRODU	ICTION					
		100 feet				
Average push distance						
Unadjusted hourly pr	oduction:	1,718.9 LC	Y/hr			
Unadjusted hourly pr Materials consistency	_		Y/hr stockpile 1.2			
	description:	Loose s				
Materials consistency Average push gradier		Loose s				
Materials consistency Average push gradier Average site altitude:		Loose s feet lbs/LCY				
Materials consistency Average push gradier Average site altitude: Material weight:	v description: nt: <u>0 %</u> <u>6,750</u> <u>1,600</u> Top Se	Loose s feet lbs/LCY		Source		
Materials consistency Average push gradier Average site altitude: Material weight: Weight description: Job Condition Correct	v description: nt: <u>0 %</u> <u>6,750</u> <u>1,600</u> Top Se	Loose s feet lbs/LCY pil		<u>Source</u> (AVG.)		
Materials consistency Average push gradier Average site altitude: Material weight: Weight description: Job Condition Correct Opera Material corr		Loose s feet lbs/LCY pil 0.	stockpile 1.2			
Materials consistency Average push gradier Average site altitude: Material weight: Weight description: Job Condition Correct Opera Material corr Dozing	v description: nt: <u>0 %</u> <u>6,750</u> <u>1,600</u> <u>Top So</u> <u>tion Factor</u> ntor Skill:	Loose s	stockpile 1.2	(AVG.)		

Adjusted fleet production: 1477.05 LCY/hr

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: 1,4	477.05 LCY/hr	

JOB TIME AND COST

Fleet size:	1 Dozer(s)
Unit cost:	\$0.334/LCY

Total job time:	19.67 Hours
Total job cost:	\$9,694

REVEGETATION WORK

Task descript	ion:	Seed disturbed areas BLM			
Site: Montoya I	Pit	Permit Action:	2024-06-26	Permit/Job	o#: <u>M1980146</u>
<u>PROJECT I</u>	DENTIFIC	<u>ATION</u>			
Task #:	14A	State: Colorado		Abbreviation:	None
Date:	6/26/2024	County: La Plata		Filename:	M146-14a
User:	DMC				

FERTILIZING

Materials

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

Application

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

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Bitterbrush, Antelope	2.00	0.62	\$113.03
Indian Ricegrass - Native	2.00	6.47	\$34.58
Chokecherry	2.00	0.14	\$98.92
Western Wheatgrass - Arriba	4.00	10.10	\$36.13
Sagebrush, Mountain or Big	0.15	7.92	\$12.40
Flax, Lewis Blue	0.15	1.00	\$6.34
Yarrow, White	1.00	63.59	\$73.39
Totals Seed Mix	11.30	89.83	\$374.80

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
Weed spray, hand, non-aquatic area, nox. [DMG]		\$209.61
	Total Mulch Application Cost/Acre	\$294.98

NURSERY STOCK PLANTING

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

JOB TIME AND COST

	No. of Acres: ed Failure Rate:	20%	C	Cost /Acre: Cost /Acre*:	
*Selected Replanti	ng Work Items:	TILLING,SEEI	DING,MULCHING		
Initial Job Cost: Reseeding Job Cost: Total Job Cost: Job Hours:	\$72,365.34 \$14,473.07 \$86,838		,		

