COST SUMMARY WORK

-	Task description: Cost Summary of Reclamat	ion Tasks			
Site:	London Mine Permit Action:	New Permit Application		Permit/Jo	ob#: <u>M2023015</u>
<u>P</u>	ROJECT IDENTIFICATION				
	Task #: 000 State: Colorado Date: 11/14/2023 County: Park User: ERR			Abbreviation: Filename:	
	Agency or organization name: DRMS				
<u>T</u>	ASK LIST (DIRECT COSTS)				
Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Off-site Disposal of Mineralized Fines	DEMOLISH	1	500.00	\$128,084
002	General Grading of Central Extension Stockpile Area	DOZER	1	3.93	\$1,676
003	Replace Topsoil on Central Extension Stockpile Area	DOZER	1	0.71	\$302
004	General Grading of South London Stockpile Area	DOZER	1	12.99	\$5,543
005	Replace Topsoil on South London Stockpile Area	DOZER	1	2.34	\$997
006	Revegetate Central Extension & South London Stockpile Areas	REVEGE	1	10.00	\$7,550
007	Mob/Demob of Reclamation Equipment	MOBILIZE	1	4.11	\$5,185
		SUBTO	OTALS:	534.0	\$149,337
	NDIRECT COSTS VERHEAD AND PROFIT:				
	Liability insurance: 2.02			Total =	\$3,017
	Performance bond: 1.05				\$1,568
	Job superintendent: 34.08				\$2,218
	Profit: 10.00		TOTAL		\$14,934
	CONT	RACT AMOUNT			\$21,736 \$171,073
	CONT	RACI AMOUNI	(direct)	<u> </u>	φ1/1,0/5
L	EGAL - ENGINEERING - PROJECT MANAGEMENT	:			
	Financial warranty processing (legal/related costs):	\$0	_		\$0
	Engineering work and/or contract/bid preparation:	0.00	_	_	\$0
	Reclamation management and/or administration:	5.00	_		\$8,554
	CONTINGENCY:	3.00		Total =	\$4,480

TOTAL BOND AMOUNT (rounded) = \$184,500

TOTAL (direct + indirect) = \$184,107

TOTAL INDIRECT COST = \$34,770

DEMOLITION WORK

Site: _	London Mine	Permit Action:	New Permit Application	Permit/.	Job#: <u>M2023015</u>
OJEC	CT IDENTIFICATI	<u>ON</u>			
ask #:	001	State: Colorado		Abbreviation:	None
Date:	11/14/2023 11:57:36 AM	County: Park		Filename:	M015-001
	ERR				

UNIT COSTS

Location adjustment: 100.00 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Load Mineralized	2,000 CY x 447	CAT 950H	4.50	EA	\$129.83	\$584.24
Fines	LCY/hr					
Haul Mineralized	\$0.25/ton-mile	USER PROVIDED	90.00	MI	\$750.00	\$67,500.00
Fines to Penrose		ITEM				
Landfill						
Disposal Fees (Twin	3,000 Tons	USER PROVIDED	3,000.00	TN	\$20.00	\$60,000.00
Enviro Penrose)		ITEM				

Subtotal Cost (adjusted for Job Hours: 500.00 (unadjusted): \$128,084.24 location): \$128,084.24

London Mine		Per	mit Action:	New Permit Application	Permit/Job#:	M2023015
PROJECT IDEN	TIFICATIO	N				
Task #: 002 Date: 11/8/2 User: ERR		State: County:	Colorado Park		Abbreviation: Filename:	None M015-002
Agency or	organization n	ame: DF	RMS			
HOURLY EQUII	PMENT CO	ST				
Basic Machine: Horsepower: Blade Type: Attachment: Shift Basis:	Cat D8T - 85 310 Semi-Univer NA 1 per day	SU				
Data Source:	(CRG)					
Cost Breakdown: Ownership Cost/Ho Operating Cost/Ho Ripper own. Cost/Ho Ripper op. Cost/Ho Operator Cost/Ho	our:		\$241.38 \$143.92 \$0.00 \$0.00 \$41.30	Utilization % NA 100 NA 0 NA		
Total unit Cost/Hour Total Fleet Cost/Hou						
Swell factor:	2,098 1.060 2,224 LCY	12" avera	 uge over 1.3 a	actes		
Source of estimated		Cat Hand				
HOURLY PROD Average push distan Unadjusted hourly p	ce:	50 feet 1,400.0 LC	Y/hr			
Materials consistenc	y description:	Compa	cted fill or e	mbankment 0.9		
Average push gradie Average site altitude		feet	<u> </u>			
Material weight:	2,5501	bs/LCY			<u> </u>	
Weight description:	Gravel	- Dry				
	ator Skill:		750	Source (AVG.)		
Material co	nsistency:		900	(CAT HB))		

