COST SUMMARY WORK

Т	ask description:	Summary of TR79 Costs							
Site:	New Horizon Mine	Permit Action	TR79		Permit/Job	#: <u>C1981008</u>			
PROJECT IDENTIFICATION									
	Task #: 000 Date: 4/26/2017 User: JDM	State: Colorado County: Montrose		A	Abbreviation: Filename:	None C008-000			
	Agency or organiz	zation name: DRMS							
<u>T</u> A	ASK LIST (DIRECT	<u>COSTS)</u>							
Task	Description		Form Used	Fleet Size	Task Hours	Cost			
001	Haul Topsoil to Morg Road	gan Storage Area via County	TRUCK1	1	27.46	\$26,078.00			
			<u>SUB1</u>	TOTALS:	27.46	\$26,078			
INDIRECT COSTS OVERHEAD AND PROFIT:									
	Liability insuran Performance bo Job superintende Pro	ond: 1.05		τοται	$\begin{array}{r} \text{Total} = & \$2\\ \text{Total} = & \$1\\ \text{Total} = & \$2 \end{array}$	26.78 73.82 ,002.98 ,607.80 ,411.38			
		CONT	RACT AMOUN			0,489.38			
LE	GAL - ENGINEERING	- PROJECT MANAGEMENT	:						
	Engineering work and	ocessing (legal/related costs): d/or contract/bid preparation: gement and/or administration:	0.00 0.00 0.00			00 0.00 0.00			
		CONTINGENCY:	0.00		Total = $\$0$	0.00			
			TOTAL	INDIRECT	COST = \$4	.,411.38			
		TOTAL BO	ND AMOUNT	(direct + in	direct) = <u>\$3</u>	0,489.38			

TRUCK/LOADER TEAM WORK

Task description: Haul Topsoil to Morgan Storage Area via County Road										
Site: New Horizon M	Aine	Permit	Action: TR79		Permit/Job#: <u>C1981008</u>					
PROJECT IDENTIFICATION										
Task #: 001		State: Co	lorado	Ab	breviation: No	eviation: None				
Date: 4/26					Filename: C008-001					
User: JDM										
Agency or organization name: DRMS										
HOURLY EQUIPMENT COST Shift basis: <u>1 per day</u>										
Equipment Description										
	Truck Loader Tea		Generic 15-18 cy, 63	<u>4</u>						
0	·		CAT 988H							
Supj	port Equipment -L		NA Cat D8T - 8SU							
Road N	-Dump Area: Cat D8T - 8SU Road Maintenance –Motor Grader: CAT 14M									
itoud it			Water Tanker, 2,500	Gal.						
		I.								
Cost Breakdown:	Truck/Loa	der Team		Equipment		nce Equipment				
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck				
%Utilization-machine:	100	7	5 NA	100	100	100				
Ownership cost/hour:	\$26.62	\$83.3	8 NA	\$83.81	\$54.68	\$7.88				
Operating cost/hour:	\$47.82	\$60.9	NA NA	\$66.17	\$46.99	\$14.74				
%Utilization-riper:	NA		0 NA	NA	NA	NA				
Ripper own. cost/hour: NA \$0			0 NA	\$0.00	\$0.00	\$0.00				
Ripper op. cost/hour: NA \$0		\$0.0	0 NA	\$0.00	\$0.00	\$0.00				
Operator cost/hour: \$30.37 \$41.		\$41.2	0 NA	\$41.85	\$28.90	\$0.00				
Unit Subtotals:	\$104.81	\$185.5	0 NA	\$191.83	\$130.57	\$22.62				
Number of Units:	4		1 0	1	1	1				
Group Subtotals:	Work:	\$604.74	Support:	\$191.83	Maint:	\$153.19				
Total work team co	st/hour: \$949.76									

MATERIAL QUANTITIES

Initial volume: Loose volume:	9,470 11,506	CCY Swell factor: 1.215 LCY				
Source of estimated volume: Source of estimated swell factor:		Division of Reclamation, Mining & Safety				
Material Purchase Cost:		\$0.00				
	Total Cost:	\$0.00				