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Montoya Pit		Permit	Action: <u>2024</u>	-06-26]	Permit/Job#: _	M1980146
PROJECT IDEN	NTIFICATI	<u>ION</u>					
Task #: 15A		State: Co	olorado		Abbre	viation: No	one
Date: 6/26 User: DM	5/2024 C	County: La	Plata		Fi	lename: 15a	a20240626
Agency o	r organization	n name: DRMS					
QUIPMENT T	RANSPOR	T RIG COST					
					Shift ba		
				(Cost Data Sour	ce: CRG	Data
Truck	Tractor Desc	ription: GENE	RIC ON-HIGH	WAY TRU	JCK TRACTO	OR, 6X4, DIES	EL POWERED,
		1			(2ND HALF,		,
Truck	Trailer Desc	eription: G	ENERIC FOLD				DUIPMENT
Truck	Trailer Desc	cription: G	ENERIC FOLD	DING GOO	SENECK, DR	OP DECK EQ	QUIPMENT
	Trailer Desc	eription: G		DING GOO		OP DECK EQ	QUIPMENT
Truck Cost Breakdown:	Trailer Desc	cription: G		DING GOO	SENECK, DR	OP DECK EQ	QUIPMENT
		0-25 Tons		DING GOO FRAILER	SENECK, DR	OP DECK EQ	QUIPMENT
Cost Breakdown:	pacities			DING GOO ΓRAILER 51+	SENECK, DR (25T, 50T, AN	OP DECK EQ	QUIPMENT
Cost Breakdown: Available Rig Ca Ownership	pacities	0-25 Tons	26-50 Tons	DING GOO <u> <u> </u> </u>	SENECK, DR (25T, 50T, AN	OP DECK EQ	QUIPMENT
Cost Breakdown: Available Rig Ca Ownership Operating	pacities Cost/Hour: Cost/Hour:	0-25 Tons \$10.44 \$26.48	26-50 Tons \$22.18 \$54.55	DING GOO <u>FRAILER</u> 51+ \$2 \$5	SENECK, DR (25T, 50T, AN - Tons 23.94 55.65	OP DECK EQ	QUIPMENT
<u>Cost Breakdown:</u> Available Rig Ca Ownership Operating Operator	pacities Cost/Hour: Cost/Hour: Cost/Hour:	0-25 Tons \$10.44 \$26.48 \$22.52	26-50 Tons \$22.18 \$54.55 \$22.52	DING GOO <u>FRAILER</u> 51+ \$2 \$5 \$2	SENECK, DR (25T, 50T, AN - Tons 23.94 55.65 22.52	OP DECK EQ	QUIPMENT
Cost Breakdown: Available Rig Ca Ownership Operating Operator Helper	pacities Cost/Hour: Cost/Hour:	0-25 Tons \$10.44 \$26.48	26-50 Tons \$22.18 \$54.55	DING GOO <u>FRAILER</u> 51+ \$2 \$5 \$2 \$2 \$2 \$2	SENECK, DR (25T, 50T, AN - Tons 23.94 55.65	OP DECK EQ	QUIPMENT
Cost Breakdown: Available Rig Ca Ownership Operating Operator Helper	pacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour:	0-25 Tons \$10.44 \$26.48 \$22.52 \$0.00	26-50 Tons \$22.18 \$54.55 \$22.52 \$23.53	DING GOO <u>FRAILER</u> 51+ \$2 \$5 \$2 \$2 \$2 \$2	SENECK, DR (25T, 50T, AN - Tons 23.94 	OP DECK EQ	QUIPMENT
Cost Breakdown: Available Rig Ca Ownership Operating Operator Helper Total Unit	pacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour:	0-25 Tons \$10.44 \$26.48 \$22.52 \$0.00 \$59.44	26-50 Tons \$22.18 \$54.55 \$22.52 \$23.53	DING GOO <u>FRAILER</u> 51+ \$2 \$5 \$2 \$2 \$2 \$2	SENECK, DR (25T, 50T, AN - Tons 23.94 	OP DECK EQ	QUIPMENT
Cost Breakdown: Available Rig Ca Ownership Operating Operator Helper Total Unit	pacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour:	0-25 Tons \$10.44 \$26.48 \$22.52 \$0.00 \$59.44 MENT:	26-50 Tons \$22.18 \$54.55 \$22.52 \$23.53 \$122.78	DING GOO FRAILER 51+ \$2 \$5 \$2 \$2 \$1	SENECK, DR (25T, 50T, AN - Tons 23.94 55.65 22.52 23.53 25.64	OP DECK EQ	
Cost Breakdown: Available Rig Ca Ownership Operating Operator Helper Total Unit NON ROADABI Machine	pacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIPM Weight/	0-25 Tons \$10.44 \$26.48 \$22.52 \$0.00 \$59.44 MENT: Owner ship	26-50 Tons \$22.18 \$54.55 \$22.52 \$23.53 \$122.78 Haul Rig	DING GOO FRAILER 51+ \$2 \$5 \$2 \$2 \$1 \$1 Fleet	SENECK, DR (25T, 50T, AN - Tons 23.94 55.65 22.52 23.53 25.64 Haul Trip	OP DECK EQ ND 100T) Return Trip	DOT Permit
