## COST SUMMARY WORK

Task description:		Sitewide RCE						
Site:	Site: Chambers Pit		]	Permit Action:	August 2023 update	Permit/Jol	o#: <u>M1980136</u>	
<u>P</u> ]	ROJECT Task #: Date: User:	IDENTIFIC 000 8/24/2023 LDS	CATION State County			Abbreviation: Filename:	None M136-000	

Agency or organization name: DRMS

## TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001a	Backfill/grade to 3:1, East Access Road embankment	DOZER	1	88.71	\$37,844
001b	Backfill/grade to 3:1, north and west of disc golf	DOZER	1	4.25	\$1,812
001c	Backfill/grade to 3:1, West Access Road embankment	DOZER	1	3.07	\$1,310
001d	Backfill/grade to 3:1, Light-use road embankment	DOZER	1	7.58	\$3,235
001e	Backfill/grade to 3:1, south west of ball fields	DOZER	1	7.64	\$3,260
002	Demolish existing structures	DEMOLISH	] 1	40.00	\$34,628
003	Mobilize equipment	MOBILIZE	1	2.26	\$5,392
004	Spread topsoil over 78.3 acres to 4-6" depth	SCRAPER1	2	40.63	\$130,494
005	Disc harrow and drill seed 78.3 acres	REVEGE	1	78.30	\$77,803
		<u>SUBTO</u>	TALS:	272.44	\$295,778

## **INDIRECT COSTS**

#### **OVERHEAD AND PROFIT:**

	.02	10tal =	\$5,975
Performance bond: 1.	.05	Total =	\$3,106
Job superintendent: 24	48.52	Total =	\$16,174
Profit: 10	0.00	Total =	\$29,578
		TOTAL O & P =	\$54,832
		CONTRACT AMOUNT (direct + O & P) = $($	\$350,610

#### LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	\$500	Total =	\$500
Engineering work and/or contract/bid preparation:	6.59	Total =	\$23,105
Reclamation management and/or administration:	5.00		\$17,530
CONTINGENCY:	0.00	Total =	\$0
		TOTAL INDIRECT COST =	\$95,968

TOTAL BOND AMOUNT (direct + indirect) = \$391,746

Task description:	Backfill/grade to	<b>5.1</b> , East A	ceess noud empanninen	v	
Chambers Pit	Per	mit Action:	August 2023 update	Permit/Job#:	M1980136
PROJECT IDENTIF	<u>ICATION</u>				
Task #: 001A	State:	Colorado		Abbreviation:	None
Date: 8/24/2023	County:	Eagle		Filename:	M136-001a
User: LDS					
Agency or orga	nization name: DF	RMS			
HOURLY EQUIPMI	ENT COST				
	t D8T - 8SU				
Horsepower: 31					
	mi-Universal				
Attachment: NA					
	ber day				
Data Source: (C	RG)				
Cost Breakdown:					
			Utilization %		
Ownership Cost/Hour:		\$241.38	NA		
Operating Cost/Hour:		\$143.92	100		
Ripper own. Cost/Hour:		\$0.00	NA		
rupper own. cost flour.		\$0.00	0		
Ripper op. Cost/Hour:		1			
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour:	\$426.60 \$426.60	\$41.30	NA		
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT	\$426.60 <u>FITIES</u>		NA		
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: <u>16,2</u>	\$426.60 FITIES 250		NA		
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: <u>16,2</u> Swell factor: <u>1.12</u>	\$426.60 FITIES 250 25		NA		
Ripper op. Cost/Hour:         Operator Cost/Hour:         Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       16,2         Swell factor:       1.12         Loose volume:       18,2	\$426.60 FITIES 250 25 281 LCY	\$41.30			
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: <u>16,2</u> Swell factor: <u>1.12</u>	\$426.60 FITIES 250 25 281 LCY ume:Division	\$41.30	NA		
Ripper op. Cost/Hour:         Operator Cost/Hour:         Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       16,2         Swell factor:       1.12         Loose volume:       18,2         Source of estimated volu         Source of estimated swel	\$426.60 <u>FITIES</u> 250 25 281 LCY Ime: <u>Division</u> Il factor: <u>Cat Hand</u>	\$41.30			
Ripper op. Cost/Hour:         Operator Cost/Hour:         Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       16,2         Swell factor:       1.12         Loose volume:       18,2         Source of estimated volu         Source of estimated swel         HOURLY PRODUCC	\$426.60 FITIES 250 25 281 LCY Ime: Division Il factor: Cat Hand TION	\$41.30			
Ripper op. Cost/Hour:         Operator Cost/Hour:         Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       16,2         Swell factor:       1.12         Loose volume:       18,2         Source of estimated volu         Source of estimated swel         HOURLY PRODUC         Average push distance:	\$426.60 <u>FITIES</u> 250 25 281 LCY Ime: Division Il factor: Cat Hand <u>TION</u> 50 feet	\$41.30			
Ripper op. Cost/Hour:         Operator Cost/Hour:         Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       16,2         Swell factor:       1.12         Loose volume:       18,2         Source of estimated volu         Source of estimated swel         HOURLY PRODUC         Average push distance:         Unadjusted hourly produce	\$426.60         FITIES         250         25         281 LCY         ume:       Division         Il factor:       Cat Hand         TION         section:       50 feet         1,400.0 LC	\$41.30 \$41.30 of Reclamati book Y/hr	on, Mining & Safety		
Ripper op. Cost/Hour:         Operator Cost/Hour:         Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       16,2         Swell factor:       1.12         Loose volume:       18,2         Source of estimated volu         Source of estimated swel         HOURLY PRODUC         Average push distance:	\$426.60         FITIES         250         25         281 LCY         ume:       Division         Il factor:       Cat Hand         TION         section:       50 feet         1,400.0 LC	\$41.30	on, Mining & Safety		
Ripper op. Cost/Hour:         Operator Cost/Hour:         Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       16,2         Swell factor:       1.12         Loose volume:       18,2         Source of estimated volu         Source of estimated swel         HOURLY PRODUC         Average push distance:         Unadjusted hourly produce	\$426.60         FITIES         250         25         281 LCY         ume:       Division         Il factor:       Cat Hand         TION         section:       50 feet         1,400.0 LC	\$41.30 \$41.30 of Reclamati book Y/hr	on, Mining & Safety		
Ripper op. Cost/Hour:         Operator Cost/Hour:         Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       16,2         Swell factor:       1.12         Loose volume:       18,2         Source of estimated volu         Source of estimated swel         HOURLY PRODUC         Average push distance:         Unadjusted hourly produ         Materials consistency de         Average push gradient:	\$426.60         FITIES         250         25         281 LCY         ume:       Division         11 factor:       Cat Hand         TION         action:       50 feet         1,400.0 LC         scription:       Partly of         30 %	\$41.30 \$41.30 of Reclamati book Y/hr	on, Mining & Safety		
Ripper op. Cost/Hour:         Operator Cost/Hour:         Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       16,2         Swell factor:       1.12         Loose volume:       18,2         Source of estimated volu         Source of estimated swel         HOURLY PRODUCT         Average push distance:         Unadjusted hourly produ         Materials consistency de         Average push gradient:         Average site altitude:	\$426.60         FITIES         250         25         281 LCY         ume:       Division         11 factor:       Cat Hand         TION         action:       50 feet         action:       1,400.0 LC         scription:       Partly of         30 %       6,500 feet	\$41.30	on, Mining & Safety		
Ripper op. Cost/Hour:         Operator Cost/Hour:         Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       16,2         Swell factor:       1.12         Loose volume:       18,2         Source of estimated volu         Source of estimated swel         HOURLY PRODUC'         Average push distance:         Unadjusted hourly produ         Materials consistency de         Average site altitude:         Material weight:         Weight description:         Job Condition Correction	\$426.60         FITIES         250         25         281 LCY         ume:       Division         11 factor:       Cat Hand         TION         action:       50 feet         action:       1,400.0 LC         scription:       Partly of	\$41.30 \$41.30 of Reclamati book Y/hr consolidated d	on, Mining & Safety		
Ripper op. Cost/Hour:         Operator Cost/Hour:         Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       16,2         Swell factor:       1.12         Loose volume:       18,2         Source of estimated volu         Source of estimated swel         HOURLY PRODUC'         Average push distance:         Unadjusted hourly produ         Materials consistency de         Average site altitude:         Material weight:         Weight description:         Job Condition Correction         Operator	\$426.60         FITIES         250         25         281 LCY         ume:       Division         11 factor:       Cat Hand         TION         action:       50 feet         action:       1,400.0 LC         scription:       Partly of         30 %       6,500 feet         2,550 lbs/LCY       Earth - Dry packed         n Factor       0.	\$41.30 	on, Mining & Safety 		
Ripper op. Cost/Hour:         Operator Cost/Hour:         Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       16,2         Swell factor:       1.12         Loose volume:       18,2         Source of estimated volu         Source of estimated swel         HOURLY PRODUC         Average push distance:         Unadjusted hourly produ         Materials consistency de         Average site altitude:         Material weight:         Weight description:         Job Condition Correction         Operator         Material consist	\$426.60 <b>FITIES</b> 250         25         281 LCY         ume:       Division         11 factor:       Cat Hand <b>TION</b> action: $50$ feet         action: $1,400.0$ LC         scription:       Partly of $30 \%$ $6,500$ feet $2,550$ lbs/LCY       Earth - Dry packed <b>h</b> Factor       Skill:       0.         tency:       1.	\$41.30  \$41.30  of Reclamati book  Y/hr  consolidated  d 100	on, Mining & Safety		
Ripper op. Cost/Hour:         Operator Cost/Hour:         Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       16,2         Swell factor:       1.12         Loose volume:       18,2         Source of estimated volu         Source of estimated swel         HOURLY PRODUCC         Average push distance:         Unadjusted hourly produ         Materials consistency de         Average site altitude:         Material weight:         Weight description:         Job Condition Correction         Operator         Material consist         Dozing me	\$426.60 <b>FITIES</b> 250         25         281 LCY         ume:       Division         11 factor:       Cat Hand <b>TION</b> action: $50$ feet         1,400.0 LC         scription:       Partly of $30 \%$ 6,500 feet         2,550 lbs/LCY       Earth - Dry packed <b>b</b> Factor       Skill:       0.         tency:       1.         ethod:       1.	\$41.30 	on, Mining & Safety 		

