COST SUMMARY WORK

Т	ask description: Recla	mation Cost Estimate					
Site:	Adobe Longhorn Mine	Permit Action:	2019-07-21		Permit/J	Job#:	P2019008
PI	ROJECT IDENTIFICATIO	N					
	Task #: 000 Date: 7/2/2019 User: DMC	State: Colorado County: Gunnison		<i>A</i>	Abbreviation Filename		one 008-000
	Agency or organization n	ame: DRMS					
<u>T</u>	ASK LIST (DIRECT COST)	<u>S)</u>					
Task	Description		Form Used	Fleet Size	Task Hours		Cost
11a	Backfill two portals		MINESEAL	1	8.00		\$4,211
2a	Grade disturbance area		LOADER	1	2.07		\$211
)3a	Vegetate disturbed area		REVEGE	1	1.00		\$192
4a	Mobilize reclamation crew/ed	quipment	MOBILIZE	1	6.80		\$1,120
	IDIRECT COSTS VERHEAD AND PROFIT:						
<u> </u>		.02			T-4-1 -	¢116	
	3	2.02 .05			Total = _ Total =	\$116 \$60	
		0.00			Total =	\$0	
		0.00			Total =	\$573	
				TOTAL	O & P =	\$749	
		CONT	RACT AMOUNT	(direct +	O & P) =	\$6,48	33
LE	GAL - ENGINEERING - PROJ	ECT MANAGEMENT	:				
	Financial warranty processing	g (legal/related costs):	\$0		Total =	\$0	
	Engineering work and/or cor	ntract/bid preparation:	0.00	- _	Total =	\$0	
	Reclamation management a	and/or administration:	5.00	=	_	\$324	
		CONTINGENCY:	0.00		Total = _	\$0	
			TOTAL IN	DIRECT	COST = _	\$1,07	74
		TOTAL BO	ND AMOUNT (d	irect + in	ndirect) =	\$6,80	08
			`		_	-	

SAFEGUARDING UNDERGROUND OPENINGS

7	Task description:	Backfill two portals			<u> </u>
Site: _	Adobe Longhorn Mine	Permit Action:	2019-07-21	Permit/	/Job#: <u>P2019008</u>
PROJEC	CT IDENTIFICATION	<u>N</u>			
Task #	t: 01A	State: Colorado		Abbreviation:	None
Date	e: <u>7/2/2019</u>	County: Gunnison		Filename:	P008-01a
Useı	:: _ DMC				
	Agency or organiza	tion name: DRMS			

UNIT COSTS

Opening Description	Dimensions	Closure Method	Quantity	Unit	Unit Cost	Total Cost
Portals 1 & 2	8x8	Adit closure - backfilling (per opening)	2.00	EA	\$2,105.30	\$4,210.60

WHEEL LOADER – LOAD AND CARRY WORK

Task description:	Gr	ade disturb	ance area	a				
e: Adobe Longhorn	Mine	F	ermit Ac	tion: 2019-07	7-21	P	ermit/Job	#: <u>P2019008</u>
PROJECT IDENT	TFICAT	ION						
Task #: 02A		State:	Color	ado		Abbrev	viation:	None
Date: 7/2/20	19	County		ison		File	ename:	P008-02a
User: DMC		=						
Agency or o	rganizatio	n name: I	DRMS					
HOURLY EQUIP	MENT C	OST						
Basic Machin		450E			Hors	sepower:	1	.01
Attachment		S Cab		_		ift Basis:		er day
7 THEODINION		5 040		_		Source:		RG)
Cost Breakdown:								
<u></u>				Utilizatio	on %			
Ownership C	ost/Hour:	\$29	9.73	NA				
Operating C			1.22	100				
Operator C).65	NA				
Total Unit C	ost/Hour:	\$10	1.60					
Total Fleet C	Cost/Hour:	\$10	1.60					
MATERIAL OUA		~						
MATERIAL QUA	NTTTIES	<u>S</u>						
Initial volume:	200		CC,		ell factor:	1.000		
Loose volume:	-	200	LCY	7				
Sour	ce of estin	nated volume	e: Divi	sion of Reclam	ation. Mini	ing & Safety	,	
		d swell facto		Handbook	,			
HOURLY PRODU	CTION							
Loader Cycle Time:		Unac	djusted B	asic Cycle Tim	e (load, dui	mp,	0.455	minutes
			3	,	maneuv	·	0.475	
Cycle Time F	actors					Factor (min.)	Source
Ma		Bank or brok				0.04		(Cat HB)
	_			r not applicable		0.00		(Cat HB)
Truck Own				r not applicable	0.00	0.00		(Cat HB)
		Constant ope		.04		-0.04		(Cat HB)
Dump 7	arget:	Nominal targ		G 1 m' 1	11	0.00		(Cat HB)
				Cycle Time A		0.00		minutes
			Ad	justed Basic Cy	cle Time:	0.47	3	minutes
Rolling Resistance – I	Road Cond	litions						
-					422 4		0	
				tenance or wat				
Ket	urn: So	n, runea airi	, no main	itenance or wat	er, 4 tire p	enerration 8	.U	
Haul and Return Time	<u>2</u>							
	Leng	th Grad	de Res.	Rolling	Total Re	es. Trave	l Time	C
	(feet	′ I	(%)	Res. (%)	(%)		utes)	Source
Haul Route:	50	/	0.00	8.00	8.00		476	(Cat HB)