Visibility:	1.000	(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:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Adjusted unit production: 566.02 LCY/hr
Adjusted fleet production: 566.02 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.754/LCY

Total job time: 3.93 Hours
Total job cost: \$1,676

Task description:	Replac	e Topsoil	on Central 1	Extension Stockpile Arc	ea	
: London Mine		Per	mit Action:	New Permit Application	Permit/Job#:	M2023015
PROJECT IDEN	TIFICATION	J				
Task #: 003		State:	Colorado		Abbreviation:	None Mo15 002
Date: 11/8/20 User: ERR	023	County:	Park		Filename:	M015-003
	organization na	me: DF	RMS			
HOURLY EQUIF	PMENT COS	T				
Basic Machine:	Cat D8T - 8S					
Horsepower:	310			_		
Blade Type:	Semi-Univers	al				
Attachment:	NA					
Shift Basis:	1 per day					
Data Source:	(CRG)			_		
Cost Breakdown:						
				<u>Utilization %</u>		
Ownership Cost/Ho	our:		\$241.38	NA		
Operating Cost/Ho			\$143.92	100		
Ripper own. Cost/Ho			\$0.00	NA		
Ripper op. Cost/Ho	our:		\$0.00	0		
Operator Cost/Ho			\$41.30	NA		
MATERIAL QUA	ANTITIES					
	525					
	1.215					
Loose volume:	638 LCY					
Source of estimated	volume:	4" over 1	.3 acres			
Source of estimated	_	Cat Hand				
HOURLY PROD	<u>uction</u>					
Average push distance	ce: 5	0 feet				
Unadjusted hourly pr		,400.0 LC	Y/hr			
Materials consistency	y description:	Compa	cted fill or e	mbankment 0.9		
Average push gradie	nt: 0 %					
Average push gradie Average site altitude		eet				
Material weight:	_1,600 lb	s/LCY			_	
Weight description:	Top Soi	1				
Job Condition Correct		-	5 50	Source		
	ator Skill:		750	(AVG.)		
Material co			900	(CAT HB))		
Dozin	g method:	1.	000	(GEN.)		

Visibility:	1.000	(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)

Adjusted unit production: 902.30 LCY/hr
Adjusted fleet production: 902.3 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.473/LCY

Total job time: 0.71 Hours
Total job cost: \$302

London Mine		Per	mit Action:	New Permit Application	Permit/Job#:	M2023015
PROJECT IDEN	TIFICATIO	N				
Task #: 004 Date: 11/8/2 User: ERR		State: County:	Colorado Park		Abbreviation: Filename:	None M015-004
Agency or	organization r	name: DF	RMS			
HOURLY EQUI	PMENT CO	ST				
Basic Machine: Horsepower: Blade Type: Attachment: Shift Basis:	Cat D8T - 8: 310 Semi-UniverNA 1 per day	SU				
Data Source:	(CRG)			<u> </u>		
Cost Breakdown: Ownership Cost/He Operating Cost/He Ripper own. Cost/He Ripper op. Cost/He	our:		\$241.38 \$143.92 \$0.00 \$0.00	Utilization % NA 100 NA 0		
Operator Cost/H			\$41.30	NA		
MATERIAL QU. Initial Volume: Swell factor:	6,938 1.060					
Loose volume: Source of estimated Source of estimated		12" avera	ge over 4.3 a book	acres		
HOURLY PROD Average push distan Unadjusted hourly p	ce:	50 feet 1,400.0 LC	Y/hr			
Materials consistence	y description:	Compa	cted fill or e	mbankment 0.9		
Average push gradie Average site altitude		feet				
Material weight:	2,550 1	bs/LCY				
Weight description:	Gravel	- Dry				
	ator Skill:		750	Source (AVG.)		
Material co	nsistency:		900	(CAT HB))		