Task # 001A

Job efficiency	y: 0.830	(1 SHIFT/DAY)
Spoil pil	e: 0.800	(FND-RF)
Push gradien	it: 0.298	(CAT HB)
Altitud	e: 1.000	(CAT HB)
Material Weigh	t: 0.902	(CAT HB)
Blade typ	e: 1.000	(PAT)
Net correction	n: 0.1472	
Adjusted unit production:	206.08 LCY/hr	
Adjusted fleet production:	206.08 LCY/hr	
-		

Fleet size:	1 Dozer(s)
Unit cost:	\$2.070/LCY

Total job time:	88.71 Hours
Total job cost:	\$37,844

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Task description:	Backfill/grade to	<i>5.1</i> , nor in a	ind west of disc gon		
Chambers Pit	Peri	mit Action:	August 2023 update	Permit/Job#:	M1980136
PROJECT IDENTIF	FICATION				
Task #: 001B	State:	Colorado		Abbreviation:	None
Date: 8/24/2023	County:	Eagle		Filename:	M136-001b
User: LDS					
Agency or orga	anization name:	RMS			
HOURLY EQUIPM	<u>ENT COST</u>				
Basic Machine: Ca	ut D8T - 8SU				
Horsepower: 31					
Blade Type: Se	mi-Universal				
Attachment: NA	4				
Shift Basis: 1 p	per day				
Data Source: (C	RG)				
Cost Breakdown:		,			
		<b>.</b>	<u>Utilization %</u>		
Ownership Cost/Hour:		\$241.38	NA		
Operating Cost/Hour:		\$143.92	100		
Ripper own. Cost/Hour:		\$0.00	NA		
		\$0.00	0		
Ripper op. Cost/Hour:		40.00			
Ripper op. Cost/Hour: Operator Cost/Hour: Fotal unit Cost/Hour: Fotal Fleet Cost/Hour:	\$426.60 \$426.60	\$41.30	NA		
Ripper op. Cost/Hour: Operator Cost/Hour: Fotal unit Cost/Hour:	\$426.60 <u>FITIES</u>		NA		
Ripper op. Cost/Hour: Operator Cost/Hour: Fotal unit Cost/Hour: Fotal Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 778 Swell factor: 1.12	\$426.60 <u>FITIES</u>		NA		
Ripper op. Cost/Hour:         Operator Cost/Hour:         Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       778         Swell factor:       1.12         Loose volume:       875         Source of estimated volu         Source of estimated swell	\$426.60 FITIES 25 5 LCY Ime: Division of 11 factor: Cat Hand	\$41.30	NA		
Ripper op. Cost/Hour:         Operator Cost/Hour:         Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUANY         Initial Volume:         Swell factor:         Loose volume:         875         Source of estimated volu	\$426.60 FITIES 25 5 LCY Ime: Division of 11 factor: Cat Hand TION 50 feet	\$41.30			
Ripper op. Cost/Hour:         Operator Cost/Hour:         Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       778         Swell factor:       1.12         Loose volume:       875         Source of estimated volu       Source of estimated swelt         HOURLY PRODUC       Average push distance:	\$426.60 FITIES 25 5 LCY ume: Division of Cat Hand TION 50 feet 1,400.0 LC	\$41.30	on, Mining & Safety		
Ripper op. Cost/Hour:         Operator Cost/Hour:         Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUANY         Initial Volume:       778         Swell factor:       1.12         Loose volume:       875         Source of estimated volu       Source of estimated swel         HOURLY PRODUC       Average push distance:         Unadjusted hourly produce       100	\$426.60 FITIES 25 5 LCY ume: Division of Cat Hand TION 50 feet 1,400.0 LC	\$41.30 	on, Mining & Safety		
Ripper op. Cost/Hour:         Operator Cost/Hour:         Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUANY         Initial Volume:         778         Swell factor:         1.12         Loose volume:         875         Source of estimated volu         Source of estimated swell         HOURLY PRODUC         Average push distance:         Unadjusted hourly produ         Materials consistency de         Average push gradient:	\$426.60         FITTES         25         5 LCY         11 factor:       Division of Cat Hand         TION         action:       50 feet         action:       1,400.0 LC         escription:       Partly of Cat Hand         30 %       30 %	\$41.30 	on, Mining & Safety		
Ripper op. Cost/Hour:         Operator Cost/Hour:         Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       778         Swell factor:       1.12         Loose volume:       875         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:	\$426.60 <b>FITIES</b> 25         5 LCY         ime:       Division of Cat Hand         Il factor:       Cat Hand <b>TION</b> action:       1,400.0 LC         escription:       Partly c         30 %       6,500 feet	\$41.30	on, Mining & Safety		
Ripper op. Cost/Hour:         Operator Cost/Hour:         Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUANY         Initial Volume:       778         Swell factor:       1.12         Loose volume:       875         Source of estimated volu       875         Source of estimated swell       875         HOURLY PRODUC       Average push distance:         Unadjusted hourly produ       Materials consistency de         Average push gradient:       Average site altitude:         Material weight:       Weight description:         Iob Condition Correction       1000	\$426.60 <b>FITTLES</b> 25         5 LCY         ume:       Division of Cat Hand         If factor:       Cat Hand <b>TION</b> action:       1,400.0 LC         escription:       Partly of 6,500 feet         30 %       6,500 feet         2,550 lbs/LCY       Earth - Dry packed         n Factor       Factor	\$41.30	on, Mining & Safety		
Ripper op. Cost/Hour:         Operator Cost/Hour:         Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUANY         Initial Volume:       778         Swell factor:       1.12         Loose volume:       875         Source of estimated volu       875         Source of estimated swell       875         MOURLY PRODUC       Average push distance:         Unadjusted hourly produ       Materials consistency de         Average push gradient:       Average site altitude:         Material weight:       Weight description:         Iob Condition Correction       Operator	\$426.60         ITTIES         25 $1 \text{CY}$ Ime:       Division of Cat Hand         If factor:       Cat Hand         TION         action: $50$ feet         action: $1,400.0 \text{ LCY}$ escription:       Partly of Cat Hand $30 \%$ $6,500$ feet $2,550 \text{ lbs/LCY}$ Earth - Dry packed $n \text{ Factor}$ $0.$	\$41.30	on, Mining & Safety  stockpile 1.1 <u>Source</u> (AVG.)		
Ripper op. Cost/Hour:         Operator Cost/Hour:         Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUANY         Initial Volume:         978         Swell factor:         1.12         Loose volume:         875         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:         Iob Condition Correction         Operator	\$426.60         FITTLES         25 $1 \text{CY}$ ume:       Division of Cat Hand         Il factor:       Cat Hand         TION         action: $50$ feet         action: $1,400.0 \text{ LC}$ escription:       Partly c $30 \%$ $6,500$ feet $2,550 \text{ lbs/LCY}$ Earth - Dry packed $n \text{ Factor}$ $0.$ tency: $1.$	\$41.30 	on, Mining & Safety		
Ripper op. Cost/Hour:         Operator Cost/Hour:         Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUANY         Initial Volume:         978         Swell factor:         1.12         Loose volume:         875         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:         Iob Condition Correction         Operator         Material consist         Dozing mode	\$426.60 <b>FITTLES</b> 25 $25$ $3$ LCY         ume:       Division of Cat Hand         Il factor:       Cat Hand <b>TION</b> action: $50$ feet         action: $1,400.0$ LC         escription:       Partly of $30$ % $6,500$ feet $2,550$ lbs/LCY       Earth - Dry packed <b>n</b> Factor $\circ$ Skill: $0.$ tency: $1.$	\$41.30	on, Mining & Safety  stockpile 1.1 <u>Source</u> (AVG.)		