Cost Breakdown: Available Rig Ca Ownership Operating Operator Helper Total Unit	Description Descr	0-25 Tons \$10.44 \$26.48 \$22.52 \$0.00 \$59.44 MENT:	26-50 Tons \$22.18 \$54.55 \$22.52 \$23.53 \$122.78	DING GOO FRAILER 51+ \$2 \$5 \$2 \$2 \$1	SENECK, DR (25T, 50T, AN - Tons 23.94 55.65 22.52 23.53 25.64 Haul Trip Cost/hr/	OP DECK EQ	DOT Permit
Cost Breakdown: Available Rig Ca Ownership Operating Operator Helper Total Unit NON ROADABI Machine Description	Description Descr	0-25 Tons \$10.44 \$26.48 \$22.52 \$0.00 \$59.44 MENT: Owner ship Cost/hr/ unit	26-50 Tons \$22.18 \$54.55 \$22.52 \$23.53 \$122.78 Haul Rig Cost/hr/uni t	Fleet Size	SENECK, DR (25T, 50T, AN - Tons 23.94 55.65 22.52 23.53 25.64 Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ flee	t DOT Permit Cost/ fleet
Cost Breakdown: Available Rig Ca Ownership Operating Operator Helper Total Unit NON ROADABI Machine Description Cat D10T - 10SU	Description Descr	0-25 Tons \$10.44 \$26.48 \$22.52 \$0.00 \$59.44 MENT: Owner ship Cost/hr/ unit \$282.41	26-50 Tons \$22.18 \$54.55 \$22.52 \$23.53 \$122.78 Haul Rig Cost/hr/uni t \$125.64	Fleet Size	SENECK, DR (25T, 50T, AN - Tons 23.94 35.65 22.52 23.53 25.64 Haul Trip Cost/hr/ fleet \$408.05	OP DECK EQ ND 100T) Return Trip Cost/hr/ flee \$125.64	t DOT Permit Cost/ fleet \$500.00
Cost Breakdown: Available Rig Ca Ownership Operating Operator Helper Total Unit NON ROADABI Machine Description Cat D10T - 10SU CAT 980H	pacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIPM Weight/ Unit (TONS) 93.31 33.12	0-25 Tons \$10.44 \$26.48 \$22.52 \$0.00 \$59.44 MENT: Owner ship Cost/hr/ unit \$282.41 \$69.00	26-50 Tons \$22.18 \$54.55 \$22.52 \$23.53 \$122.78 Haul Rig Cost/hr/uni t \$125.64 \$122.78	Simple Simple<	SENECK, DR (25T, 50T, AN 23.94 35.65 22.52 23.53 25.64 Haul Trip Cost/hr/ fleet \$408.05 \$191.78	Return Trip Cost/hr/ flee \$125.64 \$122.78	t DOT Permit Cost/ fleet \$500.00 \$250.00
Cost Breakdown: Available Rig Ca Ownership Operating Operator Helper Total Unit NON ROADABI Machine Description Cat D10T - 10SU	Description Descr	0-25 Tons \$10.44 \$26.48 \$22.52 \$0.00 \$59.44 MENT: Owner ship Cost/hr/ unit \$282.41	26-50 Tons \$22.18 \$54.55 \$22.52 \$23.53 \$122.78 Haul Rig Cost/hr/uni t \$125.64	Fleet Size	SENECK, DR (25T, 50T, AN - Tons 23.94 35.65 22.52 23.53 25.64 Haul Trip Cost/hr/ fleet \$408.05	OP DECK EQ ND 100T) Return Trip Cost/hr/ flee \$125.64	t DOT Permit Cost/ fleet \$500.00
Cost Breakdown: Available Rig Ca Ownership Operating Operator Helper Total Unit NON ROADABI Machine Description Cat D10T - 10SU CAT 980H	pacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIPM Weight/ Unit (TONS) 93.31 33.12	0-25 Tons \$10.44 \$26.48 \$22.52 \$0.00 \$59.44 MENT: Owner ship Cost/hr/ unit \$282.41 \$69.00	26-50 Tons \$22.18 \$54.55 \$22.52 \$23.53 \$122.78 Haul Rig Cost/hr/uni t \$125.64 \$122.78 \$122.78	Simple Simple<	SENECK, DR (25T, 50T, AN 23.94 35.65 22.52 23.53 25.64 Haul Trip Cost/hr/ fleet \$408.05 \$191.78	Return Trip Cost/hr/ flee \$125.64 \$122.78	t DOT Permit Cost/ fleet \$500.00 \$250.00 \$250.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 3/4 T.	\$13.77	1	\$13.77	\$13.77
Drill/Broadcast Seeder with	\$79.16	1	\$79.16	\$79.16
Tractor				
Power Mulcher (Bowie LD-90)	\$58.47	1	\$58.47	\$58.47
		Subtotals:	\$151.40	\$151.40