Return Route:	50	0	.00	8.00	8.00	0.0476	(Cat HB)
					ravel Time: _ Cycle Time: _	0.0951 0.5701	minutes minutes
Load Bucket Capacity							
Rated Capa	city:	1.50	LCY	(heaped)			
Bucket Fill Fa	ctor:	0.825	Blast	ed rock - avg.	blasted (75 - 9	90%) 0.825	
Adjusted Capa	city:	1.24	LCY				
Job Condition Correction Site Altitude: 10270 fe							
			Sou	ırce			
Altitude Adj				THB)			
Job Efficiency				ft/day)			
Net Correction	:0.	74	multip	olier			
U	nadjusted H	ourly Unit	t Producti	on: 130.	.24 LCY	/Hour	
	Adjusted H	ourly Unit	t Producti	on: 96.2	LCY	/Hour	
	Adjusted H	ourly Fleet	t Producti	on: 96. 2	LCY	/Hour	
JOB TIME AND C	<u>OST</u>						
Fleet size:	1	Loader(s	s)	Total job	time:	2.08	_ Hours
Unit cost:	\$1.056	/LCY		Total job	cost:	\$211	_

REVEGETATION WORK

Adobe Longhorn Mine	Permit	Action: <u>2019</u>	-07-21		Permit/Job#	P2019008
ROJECT IDENTIFICA	TION					
Task #: 03A		olorado		Ab	breviation:	None
Date: 7/2/2019	County: Gu	ınnison			Filename:	P008-03a
User: DMC	<u> </u>					
Agency or organiza	tion name: DRMS					
CRTILIZING						
aterials						
		Units /				
Description		Acre	Unit	Cos	st / Unit	Cost /Acre
				\$		\$
				Tr.	4-1 E491	
				10	tal Fertilizer Materials	
					Cost/Acre	\$0.00
					0056/11010	ψ0.00
						\$
		Total	Fertilizer	Application	on Cost/Acre	\$0.00
LLING						
Description						Cost /Acre
Weed control spraying (M	EANS 31 31 16.13 3	100)				\$193.60
			-	Fotal Tillir	ng Cost/Acre	\$193.60
	-					Ψ1/0.00
<u>CEDING</u>						ψ19 0. 00
Seed Mix				Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Seed Mix				PLS LBS / Acre	per SQ. FT	Cost /Acre
				PLS LBS / Acre	per SQ.	Cost /Acre
Seed Mix Lupine, Annual Idaho Fescue				PLS LBS / Acre	per SQ. FT	Cost /Acre
Seed Mix Lupine, Annual				PLS LBS / Acre 0.25 1.60	per SQ. FT 0.18 20.20	Cost /Acre \$8.99 \$15.16
Lupine, Annual Idaho Fescue Locoweed, Showy				PLS LBS / Acre 0.25 1.60 0.50	per SQ. FT 0.18 20.20 1.44	S8.99 \$15.16 \$34.75

Application

Description		Cost /Acre
Broadcast seeding [DMG]		\$267.22
	Total Seed Application Cost/Acre	\$267.22

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 Application Cost/Acre	\$0.00

NURSERY STOCK PLANTING

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

JOB TIME AND COST

No. of Acres: 0.25 Cost /Acre: \$615.52 Estimated Failure Rate: 25% Cost /Acre*: \$615.52

*Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost:
Reseeding Job Cost:
Total Job Cost:
Job Hours:

\$153.88

\$38.47

\$192

1.00

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: Mo	bilize reclamatio	on crew/equipmen	t		
ite: Adobe Longhorn Mine	Permi	t Action: 2019-07	7-21	Permit/Job	o#: <u>P2019008</u>
PROJECT IDENTIFICAT	<u>ION</u>				
Task #: 04A	State: C	Colorado	Abbı	eviation:	None
Date: 7/2/2019 User: DMC	County: G	Gunnison		ilename:	P008-04a
Agency or organizatio	n name: DRMS	S			
EQUIPMENT TRANSPOR	T RIG COST				
			Shift b	asis:	l per day
			Cost Data Sou		CRG Data
Truck Tractor Desc	cription: GENI		AY TRUCK TRACT 400 HP (2ND HALF	, ,	DIESEL POWERED,
Truck Trailer Desc	cription:	GENERIC FOLDIN	IG GOOSENECK, D	ROP DEC	K EQUIPMENT
		TR	AILER (25T, 50T, A	ND 100T)	
Cost Breakdown:					
Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons		
Ownership Cost/Hour:	\$17.20	\$29.63	\$38.69		
Operating Cost/Hour:	\$26.56	\$47.02	\$55.69		
Operator Cost/Hour:	\$23.63	\$23.63	\$23.63		
Helper Cost/Hour:	\$0.00	\$23.53	\$23.53		

NON ROADABLE EQUIPMENT:

Total Unit Cost/Hour:

\$67.39

Machine Description	Weight/ Unit	Owner ship Cost/hr/ unit	Haul Rig Cost/hr/uni	Fleet Size	Haul Trip Cost/hr/	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
	(TONS)		t		fleet		
CAT 450E	9.80	\$29.73	\$67.39	1	\$97.12	\$67.39	\$250.00

\$141.54

\$123.81

Subtotals: \$97.12 \$67.39 \$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.	\$12.96	1	\$12.96	\$12.96

Subtotals: \$12.96 \$12.96

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:

Total one-way travel distance:

Average Travel Speed:

GUNNISON

42.00

miles

mph

Transportation Cycle Time:

	Non-		
	Roadable	Roadable	
	Equipment	Equipment	
Haul Time (Hours):	1.20	1.20	
Return Time (Hours):	1.20	1.20	
Loading Time (Hours):	0.50	NA	
Unloading Time (Hours):	0.50	NA	
Subtotals:	3.40	2.40	

JOB TIME AND COST

Total job cost: 6.80 Hours

Total job cost: \$1,120