Task # 001B

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	0.298	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.902	(CAT HB)
Blade type:	1.000	(PAT)
Net correction:	0.1472	
Adjusted unit production: 20	06.08 LCY/hr	
Adjusted fleet production: 2	06.08 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$2.070/LCY

Total job time:	<b>4.25</b> Hours
Total job cost:	\$1,812

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		· · · · · · · · · · · · · · · · · · ·	ccess Road embankmen	11	
Chambers Pit	Per	mit Action:	August 2023 update	Permit/Job#:	M1980136
PROJECT IDENTIF	ICATION				
Task #:         001C           Date:         8/24/2023           User:         LDS	State: County:	Colorado Eagle		Abbreviation: Filename:	None M136-001c
Agency or organ	nization name: DI	RMS			
HOURLY EQUIPME	ENT COST				
	t D8T - 8SU				
Horsepower: 310					
<i>•</i> • • • • • • • • • • • • • • • • • •	mi-Universal				
Attachment: NA					
	per day				
Data Source: (CI	RG)				
Cost Breakdown:					
			Utilization %		
Ownership Cost/Hour:		\$241.38	NA		
Operating Cost/Hour:		\$143.92	100		
Ripper own. Cost/Hour:		\$0.00	NA		
Ripper op. Cost/Hour:		\$0.00	0		
Operator Cost/Hour:		\$41.30	NA		
Total Fleet Cost/Hour: MATERIAL QUANT	\$426.60 [ITIES				
MATERIAL QUANT Initial Volume: 563	<u>FITIES</u>				
MATERIAL QUANT Initial Volume: 563 Swell factor: 1.12	<u>FITIES</u>				
MATERIAL QUANT Initial Volume: 563 Swell factor: 1.12	<b>TITIES</b> 25 LCY	 of Reclamati	on, Mining & Safety		
MATERIAL QUANTInitial Volume:563Swell factor:1.12Loose volume:633	TITIES 25 LCY me: _Division		on, Mining & Safety		
MATERIAL QUANTInitial Volume:563Swell factor:1.12Loose volume:633Source of estimated volume	TITIES 25 LCY me: _Division		on, Mining & Safety		
MATERIAL QUANTInitial Volume:563Swell factor:1.12Loose volume:633Source of estimated volume	<b>CITIES</b> 25         LCY         me:       Division         1 factor:       Cat Hance		on, Mining & Safety		
MATERIAL QUANT         Initial Volume:       563         Swell factor:       1.12         Loose volume:       633         Source of estimated volu         Source of estimated swel         HOURLY PRODUCT	Division       1 factor:       Cat Hance		on, Mining & Safety		
MATERIAL QUANT         Initial Volume:       563         Swell factor:       1.12         Loose volume:       633         Source of estimated volu         Source of estimated volu         Source of estimated swel         HOURLY PRODUCT         Average push distance:	Division         1 factor:       Division         TION       50 feet	lbook	on, Mining & Safety		
MATERIAL QUANT         Initial Volume:       563         Swell factor:       1.12         Loose volume:       633         Source of estimated volu         Source of estimated swel         HOURLY PRODUCT	Division         1 factor:       Division         TION       50 feet	lbook	on, Mining & Safety		
MATERIAL QUANT         Initial Volume:       563         Swell factor:       1.12         Loose volume:       633         Source of estimated volu         Source of estimated volu         Source of estimated swel         HOURLY PRODUCT         Average push distance:	Division         1 factor:       Division         Cat Hand         Division         1 factor:       Cat Hand         Division         1 factor:         0 feet         1,400.0 LC	lbook			
MATERIAL QUANT         Initial Volume:       563         Swell factor:       1.12         Loose volume:       633         Source of estimated volu         Source of estimated swel         HOURLY PRODUCT         Average push distance:         Unadjusted hourly product	Division         1 factor:       Division         Cat Hand         Division         1 factor:       Cat Hand         Division         1 factor:         0 feet         1,400.0 LC	lbook Y/hr			
MATERIAL QUANT         Initial Volume:       563         Swell factor:       1.12         Loose volume:       633         Source of estimated volu         Source of estimated swel         HOURLY PRODUC?         Average push distance:         Unadjusted hourly produce         Materials consistency dest         Average push gradient:	Structure       Division         25       LCY         me:       Division         1 factor:       Cat Hance         TION       50 feet         ction:       1,400.0 LC         scription:       Partly        30 %	lbook Y/hr			
MATERIAL QUANT         Initial Volume:       563         Swell factor:       1.12         Loose volume:       633         Source of estimated volu         Source of estimated volu         Source of estimated volu         Average push distance:         Unadjusted hourly produc         Materials consistency des         Average push gradient:         Average site altitude:	EITIES           25           LCY           me:         Division           1 factor:         Cat Hance           TION           ction:         50 feet           ction:         1,400.0 LC           scription:         Partly           30 %         6,500 feet	lbook Y/hr consolidated			
MATERIAL QUANT         Initial Volume:       563         Swell factor:       1.12         Loose volume:       633         Source of estimated volu         Source of estimated volu         Source of estimated swel         HOURLY PRODUCT         Average push distance:         Unadjusted hourly product         Materials consistency des         Average push gradient:         Average site altitude:         Material weight:	EITIES         25         LCY         me:       Division         1 factor:       Cat Hance         TION         ction:       50 feet         ction:       1,400.0 LC         scription:       Partly         30 %       6,500 feet         2,550 lbs/LCY       Earth - Dry packed	lbook Y/hr consolidated			
MATERIAL QUANT         Initial Volume:       563         Swell factor:       1.12         Loose volume:       633         Source of estimated volu         Source of estimated volu         Source of estimated volu         Source of estimated volu         Materials consistency des         Average push distance:         Unadjusted hourly produc         Materials consistency des         Average push gradient:         Average site altitude:         Material weight:         Weight description:         Job Condition Correction         Operator	<b>EITIES</b> 25         LCY         me:       Division         1 factor:       Cat Hand <b>TION</b> ction:       50 feet         ction:       1,400.0 LC         scription:       Partly of 6,500 feet         2,550 lbs/LCY       Earth - Dry packed         n Factor       0	lbook Y/hr consolidated d .750	stockpile 1.1		
MATERIAL QUANT         Initial Volume:       563         Swell factor:       1.12         Loose volume:       633         Source of estimated volu         Source of estimated swel         HOURLY PRODUC?         Average push distance:         Unadjusted hourly produce         Materials consistency des         Average push gradient:         Average site altitude:         Material weight:         Weight description:         Job Condition Correction         Operator         Material consist	Substrain         Substrain <thsubstrain< th=""> <thsubstrain< th=""> <ths< td=""><td>lbook Y/hr consolidated d .750 .100</td><td>stockpile 1.1</td><td></td><td></td></ths<></thsubstrain<></thsubstrain<>	lbook Y/hr consolidated d .750 .100	stockpile 1.1		
MATERIAL QUANT         Initial Volume:       563         Swell factor:       1.12         Loose volume:       633         Source of estimated volu         Source of estimated swel         HOURLY PRODUC?         Average push distance:         Unadjusted hourly produce         Materials consistency destance:         Average push gradient:         Average site altitude:         Material weight:         Weight description:         Job Condition Correction         Operator         Material consist         Dozing me	Substrain       Substrain         State       State	lbook Y/hr consolidated d .750	stockpile 1.1 <u>Source</u> (AVG.)		

Task # 001C

0.830	(1 SHIFT/DAY)
0.800	(FND-RF)
0.298	(CAT HB)
1.000	(CAT HB)
0.902	(CAT HB)
1.000	(PAT)
0.1472	
206.08 LCY/hr	
206.08 LCY/hr	
	0.800 0.298 1.000 0.902 1.000 0.1472 206.08 LCY/hr