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	DURANGO	
Total one-way travel distance:	3.00	miles
Average Travel Speed:	45.00	mph
Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig:	\$6,527.09	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$20.19	

Transportation Cycle Time:

Haul Time (Hours): Return Time (Hours): Loading Time (Hours): Unloading Time (Hours):	Non- Roadable Equipment 0.07 0.07 1.00 1.00	Roadable Equipment 0.07 0.07 NA NA
Unloading Time (Hours):	1.00	
Subtotals:	2.13	0.13

JOB TIME AND COST

Total job time: **4.27** Hours

Total job cost: \$6,547



Montoya Pit 27661 HWY 160 Durango, Co 81301

2024 updated reclamation cost

reclamation cost: current mining area35.43 acres (See Map L1)

1: Northwest corner shaping 7.05 acres:

-Cat D10T: 30 hours \$7,500

A. 7.05 acres

B. 79,200yd3 shaping

I. 100' average push with a 200' maximum push

II. 30 second average push @ 22yd3 per pass

III. 2,640yds hour

2: Southwest corner shaping

-Cat D10T: 8 hours \$2,000

A. 1.44 acres

B. 21,120yd3 shaping

I. 100' average push with a 200' maximum push

II. 30 second average push @ 22yd3 per pass

III. 2,640yds hour

3: Northwest slope soil placement (Map 1)

-Volvo A35-C: 12.58 hours \$968.66

-Cat 982M: 2.39 hours \$395.54

-Cat D10T 3.64 hours \$910

- A. 7.05 acres: 6" overburden = 5,460yd3
- B. 816' maximum haul distance
- C. A-35C: 287 loads @ 2.63 min per load
 - I. 30 second load time. 2 passes with a Cat 982M
 - II. 1.23 minutes haul time roundtrip @ 10MPH
 - III. 45 seconds to dump material
- D. Cat 982M: 287 loads @ 30 seconds each = 2.39hrs
- E. Cat D10T: 5,460yds3 @ 1,500yds3 hour = 3.64hrs

4. Southwest slope soil placement

-Volvo A35-C: 2.58 hours \$198.66

-Cat 982M: .49 hours \$81.09

-Cat D10T: .74 hours \$185

A. 1.44 acres:

B. 1.44 acres @ 6" = 1,119.2 yds3 dirt

C. 816' maximum haul distance

D. A35-C: 58.90 loads @ 2.63 min per load

- I. 30 second load time. 2 passes with a Cat 982M
- II. 1.23 minutes haul time @10mph
- III. 45 seconds to dump material
- E. Cat 982M: 58.9 loads @ 30 seconds each = .49hour
- F. Cat D10T: 1,119.2yds3 @1,500yds3 hour = .74hour

5: Rip pit floor

D10T: 25.25 hours \$6,312.50

A. 25.12 acres

B.12" rip depth

6: Place overburden/topsoil over the pit floor 25.12 acres

- Volvo A-35C 29.01 hours \$2,233.77

-Cat 982M 8.53 hours \$1,411.71

-Cat D10T 12.97hours \$ 3,242.50

A. 25.12 acres

B. 25.12 acres @ 6" = 19,456.97 yd3 dirt

C. 600' max haul distance from numerous load out zones; using a Volvo A-35 articulated haul truck with the capability of holding 19 cubic yards heaped.