Visibility:	1.000	(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:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Adjusted unit production: 566.02 LCY/hr
Adjusted fleet production: 566.02 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.754/LCY

Total job time: 12.99 Hours
Total job cost: \$5,543

Task description: Re	place Topsoil on South Lo	ondon Stockpile Area	
: London Mine	Permit Action:	New Permit Application	Permit/Job#: M2023015
PROJECT IDENTIFICAT			
Task #: 005	State: Colorado		Abbreviation: None
Date: 11/8/2023	County: Park		Filename: M015-005
User: ERR	=		
Agency or organization	on name: DRMS		
HOURLY EQUIPMENT	COST		
Basic Machine: Cat D8T	- 8SU		
Horsepower: 310			
Blade Type: Semi-Uni	iversal		
Attachment: NA			
Shift Basis: 1 per day			
Data Source: (CRG)			
Cost Breakdown:			
COST DICARGOWII.		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	
Spermer Convitions.	ψ-1.50	INA	
MATERIAL QUANTITIE	<u> </u>		
Initial Volume: 1,735			
Swell factor: 1.215			
Loose volume: 2,108 LCY	7		
Source of estimated volume:	4" over 4.3 acres		
Source of estimated wording. Source of estimated swell facto			
Source of estimated swell facto	1. Cai Handook		
HOURLY PRODUCTION	<u>]</u>		
Average push distance:	50 feet		
Unadjusted hourly production:	1,400.0 LCY/hr		
J J F			
Materials consistency description	on: Compacted fill or e	mbankment 0.9	
Average push gradient: 0 %)		
	000 feet		
Material weight: 1,60	00 lbs/LCY		_
Weight description: Top	Soil		
Job Condition Correction Factor		Source	
Operator Skill:	0.750	(AVG.)	
Material consistency:	0.900	(CAT HB))	
Dozing method:	1.000	(GEN.)	

Visibility:	1.000	(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)

Adjusted unit production: 902.30 LCY/hr
Adjusted fleet production: 902.3 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.473/LCY

Total job time: 2.34 Hours
Total job cost: \$997

REVEGETATION WORK

London Mine	Per		New Per Applicat			Permit/Job#	: <u>M2023015</u>
ROJECT IDENTIFICA Task #: 006	State:	Colorado			Abb	reviation:	None
Date: 11/8/2023 User: ERR Agency or organizat	County: tion name: DR	Park MS			_	Filename:	M015-006
ERTILIZING	uon name. <u>DR</u>	1415					
Description		Unit Acre	_	J nit	Cost	/ Unit	Cost /Acre
					\$		\$
					Tota	nl Fertilizer Materials Cost/Acre	\$0.00
pplication							
pplication Description							Cost /Acre
			Total Fe	rtilizer A	pplicatior	ı Cost/Acre	
Description		,	Total Fe	rtilizer A	pplicatior	n Cost/Acre	\$
Description ILLING		,	Total Fe	rtilizer A	pplication	n Cost/Acre	\$
Description		,	Total Fe	rtilizer A	pplication	a Cost/Acre	\$0.00
Description ILLING Description		,	Total Fe			n Cost/Acre	\$ \$0.00 Cost /Acre
Description ILLING Description Chisel plowing {DMG}			Total Fe				\$0.00 Cost /Acre \$100.40
Description TILLING Description Chisel plowing {DMG}		,	Total Fe	To	tal Tilling Rate – PLS LBS /		\$0.00 Cost /Acre \$100.40
Description Chisel plowing {DMG} EEDING Seed Mix Alpine Bluegrass		,	Total Fe	To	Rate – PLS LBS / Acre 0.50	Seeds per SQ. FT	\$0.00 Cost /Acre \$100.40 \$100.40 Cost /Acre
Description TILLING Description Chisel plowing {DMG} EEDING Seed Mix	S	,	Total Fe	To	rate – PLS LBS / Acre	Seeds per SQ. FT	\$0.00 Cost /Acre \$100.40 \$100.40