Fleet size:	1 Dozer(s)
Unit cost:	\$2.070/LCY

Total job time:	<b>3.07</b> Hours
Total job cost:	\$1,310

Page 1 of 2

Chambers Pit       Permit Action:       August 2023 update       Permit/Job#:       M1980136         PROJECT IDENTIFICATION       Task #:       001D       State:       Colorado       Abbreviation:       None         Date:       8/24/2023       County:       Eagle       Abbreviation:       M136-001d         User:       LDS       County:       Eagle       Abbreviation:       M136-001d         Horspower:       310       Eagle       Filename:       M136-001d         Baise Machine:       Cat D8T - 8SU       Horspower:       M136-001d         Baise Type:       Smith Cost:       Smith       Massing       M136-001d         Baise Type:       Smith Cost:       NA       M136-001d       M136-001d         Data Source:       (CR)       Cost       Massing       M136-001d         Ownership Cost/Hour:       S241.38       NA       Massing       Massing         Operator Cost/Hour:       S426.60       NA       Massing       Massing       Massing         Source of estimated source:       Subject which cost:       S426.60       Massing       Massing       Massing       Massing         Source of estimated source:       I.125       Source of estimated source:       Subject Wisthit <td< th=""><th></th><th>Dackini/grade (</th><th>o 5:1, Light-t</th><th>ise road embankment</th><th></th><th></th></td<>		Dackini/grade (	o 5:1, Light-t	ise road embankment		
Task #:       001D       State:       Colorado       Abbreviation:       None         Date:       LDS       County:       Eagle       Filename:       M136-001d         Agency or organization name:       DRMS         HOURLY EQUIPMENT COST         Basic Machine:       Cat D8T - 8SU         Horsepower:       310         Blade Type:       Semi-Universal         Attachment:       NA         Shift Basis:       1 per day         Data Source:       (CRG)         Cost Breakdown:       Cost Hour:         Ownership Cost/Hour:       \$241.38       NA         Operating Cost/Hour:       \$30.00       NA         Ripper opt.       CostHour:       \$426.60         Matterinaeux       \$426.60       Safety         Source of estimated volume:       Division of Reclamation, Mining & Safety         Source of estimated swell factor:       Cat Handbook         HOURLY PRODUCTION       Materiale consistency description:         Material consistency description:       Party consolidated stockpile 1.1         Average ush distance: $2,550$ Ibs/LCY         Material consistency description:       Party consolidated stockpile 1.1         Average push gradinet: $2,2$	Chambers Pit	Pe	rmit Action:	August 2023 update	Permit/Job#:	M1980136
Date:       R/24/2023       County:       Eagle       Filename:       M136-001d         User:       LDS	PROJECT IDENTIF	FICATION				
HOURLY EOUPPHIET COST         Basic Machine:       Cat D8T - 8SU         Horsepower:       310         Blade Type:       Semi-Universal         Attachment:       NA         Shift Basis:       I per day         Data Source:       (CRG)         Cost Breakdown:       Staft Basis:         Ownership Cost/Hour:       \$241.38         NA       NA         Operating Cost/Hour:       \$143.39         Source Cost/Hour:       \$41.30         Operating Cost/Hour:       \$426.60         Total unit Cost/Hour:       \$426.60         MATERIAL OVANTITIES       Initial Volume:         Initial Volume:       1.125         Loose volume:       1.563 LCY         Source of estimated volume:       Division of Reclamation, Mining & Safety         Source of estimated swell factor:       Cat Handbook         HOURLY PRODUCTION       1.400.0 LCY/hr         Materials consistency description:       Party consolidated stockpile 1.1         Average push distance:       50 feet         Unadjusted hourly production:       1.400.0 LCY/hr         Material consistency description:       Party consolidated stockpile 1.1         Average site altitiude:       6,500 feet <t< th=""><th>Date: 8/24/2023</th><th></th><th></th><th></th><th>-</th><th></th></t<>	Date: 8/24/2023				-	
Basic Machine:       Cat DST - 8SU         Horsepower:       310         Blade Type:       Semi-Universal         Attachmet:       NA         Shift Basis:       1 per day         Data Source:       (CRG)         Cost Breakdown:       NA         Ownership Cost/Hour:       \$241.38       NA         Operating Cost/Hour:       \$143.92       100         Ripper op. Cost/Hour:       \$143.92       100         Operating Cost/Hour:       \$41.30       NA         Operator Cost/Hour:       \$426.60       Status         Total Pileet Cost/Hour:       \$426.60       Status         MATERIAL OUANTITIES       State.60       Status         Initial Volume:       1,389       State.60         Source of estimated volume:       Division of Reclamation, Mining & Safety       Source         Source of estimated volume:       Division of Reclamation, Mining & Safety       Source         HOURLY PRODUCTION       Average push distance:       50 feet       Source         Unajusted hourly production:       1.400.0 LCY/hr       Materials consistency description:       Party consolidated stockpile 1.1         Average push gradient: $30 \%$ Source       Source       Good feet <t< td=""><td>Agency or orga</td><td>anization name:</td><td>RMS</td><td></td><td></td><td></td></t<>	Agency or orga	anization name:	RMS			
Horsepower:       310         Blade Type:       Semi-Universal         Attachmeti:       NA         Shift Basis:       1 per day         Data Source:       (CRG)         Cost Breakdown:       Stat Source:         Ownership Cost/Hour:       \$241.38         Operating Cost/Hour:       \$134.392         Operating Cost/Hour:       \$0.00         Ripper op. Cost/Hour:       \$0.00         Operator Cost/Hour:       \$41.30         NA       Operator Cost/Hour:         Statistic Cost/Hour:       \$426.60         Total Piet Cost/Hour:       \$426.60         MATERIAL OUANTITES       Initial Volume:         Initial Volume:       1,389         Swell factor:       1.125         Loose volume:       Division of Reclamation, Mining & Safety         Source of estimated swell factor:       Cat Handbook         HOURLY PRODUCTION       Average push distance:       50 feet         Unadjusted hourly production:       Partly consolidated stockpile 1.1         Average push gradient:       30 %         Average site altitude:       6.500 feet         Material weight:       2,550 lbs/LCY         Weight description:       Earth - Dry packed <t< td=""><td>HOURLY EQUIPM</td><td>ENT COST</td><td></td><td></td><td></td><td></td></t<>	HOURLY EQUIPM	ENT COST				
Utilization %         Ownership Cost/Hour:       \$241.38       NA         Operating Cost/Hour:       \$143.92       100         Ripper op. Cost/Hour:       \$0.00       NA         Ripper op. Cost/Hour:       \$0.00       0         Operator Cost/Hour:       \$41.30       NA         Total unit Cost/Hour:       \$426.60       S426.60         MATERIAL OUANTITIES       Swell factor:       1.125         Initial Volume:       1,389       Swell factor:       1.125         Lose volume:       1,563 LCY       Source of estimated swell factor:       Cat Handbook         HOURLY PRODUCTION       Average push distance:       50 feet       1,400.0 LCY/hr         Materials consistency description:       Partly consolidated stockpile 1.1       Average site altitude:       6,500 feet         Material weight:       2,550 lbs/LCY       Material engistency:       Source         Weight description:       Earth - Dry packed       Io00       (CAT HB)         Dozing method:       1.000       (CAT HB)       Dozing method:	Horsepower: 31 Blade Type: Se Attachment: NA Shift Basis: 1 Data Source: (C	0 emi-Universal A per day				
Ownership Cost/Hour:       \$241.38       NA         Operating Cost/Hour:       \$143.92       100         Ripper own. Cost/Hour:       \$0.00       NA         Ripper op. Cost/Hour:       \$0.00       NA         Operator Cost/Hour:       \$41.30       NA         Total unit Cost/Hour:       \$426.60       NA         Total Fleet Cost/Hour:       \$426.60       NA         MATERIAL QUANTITIES       Initial Volume:       1,389         Swell factor:       1.125       Loose volume:       Loose volume:         Loose volume:       1,563 LCY       Cat Handbook       Material solution of Reclamation, Mining & Safety         Source of estimated volume:       Division of Reclamation, Mining & Safety       Cat Handbook         HOURLY PRODUCTION       Average push distance:       50 feet       1,400.0 LCY/hr         Materials consistency description:       Partly consolidated stockpile 1.1       Average push gradient:       30 %         Average site altitude:       6,500 feet       Material weight:       2,550 lbs/LCY         Weight description:       Earth - Dry packed       Material consistency:       1,100         Material consistency:       0.750       (AVG.)       Material consistency:         Material consistency:       0.750	<u>Cost Breakdown</u> :		1	Utilization %		
Ripper own. Cost/Hour: $$0.00$ NA         Ripper op. Cost/Hour: $$0.00$ 0         Operator Cost/Hour: $$41.30$ NA         Total unit Cost/Hour: $$426.60$ NA         Total Fleet Cost/Hour: $$426.60$ NA         MATERIAL QUANTITIES       Initial Volume: $1.389$ Swell factor: $1.125$ Loose volume: $1.563$ LCY         Source of estimated volume:       Division of Reclamation, Mining & Safety       Cat Handbook         HOURLY PRODUCTION       Average push distance: $50$ feet       1.400.0 LCY/hr         Materials consistency description:       Partly consolidated stockpile 1.1       Average push gradient: $30$ %         Average site altitude: $6.500$ feet	Ownership Cost/Hour:					