D. A-35C: 19,456.97 yd3 ÷ 19 = 1,024 loads @ 1.7 min per load

I: 30 second load time. 2 passes with a Cat 982M

- II: 27 seconds drive to the dump site @15mph
- III: 45 seconds to dump material

E. Cat 982M: 1,024 loads @ 30 seconds per load = 8.53 hours

F. Cat D10T: 19,456.97 yd3 @ 1,500 yd3 per hour = 12.97 hours

7: Seed permit area

-35hr labor \$875

-800.71 pounds seed \$8,007.10

A: Pit floor + slopes = 35.43 acres

B: Hand broadcast 800.71 pounds of seed hand broadcasted @ 22.6 pounds per acre

Summary

Cat D10T:\$20,150 Cat 982M: \$1,888.34 Volvo A35: \$3,401.09 Labor: \$875 Seed: \$8007.10

\$34,321.53





C&J Gravel BLM active current stockpile area (see map L2) 36.01 acres of active pit floor (on BLM property, not including slopes)

1. Southwest slope shaping on Southern boundary:

-D10T: 8 hours \$2,000

- A. 2.23 acres
- B. 21,120 yd3 shaping
 - I. 100' average push with a 200' maximum push
 - II. 30 second average push @ 22yds per pass
 - III. 2,640yd3 hour
- 2. Shape dirt slopes of old Southern mining hole:
- -D10T: 60 hours \$15,000
 - A. 4.78 acres
 - B. 158,400 yd3 shaping
 - I. 100' average push with a 200' maximum push
 - II. 30 second average push @ 22yds per pass
 - III. 2,640yd3 hour

3. 3:1 dirt slope on the pool table East of the stationary crusher -D10T: 3hours \$750

- A. .75 acres
- B. 7,920 yd3 shaping
 - I. 100' average push with a 200' maximum push
 - II. 30 second average push @ 22yds per pass
 - III. 2,640yd3 hour
- 4. Fill the remainder of the northern hole
 - -D10T: 6 hours \$1,500
 - A. .83 acre
 - B. 15,840yd shaping
 - I. 100' average push with a 200' maximum push
 - II. 30 second average push @ 22yds per pass
 - III. 2,640 yd3 hour

5. Rip existing pit floor

-D10T: 36.01 hours \$9,002.50 A. 12" rip depth B. 36.01 acres

6. Place overburden over the pit floor

-D10T: 18.59 hours \$4,647.50

-A35-C: 48.93 hours \$ 3,767.61

-982M: 12.23 hours \$ 2,024.06

- A. 36.01 acres
- B. 36.01 acres @ 6" = 27,890.96 yds3 dirt
- C. 500' maximum haul distance from numerous loadout zones; using a Volvo A35-C.
- D. 27,890.96 yds3 ÷ 19= 1,467.94 loads @ 2.00 min per load
 - I. 30 second load time. 2 passes with a Cat 982M
 - II. 45.44 seconds drive to dump site and back @ 15MPH
 - III. 45 seconds to dump material
- E. Cat 982M: 1,467.94 loads @ 30 seconds per load = 12.23 hours
- F. Cat D10T: 27,890.96 yds3 @ 1,500 yds3 hour = 18.59 hours

7. Seeding

- -36 hours labor \$900
- -813.82 pounds \$8,138.2
 - A. 36.01 acres
 - B. 813.82 pounds of seed hand broadcasted @22.6 pounds per acre

Summary

Cat D10T: \$32,900 Cat 982M: \$2,024.06 Volvo A35: \$3,767.61 Labor: \$900 Seed: \$8,138.20

\$47,729.87

Page 6



The properties belonging to Gilleland Enterprises LLC property will leave all structures in place after mining and reclamation are completed. These areas include the current office and mechanic repair facility. The flat usable pit floor could provide around 9.98 acres of commerciasl real estate. These structures could serve as future commercial office and shop spaces. The main access road will also stay in place to serve the Gilleland enterprise properties.



kespry

C&J Gravel Products, Inc Captured: 9/9/2021, 10:51:45 AM ME

Reclaimed slopes: See Map L4

- 1. The 2 sections below need to be acknowledged and adjusted in our current bond
- 2. The 5.68 acres: Reclamation for this area has been completed and sitting for the last 10 years. We believe that the stable slopes combined with the adequate vegetation it should be considered for full release.
- 3. The 19.10 acres: We finished reclamation in 2020 and seeded it. It should be considered for a partial release since the major earth moving has been completed and hasn't showed any major eroding or settling. We are currently waiting for adequate growth of vegetation.