Timothy, Alpine - Native

Tufted Hairgrass

Yarrow, White

\$12.13

\$4.41

\$2.40

\$94.20

14.92

22.96

3.82

74.47

0.50

0.40

0.06

	Totals Seed Mix	2.56	
Application			
Description			Cost /Acre

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

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	1.00	TON	\$429.79	\$429.79
Total Mulch Materials Cost/Acre				\$429.79

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$74.46
Power mulcher (MEANS 32 91 13.16 0350)		\$147.67
	Total Mulch Application Cost/Acre	\$222.13

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
		Totals 1	Nursery Stoc	k Cost / Acre	\$0.00

JOB TIME AND COST

Cost /Acre: \$1,078.52 No. of Acres: 5.6 Estimated Failure Rate: 25% C
Selected Replanting Work Items: TILLING,SEEDING,MULCHING Cost /Acre: \$1,078.52

Initial Job Cost: **\$6,039.71** Reseeding Job Cost: \$1,509.93 Total Job Cost: \$7,550 Job Hours: **10.00**

EQUIPMENT MOBILIZATION/DEMOBILIZATION

London Mi	ine	Permit Action:	New Permit Application	Permit/Jo	bb#: M2023015
ROJECT II	DENTIFI(<u>CATION</u>			
Task #:	007	State: Colorado		Abbreviation:	None
Date:	11/8/2023	County: Park		Filename:	M015-007
User:	ERR				
Agen	cy or organi	zation name: DRMS			
QUIPMEN'	T TRANS	PORT RIG COST			
				Shift basis:	1 per day
				Cost Data Source	CPG Data

Cost Breakdown:

Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons
Ownership Cost/Hour:	\$20.26	\$36.04	\$47.05
Operating Cost/Hour:	\$39.51	\$76.08	\$82.85
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52
Helper Cost/Hour:	\$0.00	\$23.53	\$23.53
Total Unit Cost/Hour:	\$82.29	\$158.17	\$175.95

NON ROADABLE EQUIPMENT:

Truck Tractor Description:

Truck Trailer Description:

Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return Trip	DOT Permit
Description	Unit	Cost/hr/ unit	Cost/hr/uni	Size	Cost/hr/	Cost/hr/ fleet	Cost/ fleet
	(TONS)		t		fleet		
Cat D8T - 8SU	47.71	\$241.38	\$158.17	1	\$399.55	\$158.17	\$250.00
Drill/Broadcast	25.00	\$6.73	\$82.29	2	\$178.04	\$164.58	\$250.00
Seeder with							
Tractor							
Power Mulcher	6.00	\$25.94	\$82.29	2	\$216.46	\$164.58	\$500.00
(Bowie LD-90)							

Subtotals: \$794.05 \$487.33 \$1,000.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 1 T.	\$127.92	2	\$255.84	\$255.84
Crew				

Subtotals:	\$255.84	\$255.84
Simplorars:	3/222.04	3/222.04

GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWERED, 400 HP (2ND HALF, 2006)

GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT TRAILER (25T, 50T, AND 100T)

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: COLORADO SPRINGS
Total one-way travel distance: 35.00 miles
Average Travel Speed: 45.00 mph

Total Non-Roadable Mob/Demob Cost *
 '* two round trips with haul rig:
 Total Roadable Mob/Demob Cost **
 ** one round trip, no haul rig:

\$4,787.31

\$397.97

Transportation Cycle Time:

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	0.78	0.78
Return Time (Hours):	0.78	0.78
Loading Time (Hours):	0.25	NA
Unloading Time (Hours):	0.25	NA
Subtotals:	2.06	1.56

JOB TIME AND COST

Total job time:	4.11	Hours
Total job cost:	\$5,185	