Ripper op. Cost/Hour: $$0.00$ 0         Operator Cost/Hour: $$41.30$ NA         Total unit Cost/Hour: $$426.60$ Total Fleet Cost/Hour: $$426.60$ MATERIAL OUANTITIES         Initial Volume: $1.389$ Swell factor: $1.125$ Loose volume: $1.563$ LCY         Source of estimated volume:       Division of Reclamation, Mining & Safety         Source of estimated swell factor:       Cat Handbook         HOURLY PRODUCTION         Average push distance:       50 feet         Unadjusted hourly production:       1,400.0 LCY/hr         Materials consistency description:       Partly consolidated stockpile 1.1         Average push gradient:       30 %         Average site altitude:       6,500 feet         Material weight:       2,550 lbs/LCY         Weight description:       Earth - Dry packed         Iob Condition Correction Factor       Source         Operator Skill:       0.750         Material consistency:       1.100         Material consistency:       1.100         Korage in method:       1.000						
Operator Cost/Hour:       \$41.30       NA         Total unit Cost/Hour:       \$426.60         Total Fleet Cost/Hour:       \$426.60         MATERIAL QUANTITIES         Initial Volume:       1.389         Swell factor:       1.125         Loose volume:       1.563 LCY         Source of estimated volume:       Division of Reclamation, Mining & Safety         Source of estimated swell factor:       Cat Handbook         HOURLY PRODUCTION       Average push distance:       50 feet         Unadjusted hourly production:       1.400.0 LCY/hr         Materials consistency description:       Partly consolidated stockpile 1.1         Average push gradient:       30 %         Average site altitude:       6,500 feet         Material weight:       2,550 lbs/LCY         Weight description:       Earth - Dry packed         Iob Condition Correction Factor       Source         Operator Skill:       0.750       (AVG.)         Material consistency:       1.100         Material consistency:       1.100       (CAT HB)         Dozing method:       1.000       (GEN.)						
Total unit Cost/Hour: $\frac{\$426.60}{\$426.60}$ Total Fleet Cost/Hour: $\frac{\$426.60}{\$426.60}$ MATERIAL QUANTITIES         Initial Volume: $1.389$ Swell factor: $1.125$ Loose volume: $1.563$ LCY         Source of estimated volume:       Division of Reclamation, Mining & Safety         Source of estimated swell factor:       Cat Handbook         HOURLY PRODUCTION         Average push distance: $50$ feet         Unadjusted hourly production:       Partly consolidated stockpile 1.1         Average push gradient: $30$ %         Average site altitude: $6,500$ feet         Material weight:       2,550 lbs/LCY         Weight description:       Earth - Dry packed         Iob Condition Correction Factor       Source         Operator Skill: $0.750$ Material consistency: $1.100$ Material consistency: $1.000$						
Total Fleet Cost/Hour:       \$426.60         MATERIAL QUANTITIES         Initial Volume:       1.389         Swell factor:       1.125         Loose volume:       1,563 LCY         Source of estimated volume:       Division of Reclamation, Mining & Safety         Source of estimated swell factor:       Cat Handbook         HOURLY PRODUCTION       Average push distance:       50 feet         Unadjusted hourly production:       1,400.0 LCY/hr         Materials consistency description:       Partly consolidated stockpile 1.1         Average push gradient:       30 %         Average site altitude:       6,500 feet         Material weight:       2,550 lbs/LCY         Weight description:       Earth - Dry packed         Iob Condition Correction Factor       Source         Operator Skill:       0.750         Material consistency:       1.100         Material consistency:       1.100	Operator Cost/Hour:		\$41.30	NA		
Average push gradient:     30 %       Average site altitude:     6,500 feet       Material weight:     2,550 lbs/LCY       Weight description:     Earth - Dry packed       Iob Condition Correction Factor     Source       Operator Skill:     0.750       Material consistency:     1.100       Iob Condition Correction Factor     Gauce	MATERIAL QUAN	\$426.60 TITIES				
Average site altitude:       6,500 feet         Material weight:       2,550 lbs/LCY         Weight description:       Earth - Dry packed         Iob Condition Correction Factor       Source         Operator Skill:       0.750         Material consistency:       1.100         Dozing method:       1.000	MATERIAL QUAN         Initial Volume:       1,38         Swell factor:       1.12         Loose volume:       1,50         Source of estimated volu       Source of estimated swel         HOURLY PRODUC       Average push distance:	\$426.60 TITIES 89 25 63 LCY 1me: Divisior 11 factor: Cat Han TION 50 feet	dbook	on, Mining & Safety		
Weight description:       Earth - Dry packed         Iob Condition Correction Factor       Source         Operator Skill:       0.750       (AVG.)         Material consistency:       1.100       (CAT HB)         Dozing method:       1.000       (GEN.)	MATERIAL QUAN         Initial Volume:       1,38         Swell factor:       1.12         Loose volume:       1,50         Source of estimated volu       1,50         Source of estimated swell       1,50         HOURLY PRODUC       1,50         Average push distance:       1,12         Unadjusted hourly produced       1,50	\$426.60 <b>TITIES</b> 89         25 <b>63</b> LCY         Ime:       Divisior         If factor:       Cat Han <b>TION</b> action:       50 feet         1,400.0 LC	dbook CY/hr			
Job Condition Correction FactorSourceOperator Skill:0.750Material consistency:1.100Dozing method:1.000	MATERIAL QUANT         Initial Volume:       1,38         Swell factor:       1.12         Loose volume:       1,50         Source of estimated volu       1,50         Source of estimated swell       1,50         HOURLY PRODUC       Average push distance:         Unadjusted hourly produce       Materials consistency de         Average push gradient:       1,50	\$426.60         IITIES         89         25         63 LCY         Ime:       Division         Il factor:       Cat Han         TION         action:       50 feet         1,400.0 LG         escription:       Partly         _30 %	dbook CY/hr			
Operator Skill:0.750(AVG.)Material consistency:1.100(CAT HB)Dozing method:1.000(GEN.)	MATERIAL QUANY         Initial Volume:       1,38         Swell factor:       1,12         Loose volume:       1,50         Source of estimated volu       Source of estimated swell         Source of estimated swell       Source         HOURLY PRODUC       Average push distance:         Unadjusted hourly product       Materials consistency de         Average push gradient:       Average site altitude:	\$426.60         TITIES         89         25         63 LCY         Ime:       Divisior         11 factor:       Cat Han         CTION         action:       50 feet         action:       1,400.0 LC         escription:       Partly         30 %       6,500 feet	dbook CY/hr			
Material consistency:1.100(CAT HB)Dozing method:1.000(GEN.)	MATERIAL QUANT         Initial Volume:       1,38         Swell factor:       1.12         Loose volume:       1,50         Source of estimated volu       Source of estimated swell         Source of estimated swell       Source         HOURLY PRODUC       Average push distance:         Unadjusted hourly produ       Materials consistency de         Average push gradient:       Average site altitude:         Material weight:       Material weight:	\$426.60 <b>TITIES</b> 89         25 <b>63</b> LCY         Ime:       Division         Il factor:       Cat Han <b>TION</b> action:       50 feet         1,400.0 LC         escription:       Partly         30 %       6,500 feet         2,550 lbs/LCY	dbook CY/hr consolidated			
Dozing method: 1.000 (GEN.)	MATERIAL QUANY         Initial Volume:       1,38         Swell factor:       1,12         Loose volume:       1,56         Source of estimated volu       Source of estimated swell         Source of estimated swell       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:         Iob Condition Correction       Iob Condition Correction	\$426.60         TITIES         89         25         63 LCY         ime:       Divisior         11 factor:       Cat Han         TION         action:       50 feet         intervention:       Partly         30 %       6,500 feet         2,550 lbs/LCY       Earth - Dry packed         n Factor       Factor	dbook CY/hr consolidated	stockpile 1.1		
	MATERIAL QUANT         Initial Volume:       1,38         Swell factor:       1.12         Loose volume:       1,50         Source of estimated volu       Source of estimated swell         Source of estimated swell       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:         Iob Condition Correction       Operator	\$426.60         TITIES         89         25         63 LCY         Ime:       Divisior         11 factor:       Cat Han         TION         action:       50 feet         action:       1,400.0 LC         escription:       Partly         30 %       6,500 feet         2,550 lbs/LCY       Earth - Dry packet         n Factor       0	dbook CY/hr consolidated ed	stockpile 1.1 <u>Source</u> (AVG.)		
	MATERIAL QUANT         Initial Volume:       1,38         Swell factor:       1.12         Loose volume:       1,50         Source of estimated volu       Source of estimated swell         Source of estimated swell       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:         Iob Condition Correction       Operator         Material consist       Operator	\$426.60 <b>TITIES</b> 89         25         63 LCY         ime:       Divisior         11 factor:       Cat Han <b>TION</b> action:       50 feet         interior:       Partly         30 %       6,500 feet         2,550 lbs/LCY       Earth - Dry packed         n Factor       Skill:       0	dbook CY/hr consolidated ed 0.750 1.100			