HOURLY PRODUCTION

Truck Capacity: Truck Payload (weight) Bas							
Material weight:	1,600	Pounds	Pounds/LCY				
Description: Top Soil							
Payload Capacity:	39.99	Pounds LCY					
Truck Bed (volume) Basis:							
Struck Volume:	15.00	LCY					
Heaped Volume:	18.00	LCY					
Average Volume:	16.50	LCY					
Adjusted Volume:	18.00	LCY					
Final	Truck Volume I	Based on Number of L	oader Passes:	16.56	LCY		
Loading Tool Capacity							
	0.000		Buck	et Size Class: NA	A		
Rated Capacity:	9.200	LCY (heaped)	dama	1000/ \ 0.000			
Bucket Fill Factor:	0.900	Other - soil, boul	ders, roots (80	-100%) 0.900			
Adjusted Capacity:	8.280	LCY					
Job Condition Corrections	<u>s:</u>	Site	e Altitude (ft.):	<u>5700</u> feet			
	Truck	Loader	Source				
Altitude Adj:	1.000	1.000	(CAT HE				
Job Efficiency:	0.830	0.830	(CAT HE	3)			
Net Correction:	0.830	0.830					
Loading Tool Cycle Time		Number of Loading To	ol Passes Requ	uired to Fill	r	basses	
	_			Truck:	2 F		
Excavators and Front Shove							
Machine Cycle Time	vs. Job Condition within this Basi						
		<u> </u>					
	 Material Descr 	iption:					
Cycle Time Elements (min.)):						
Load: NA	Μ	aneuver: NA		Dump: 0.100)		
Wheel and Trac	ck Loaders - Una	idjusted Basic Loader	•	ad, dump, 0.	575 minut	es	
Cycle Time Factors				Factor (min.)	Source		
Material: Material up to 1/8" diamet				0.020	(Cat HB)		
Stockpile	Dumped by	ruck 0.02			(Cat HB)		
Truck Ownership: Common ownership of true 0.04			loaders -	-0.040	(Cat HB)		
Operation		eration -0.04		-0.040	(Cat HB)		
Dump Target: No adjustment - factor not				0.000	(Cat HB)		
		Net Cycle Time		-0.040	minutes		
		Adjusted Loader		0.535	minutes		
		Net Load Tim	e per Truck:	0.635	minutes		

Truck Cycle Time:

Truck Exchange Time:	0.50	Minutes	Adjusted for site altitude:	0.500	Minutes
Truck Load Time:	0.635	Minutes	Adjusted for site altitude:	0.635	Minutes
Truck Maneuver and Dump Time:	0.90	Minutes	Adjusted for site altitude:	0.900	Minutes

maintained 2.0

Truck Travel (Haul & Return) Time: Road Condition: Hard, smooth, stabilized, surfaced, watered,

Haul Route:

]	Haul Route	e:								
	Seg #	Haul D	Distance	Grade (%)	Roll. Res	Total Res	Velocity	Travel		
		(Ft)			(%)	(%)	(fpm)	Time		
-	1	8100.0	0	1.00	2.00	3.00	2800	(min) 3.070		
L	•	0100.0	0	1.00	2.00					
1	Return Rou	ito:				Haul Time:	3.070	min	utes	
נ 	Seg #		Distance	Grade (%)	Roll. Res	Total Res	Velocity	Travel		
	Seg #	(Ft)	istance	Grade (70)	(%)	(%)	(fpm)	Time		
_		, ,					-	(min)		
	1	8100.0	0	-1.00	2.00	1.00	2963	2.767		
						Return Time:	2.767	7 mi	nutes	
					Total True	ck Cycle Time:			nutes	
T.		1								
LC	bading Too Produ	iction	875.42	LCY/Hour		Adjusted for jo	h afficiency:	726.6	0 LCY/Hour	
Truck			075.42			Aujusicu ioi je	bo efficiency.	720.0		
TTUCK	Truck Unit Production		126.22	LCY/Hour		Adjusted for jo	b efficiency:	104.7	6 LCY/Hour	
		_				Juni ju				
Optima	l No. of Ti	ucks:	7	Truck(s)	Selected Number of Tr		er of Trucks:	4	Truck(s)	
				Adjusted hourly truck team production			n: 419.05 I		LCY/Hour	
	Adjusted single truck/loader team produc					1			LCY/Hour	
			A	djusted multiple				.05 L	CY/Hour	
JOB TIME AND COST										
	Fleet size:		1	Team(s)	Te	otal job time:	27.4	6	Hours	
	TT T		#2.2 (c)			-	44 < 4	=0		
	Unit	cost:	\$2.266	/LCY	T	otal job cost:	\$26,0	78		