Task # 001D

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	0.298	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.902	(CAT HB)
Blade type:	1.000	(PAT)
Net correction:	0.1472	
Adjusted unit production: 20	)6.08 LCY/hr	
Adjusted fleet production: 20	06.08 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$2.070/LCY

Total job time:	7.58 Hours
Total job cost:	\$3,235

Task description:	Backfill/grade to	5.1, south v	est of sun netus		
Chambers Pit	Per	mit Action:	August 2023 update	Permit/Job#:	M1980136
PROJECT IDENTI	FICATION				
Task #: 001E	State:	Colorado		Abbreviation:	None
Date: $\frac{8/24}{2023}$		Eagle		Filename:	M136-001e
User: LDS	County.	Lugie		i nonunie.	
Agency or orga	anization name: DI	RMS			
HOURLY EQUIPM	ENT COST				
Basic Machine: Ca	at D8T - 8SU				
Horsepower: 31	0				
Blade Type: Se	emi-Universal				
Attachment: N	A				
Shift Basis: 1	per day				
	CRG)				
Cost Breakdown:					
<u>COSt DICARGOWII</u> .			Utilization %		
Ownership Cost/Hour:		\$241.38	NA		
Operating Cost/Hour:		\$143.92	100		
		\$0.00	NA		
Ripper own Cost/Hour		\$0.00	0		
Ripper own. Cost/Hour: Ripper op. Cost/Hour:			0		
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour:	\$426.60 <b>\$426.60</b>	\$41.30	NA		
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN	\$426.60 \$426.60 TITIES		NA		
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume:1,4	\$426.60 \$426.60 TITIES 00		NA		
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN' Initial Volume: <u>1,4</u> Swell factor: <u>1,1</u>	\$426.60 \$426.60 TITIES 00 25		NA		
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN' Initial Volume: <u>1,4</u> Swell factor: <u>1,1</u>	\$426.60 \$426.60 TITIES 00		NA		
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN' Initial Volume: <u>1,4</u> Swell factor: <u>1,1</u>	\$426.60 \$426.60 TITIES 00 25 75 LCY	\$41.30	NA  on, Mining & Safety		
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 1,4 Swell factor: 1,1 Loose volume: 1,5	\$426.60 <b>\$426.60</b> TITIES 00 25 75 LCY ume:Division	\$41.30			
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 1,4 Swell factor: 1.1 Loose volume: 1,5 Source of estimated volu Source of estimated swe	\$426.60 \$426.60 TITIES 00 25 75 LCY ume: Division Cat Hance	\$41.30			
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 1,4 Swell factor: 1,1 Loose volume: 1,5 Source of estimated volu	\$426.60 \$426.60 TITIES 00 25 75 LCY ume: Division Cat Hance	\$41.30			
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 1,4 Swell factor: 1.1 Loose volume: 1,5 Source of estimated volu Source of estimated swe HOURLY PRODUC Average push distance:	\$426.60 \$426.60 TITIES 00 25 75 LCY ume: Division cat Hance CTION 50 feet	\$41.30			
Ripper op. Cost/Hour:         Operator Cost/Hour:         Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUAN         Initial Volume:       1,4         Swell factor:       1.1         Loose volume:       1,5         Source of estimated volu       Source of estimated swe         HOURLY PRODUC       100	\$426.60 \$426.60 TITIES 00 25 75 LCY ume: Division cat Hance CTION 50 feet	\$41.30			
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 1,4 Swell factor: 1.1 Loose volume: 1,5 Source of estimated volu Source of estimated swe HOURLY PRODUC Average push distance:	\$426.60 \$426.60 TITIES 00 25 75 LCY ume: Division cll factor: Cat Hanc CTION 50 feet uction: 1,400.0 LC	\$41.30	on, Mining & Safety		
Ripper op. Cost/Hour:         Operator Cost/Hour:         Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUAN'         Initial Volume:         1.4'         Swell factor:         1.1'         Loose volume:         1.5'         Source of estimated volu         Source of estimated swe         HOURLY PRODUC         Average push distance:         Unadjusted hourly product         Materials consistency de         Average push gradient:	\$426.60 \$426.60 TITIES 00 25 75 LCY ume: Division 21 factor: Cat Hand Cat Hand CTION uction: 50 feet 1,400.0 LC escription: Partly of 30 %	\$41.30 	on, Mining & Safety		
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 1,44 Swell factor: 1,17 Loose volume: 1,5 Source of estimated volu Source of estimated swe HOURLY PRODUC Average push distance: Unadjusted hourly produ	\$426.60 \$426.60 TITIES 00 25 75 LCY ume: Division 21 factor: Cat Hand Cat Hand CTION 50 feet uction: 1,400.0 LC escription: Partly	\$41.30 	on, Mining & Safety		
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 1,4 Swell factor: 1.1 Loose volume: 1,5 Source of estimated volu Source of estimated volu Source of estimated swe HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average push gradient: Average site altitude:	\$426.60 \$426.60 TITIES 00 25 75 LCY ume: Division 21 factor: Cat Hand Cat Hand CTION uction: 50 feet 1,400.0 LC escription: Partly of 30 %	\$41.30 	on, Mining & Safety		
Ripper op. Cost/Hour:         Operator Cost/Hour:         Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUAN'         Initial Volume:         1.4'         Swell factor:         1.1'         Loose volume:         1.5'         Source of estimated volu         Source of estimated swe         HOURLY PRODUC         Average push distance:         Unadjusted hourly product         Materials consistency de         Average push gradient:	\$426.60 \$426.60 TITIES 00 25 75 LCY ume: Division Cat Hand Cat Hand CTION 50 feet uction: 1,400.0 LC escription: Partly 30 % 6,500 feet	\$41.30 	on, Mining & Safety		
Ripper op. Cost/Hour:         Operator Cost/Hour:         Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       1,4         Swell factor:       1.1         Loose volume:       1,5         Source of estimated volu       Source of estimated sweether         HOURLY PRODUC       Average push distance:         Unadjusted hourly product       Materials consistency details         Average push gradient:       Average site altitude:         Material weight:       Weight description:         Job Condition Correction       Source to content on the second	\$426.60 \$426.60 TITIES 00 25 75 LCY ume: Division 21 factor: Cat Hanc Cat Hanc	\$41.30 	on, Mining & Safety		
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 1,4 Swell factor: 1.1 Loose volume: 1,5 Source of estimated volu Source of estimated swee HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correctio Operator	$\begin{array}{c c} \$426.60 \\ \hline \$426.60 \\ \hline \\ $	\$41.30 	on, Mining & Safety  stockpile 1.1 <u>Source</u> (AVG.)		
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 1,44 Swell factor: 1,17 Loose volume: 1,5 Source of estimated volu Source of estimated volu Source of estimated swee HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correctio Operator Material consist	$\begin{array}{c c} \$426.60 \\ \hline \$426.60 \\ \hline \\ $	\$41.30 	on, Mining & Safety stockpile 1.1 <u>Source</u> (AVG.) (CAT HB)		
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 1,44 Swell factor: 1,17 Loose volume: 1,5 Source of estimated volu Source of estimated volu Source of estimated swee HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correctio Operator Material consis Dozing m	$\begin{array}{c c} & \$426.60 \\ \hline \$426.60 \\ \hline \\ $	\$41.30 	on, Mining & Safety  stockpile 1.1 <u>Source</u> (AVG.)		

Task # 001E

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	0.298	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.902	(CAT HB)
Blade type:	1.000	(PAT)
Net correction:	0.1472	
Adjusted unit production: 20	06.08 LCY/hr	
Adjusted fleet production: 20	06.08 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$2.070/LCY

Total job time:	<b>7.64</b> Hours
Total job cost:	\$3,260

## **DEMOLITION WORK**

<b>r</b>	Task description:	Demolish existing structures						
Site:	Chambers Pit		Permit Action:	August 2023 update	Permit/J	lob#: <u>M1980136</u>		
PROJE	CT IDENTIFICATION	<u>1</u>						
Task #:	002	State:	Colorado		Abbreviation:	None		
Date:	8/24/2023	County:	Eagle		Filename:	M136-002		
User:	LDS							
	Agency or organization	ion name:	DRMS					

## UNIT COSTS

## Location adjustment: 86.90 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Demolish truck scale	70'x10'	Bridge Demolition - Steel	700.00	SF	\$11.90	\$8,330.00
Demolish truck scale building	10'x10'	Bldg. (SN) demo./off- site disposal in approved landfill - Max. 5 mile haul	800.00	CF	\$0.33	\$263.60
Demolish truck scale slab	200'x10'	Demo. and on-site disposal in excavated pit, 12 in. thick - Max. 200 ft. push	2,000.00	SF	\$2.60	\$5,209.00
Demolish facilities slab	200'x100'	Demo. and on-site disposal in excavated pit, 6 in. thick - Max. 200 ft. push	20,000.00	SF	\$1.30	\$26,046.00

				<b>Total Cost</b>	
		Subtotal		(adjusted for	
Job Hours:	40.00	(unadjusted):	\$39,848.60	location):	\$34,628.43

## EQUIPMENT MOBILIZATION/DEMOBILIZATION

	ask description:							
: _	Chambers Pit		Permit	Action: Augu	st 2023 up	date	Permit/Job#: <u>N</u>	11980136
PR	ROJECT IDE	NTIFICATI	<u>ON</u>					
	Task #: 003			olorado			eviation: None	
	Date: 8/24 User: LD	4/2023 S	County: <u>Ea</u>	gle		Fi	ilename: M13	6-003
	Agency of	or organization	n name: DRMS					
EÇ	)UIPMENT T	RANSPOR	<u>T RIG COST</u>					
						Shift ba	sis: 1 per da	ay
					C	Cost Data Sour		
	Truck	Tractor Desc	ription: GENE	RIC ON-HIGH	WAY TRU	JCK TRACTO	DR, 6X4, DIESE	L POWERED.
						(2ND HALF,		,
	Truch	x Trailer Desc	ription: G	ENERIC FOLD	ING GOO	SENECK, DF	ROP DECK EQU	IPMENT
	Truch	x Trailer Desc	ription: G			SENECK, DF (25T, 50T, AN	ROP DECK EQU ND 100T)	JIPMENT
a		x Trailer Desc	ription: G				-	JIPMENT
Cos	Trucl <u>st Breakdown:</u>	c Trailer Desc	·		FRAILER (	(25T, 50T, AN	-	JIPMENT
	st Breakdown: Vailable Rig Ca	apacities	0-25 Tons	26-50 Tons	TRAILER (	(25T, 50T, AN	-	JIPMENT
	st Breakdown: Available Rig Ca Ownership	apacities Cost/Hour:	0-25 Tons \$20.26	<b>26-50 Tons</b> \$36.04	<u>FRAILER (</u> 51+ \$4	(25T, 50T, AN Tons 7.05	-	JIPMENT
	st Breakdown: vailable Rig Ca Ownership Operating	apacities Cost/Hour: Cost/Hour:	0-25 Tons \$20.26 \$39.51	<b>26-50 Tons</b> \$36.04 \$76.08	FRAILER ( 51+ \$4 \$8	(25T, 50T, AN <b>Tons</b> 7.05 32.85	-	JIPMENT
	st Breakdown: vailable Rig Ca Ownership Operating Operator	apacities Cost/Hour: Cost/Hour: Cost/Hour:	0-25 Tons \$20.26 \$39.51 \$22.52	<b>26-50 Tons</b> \$36.04 \$76.08 \$22.52	<b>51+</b> \$4 \$8 \$2	(25T, 50T, AN <b>Tons</b> 7.05 22.85 22.52	-	JIPMENT
	st Breakdown: Available Rig Ca Ownership Operating Operator Helper	apacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour:	0-25 Tons \$20.26 \$39.51 \$22.52 \$0.00	<b>26-50 Tons</b> \$36.04 \$76.08 \$22.52 \$23.53	<b>51</b> + <b>51</b> + \$4 \$8 \$2 \$2 \$2	(25T, 50T, AN <b>Tons</b> 7.05 22.85 22.52 23.53	-	JIPMENT
	st Breakdown: Available Rig Ca Ownership Operating Operator Helper	apacities Cost/Hour: Cost/Hour: Cost/Hour:	0-25 Tons \$20.26 \$39.51 \$22.52	<b>26-50 Tons</b> \$36.04 \$76.08 \$22.52	<b>51</b> + <b>51</b> + \$4 \$8 \$2 \$2 \$2	(25T, 50T, AN <b>Tons</b> 7.05 22.85 22.52	-	JIPMENT
A	st Breakdown: Vailable Rig Ca Ownership Operating Operator Helper Total Unit	apacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour:	0-25 Tons           \$20.26           \$39.51           \$22.52           \$0.00           \$82.29	<b>26-50 Tons</b> \$36.04 \$76.08 \$22.52 \$23.53	<b>51</b> + <b>51</b> + \$4 \$8 \$2 \$2 \$2	(25T, 50T, AN <b>Tons</b> 7.05 22.85 22.52 23.53	-	JIPMENT
A	st Breakdown: Vailable Rig Ca Ownership Operating Operator Helper Total Unit	apacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIPN	0-25 Tons \$20.26 \$39.51 \$22.52 \$0.00 \$82.29 MENT:	<b>26-50 Tons</b> \$36.04 \$76.08 \$22.52 \$23.53 \$158.17	STRAILER           51+           \$4           \$8           \$2           \$2           \$1'	(25T, 50T, AN <b>Tons</b> 7.05 22.85 22.52 23.53 75.95	<u>ND 100T)</u>	
A	st Breakdown: Vailable Rig Ca Ownership Operating Operator Helper Total Unit	apacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIPN Weight/	0-25 Tons           \$20.26           \$39.51           \$22.52           \$0.00           \$82.29           MENT:           Owner ship	<b>26-50 Tons</b> \$36.04 \$76.08 \$22.52 \$23.53 \$158.17 Haul Rig	<b>Fleet</b>	(25T, 50T, AN <b>Tons</b> 7.05 22.85 22.52 23.53 75.95 Haul Trip	ND 100T)	DOT Permit
A 	st Breakdown: Vailable Rig Ca Ownership Operating Operator Helper Total Unit	apacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIPN Weight/ Unit	0-25 Tons \$20.26 \$39.51 \$22.52 \$0.00 \$82.29 MENT:	<b>26-50 Tons</b> \$36.04 \$76.08 \$22.52 \$23.53 \$158.17	STRAILER           51+           \$4           \$8           \$2           \$2           \$1'	(25T, 50T, AN <b>Tons</b> 7.05 2.85 2.52 2.52 2.53 75.95 Haul Trip Cost/hr/	<u>ND 100T)</u>	
A NC	st Breakdown: Vailable Rig Ca Ownership Operating Operator Helper Total Unit ON ROADAB Machine Description	apacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIPM Weight/ Unit (TONS)	0-25 Tons           \$20.26           \$39.51           \$22.52           \$0.00           \$82.29           MENT:           Owner ship           Cost/hr/ unit	26-50 Tons \$36.04 \$76.08 \$22.52 \$23.53 \$158.17 Haul Rig Cost/hr/uni t	STRAILER           51+           \$4           \$4           \$2           \$2           \$1^           Fleet           Size	(25T, 50T, AN <b>Tons</b> 7.05 2.85 2.52 3.53 75.95 Haul Trip Cost/hr/ fleet	ND 100T) Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
A NC	st Breakdown: Vailable Rig Ca Ownership Operating Operator Helper Total Unit ON ROADAB Machine Description	apacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIPM Weight/ Unit (TONS) 84.53	0-25 Tons           \$20.26           \$39.51           \$22.52           \$0.00           \$82.29           MENT:           Owner ship           Cost/hr/ unit           \$178.69	26-50 Tons \$36.04 \$76.08 \$22.52 \$23.53 \$158.17 Haul Rig Cost/hr/uni t \$175.95	STRAILER           51+           \$4           \$8           \$2           \$1'           Fleet           Size           1	(25T, 50T, AN <b>Tons</b> 7.05 32.85 22.52 3.53 75.95 Haul Trip Cost/hr/ fleet \$354.64	ND 100T) Return Trip Cost/hr/ fleet \$175.95	DOT Permit Cost/ fleet \$250.00
A NC N D	st Breakdown: Vailable Rig Ca Ownership Operating Operator Helper Total Unit ON ROADAB Machine Description Cat D10T - 10SU Cat 631G	apacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIPN Weight/ Unit (TONS) 84.53 52.50	0-25 Tons           \$20.26           \$39.51           \$22.52           \$0.00           \$82.29           MENT:           Owner ship           Cost/hr/ unit           \$178.69           \$341.67	26-50 Tons \$36.04 \$76.08 \$22.52 \$23.53 \$158.17 Haul Rig Cost/hr/uni t \$175.95 \$175.95	State           51+           \$4           \$8           \$2           \$1'           Fleet           Size           1           2	(25T, 50T, AN <b>Tons</b> 7.05 2.85 2.52 3.53 75.95 Haul Trip Cost/hr/ fleet \$354.64 \$1,035.24	ND 100T) Return Trip Cost/hr/ fleet \$175.95 \$351.90	DOT Permit Cost/ fleet \$250.00 \$500.00
A NC M D C C	st Breakdown: Vailable Rig Ca Ownership Operating Operator Helper Total Unit ON ROADAB Machine Description	apacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIPM Weight/ Unit (TONS) 84.53	0-25 Tons           \$20.26           \$39.51           \$22.52           \$0.00           \$82.29           MENT:           Owner ship           Cost/hr/ unit           \$178.69	26-50 Tons \$36.04 \$76.08 \$22.52 \$23.53 \$158.17 Haul Rig Cost/hr/uni t \$175.95	STRAILER           51+           \$4           \$8           \$2           \$1'           Fleet           Size           1	(25T, 50T, AN <b>Tons</b> 7.05 32.85 22.52 3.53 75.95 Haul Trip Cost/hr/ fleet \$354.64	ND 100T) Return Trip Cost/hr/ fleet \$175.95	DOT Permit Cost/ fleet \$250.00
A NC M D C C	st Breakdown: Vailable Rig Ca Ownership Operating Operator Helper Total Unit ON ROADAB Machine Description Cat D10T - 10SU Cat 631G	apacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIPN Weight/ Unit (TONS) 84.53 52.50	0-25 Tons           \$20.26           \$39.51           \$22.52           \$0.00           \$82.29           MENT:           Owner ship           Cost/hr/ unit           \$178.69           \$341.67	26-50 Tons \$36.04 \$76.08 \$22.52 \$23.53 \$158.17 Haul Rig Cost/hr/uni t \$175.95 \$175.95 \$175.95 \$82.29	State           51+           \$4           \$8           \$2           \$1'           Fleet           Size           1           2	(25T, 50T, AN <b>Tons</b> 7.05 2.85 2.52 3.53 75.95 Haul Trip Cost/hr/ fleet \$354.64 \$1,035.24	ND 100T) Return Trip Cost/hr/ fleet \$175.95 \$351.90	DOT Permit Cost/ fleet \$250.00 \$500.00

## **ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Drill/Broadcast Seeder with Tractor	\$42.49	1	\$42.49	\$42.49
Water Tanker, 2,500 Gal.	\$34.27	1	\$34.27	\$34.27
		Subtotals:	\$76.76	\$76.76

## **EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region: Total one-way travel distance: Average Travel Speed:	EAGLE 2.00 30.00	miles mph
Total Non-Roadable Mob/Demob Cost *	\$5,381.94	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$10.23	_

Transportation Cycle Time:

	Non- Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.07	0.07
Return Time (Hours):	0.07	0.07
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.13	0.13

## JOB TIME AND COST

Total job time: 2.27 Hours

Total job cost: \$5,392

## SCRAPER TEAM WORK

Site: Chambers Pit		Permit	t Action:	August 2023 upda	ate Perm	it/Job#: <u>M19</u>	80136
PROJECT IDENT	_						
Task #: 004	Sta		Colorado		Abbrev		
Date: <u>8/25/202</u> User: LDS	23 Coun	ty: _I	Eagle		File	name: M136	-004
	·	עתת	C.				
	ganization name:	DRM	13	COSTS	64 haain 1 man da		
HOURLY EQUIPM	<u>VIEN I</u>		Equipmo	nt Description	ft basis: <u>1 per da</u>	<u>y</u>	
	-Scr	aper:	Cat 631				
		ozer:	Cat D87	Γ - 8 <b>S</b> U			
Support	t Equipment -Load A -Dump A		NA NA				
Road Main	ntenance – Motor Gr		CAT 12	М			
	-Water T			anker, 2,500 Gal.			
	<b>C</b>	<b>T</b>			4	Maintain	
<u>Cost Breakdown</u> :	Scraper Work Scraper	Doz	zer	Support Equipn Load Area	Dump Area	Motor Grader	e Equipment Water Tru
%Utilization-machine:	100		100	NA	NA	50	
Ownership cost/hour:	\$341.67	\$	241.38	NA	NA	\$74.98	
Operating cost/hour:	\$285.26		143.92	NA	NA	\$27.63	
%Utilization-ripper:	NA		NA	NA	NA	NA	
Ripper own. cost/hour:	NA		\$0.00	NA	NA	\$0.00	\$0
Ripper op. cost/hour:	NA		\$0.00	NA	NA	\$0.00	\$0
Operator cost/hour:	\$30.90		\$41.30	NA	NA	\$28.56	\$0
Unit Subtotals:	\$657.83	\$	426.60	NA	NA	\$131.17	\$22
Number of Units:	4		1	0	0	1	
Group Subtotals:	Work:	\$3,05	57.92	Support:	\$0.00	Maint:	\$153.98
Total work team cost/l MATERIAL QUA Initial volume: Loose volume:	NTITIES 52,635 <b>63,952</b>	<u> </u>	CCY LCY	Swell factor			
	ce of estimated volu estimated swell fac		Cat Hand	of Reclamation, M lbook			
				Scraper Boy	vl (volume) Basis	5:	
Material weight: _ Material description:	1,600 lbs/LCY Top Soil			Struck Vo Heaped Vo	olume: 24.00	]	LCY LCY

<u>0.80</u> Minutes

<u>0.70</u> Minutes

#### Cycle Time:

Scraper Loading Time: Maneuver and Spread Time:

Job Condition Correction:

Site Altitude: 6500 feet

	Scraper	Push Dozer	Source
Altitude Adj:	1.000	1.000	(CAT HB)
Job Efficiency:	0.830	0.830	(CAT HB)
Net Correction:	0.830	0.830	

#### Travel Time:

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered, maintained 3.0

#### Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	500.00	15.00	3.00	18.00	285	1.75

Haul Time: **1.75** minutes

#### Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	500.00	-15.00	3.00	-12.00	1601	0.42
				Return Time:	0.42	minutes
			Total Scrap	er team cycle time:	3.67	minutes
			Adjusted	for job conditions:	393.51	LCY/Hour
			Selected N	umber of Scrapers:	2	Scraper(s)
	Adjusted a	single scrap	er team (unit)	hourly production:	787.03	LCY/Hour
	Adjusted mu	ltiple scrape	er team (fleet)	hourly production:	1,574.06	LCY/Hour
Ontime	Unadjusted unit produ al Number of Scrapers per		-	LCY/Hour		
Optima	a muniber of Scrapers per	push dozer:		_		

Fleet size:	2	Team(s)	Total job time:	40.63	Hours
Unit cost:	\$2.041	/LCY	Total job cost:	\$130,494	

## **REVEGETATION WORK**

Task descri	ption:	Disc harrow and	drill seed 7	8.3 acres		
Site: Chambe	rs Pit	Per	mit Action:	August 2023 update	Permit/Job	o#: <u>M1980136</u>
<b>PROJECT</b>	IDENTIFIC	CATION				
Task #:	005	State:	Colorado		Abbreviation:	None
Date:	8/24/2023	County:	Eagle		Filename:	M136-005
	LDS					

## **FERTILIZING**

#### Materials

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

## Application

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

## TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$112.82
Weed control spraying (MEANS 31 31 16.13 3100)	\$338.80
Total Tilling Cost/Acre	\$451.62

## **SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Crested Wheatgrass - Fairway	1.50	6.89	\$6.04
Bottlebrush Squirreltail	0.50	2.20	\$8.11
Russian Wildrye - Vinal	2.50	10.04	\$15.45
Pubescent Wheatgrass - Luna	4.50	9.30	\$15.30
Rabbitbrush, Rubber	0.50	7.45	\$32.15
Western Wheatgrass - Barton	4.00	10.10	\$28.00
Saltbush, Four Wing	0.50	0.69	\$6.25
		46.67	\$111.30

### Application

Description		Cost /Acre
Drill Seeding (DRMS Survey Cost)		\$232.00
	Total Seed Application Cost/Acre	\$232.00

## **MULCHING and MISCELLANEOUS**

#### Materials

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

Application

Description	Cost /Acre
	\$
Total Mulch Applicatio	n Cost/Acre \$0.00

## **NURSERY STOCK PLANTING**

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
		Totals 2	Nursery Stoc	ek Cost / Acre	\$0.00

No. of Acres: Estimated Failure Rate: *Selected Replanting Work Items:	25%	Cost /Acre: Cost /Acre*:	
Initial Job Cost: \$62,242.24	TILLII (0,5LLDI		
eseeding Job Cost: \$15,560.56			
Total Job Cost: <b>\$77,803</b> Job Hours: <b>78.30</b>			

#### August 2023 RCE update – notes



Task 001a - Backfill/grade to 3:1, East Access Road embankment



## Task 001b - Backfill/grade to 3:1, north and west of disc golf

## Task 001c - Backfill/grade to 3:1, West Access Road embankment Existing slope ~45' @ ~2.5H:1V 18' 45' Cross-sectional area = 405 ft<sup>2</sup> Finished slope ~45' @ 3H:1V 15' 45' Cross-sectional area = 337.5 ft<sup>2</sup> 405 – 337.5 = 67.5 ft<sup>2</sup> Length of slope ~225' Volume to be regraded = $225 \times 67.5$ = 15,187.5 ft<sup>3</sup> = 562.5 yd<sup>3</sup>

# Existing slope ~30' @ ~2H:1V 15' 30' Cross-sectional area = 225 ft<sup>2</sup> Finished slope ~30' @ 3H:1V 10' 30' Cross-sectional area = 150 ft<sup>2</sup> 225 – 150 = 75 ft<sup>2</sup> Length of slope ~500' Volume to be regraded = $75 \times 500$ = 37,500 ft<sup>3</sup> = 1389 yd<sup>3</sup>

## Task 001d - Backfill/grade to 3:1, Light-use road embankment

# Existing slope ~45' @ ~2.5H:1V 18' 45' Cross-sectional area = 405 ft<sup>2</sup> Finished slope ~45' @ 3H:1V 15' 45' Cross-sectional area = 337.5 ft<sup>2</sup> 405 – 337.5 = 67.5 ft<sup>2</sup> Length of slope ~560' Volume to be regraded = $560 \times 67.5$ = 37,800 ft<sup>3</sup> = 1,400 yd<sup>3</sup>

## Task 001e - Backfill/grade to 3:1, south west of ball fields