COST SUMMARY WORK

Task description:			Permit Bond Estimate Summary						
Site:	Site: Gladstone Toll Mill		Pe	rmit Action:	Permit Bond Estimate	Permit/Job#	#: <u>M2021007</u>		
<u> P</u> F	ROJECT	IDENTIFIC	CATION						
	Task #:	000	State:	Colorado		Abbreviation:	None		
	Date:	7/19/2021	County:	Clear Cree	k	Filename:	M007-000		
	User:	PSH							
	Age	ency or organi	zation name: DI	RMS					

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Remove Mill Equipment	DEMOLISH	1	8.00	\$229
002	Grade Interior Haul Road	LOADER	1	12.71	\$1,473
003	Gravel Interior Road	LOADER	1	3.17	\$368
004	Mob / Demob	MOBILIZE	1	4.22	\$3,341
005	Purchase Gravel	SITEMAINT ENANCE	1	0.00	\$2,160
		28.1	\$7,571		

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$153
Performance bond:	1.05	Total =	\$79
Job superintendent:	14.05	Total =	\$1,012
Profit:	10.00	Total =	\$757
		TOTAL O & P =	\$2,002
		CONTRACT AMOUNT (direct + O & P) = $($	\$9,573

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	\$0	Total =	\$0
Engineering work and/or contract/bid preparation:	4.25	Total =	\$407
Reclamation management and/or administration:	5.00		\$479
CONTINGENCY:	0.00	Total =	\$0
	0.00	Total	<u> </u>
		TOTAL INDIRECT COST =	\$2,887

TOTAL BOND AMOUNT (direct + indirect) = \$10,500 (Rounded)

DEMOLITION WORK

Task description: Remove Mill Equipment							
Site: Gladstone T	oll Mill	Permit Action: Perm	nit Bond Estimate	<u>e</u> P	ermit/Job#:	M2021007	
PROJECT IDENTI	FICATION						
Task #: 001	S	tate: Colorado		Abbrevia	tion: Nor	e	
Date: 7/19/2021	Cou	inty: Clear Creek		Filen	ame: M0	07-001	
User: PSH		-					
Agency	or organization nam	e: DRMS					
<u>UNIT COSTS</u>				Location	<u>n adjustmer</u>	<u>it: 90.00 %</u>	
Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost	
Ball Mill and Shaker Tables	60' x 30'	Grove GMK3055, 141', 54.4 MT	1.00	EA	\$254.90	\$254.90	

				Total Cost	
		Subtotal		(adjusted for	
Job Hours:	8.00	(unadjusted):	\$254.90	location):	\$229.41

WHEEL LOADER - LOAD AND CARRY WORK

Gladstone Toll Mill	Perm	aul Road	Permit Bond Estim	ate P	ermit/Job#:	M2021007
PROJECT IDENTIF	<u>ICATION</u>					
Task #: 002	State:	Colorado			reviation:	None
Date: 7/19/2021	County:	Clear Cre	ek		Filename:	M007-002
User: PSH						
Agency or organ	nization name: DRM	MS				
HOURLY EQUIPME	ENT COST					
Basic Machine:	CAT 950H		Но	orsepower:		197
Attachment 1:	ROPS Cab			Shift Basis:		er day
_			Da	ata Source:	(0	CRG)
Cost Breakdown:						
			Utilization %			
Ownership Cost/H			NA			
Operating Cost/H			100			
Operator Cost/H	-		NA			
Total Unit Cost/H	Hour: \$115.8	6				
Total Fleet Cost/	Hour: \$115.8	36				
MATERIAL QUANT	TITIES					
	TITIES ,613	CCY	Swell factor:	1.000		
		CCY LCY	Swell factor:	1.000		
Initial volume: Loose volume:	,613 1,613	LCY				
Initial volume: Loose volume: Source o	,613	LCY	of Reclamation, Min		 .y	
Initial volume: Loose volume: Source o	,613 1,613 of estimated volume:	LCY Division	of Reclamation, Min		.y	
Initial volume: Loose volume: Source o	,613 1,613 of estimated volume: timated swell factor:	LCY Division	of Reclamation, Min		 y	
Initial volume: Loose volume: Source of Source of est	,613 1,613 of estimated volume: timated swell factor: <u>FION</u>	LCY Division Cat Han	of Reclamation, Min dbook	ing & Safet		
Initial volume: Loose volume: Source of Source of est HOURLY PRODUCT	,613 1,613 of estimated volume: timated swell factor: <u>FION</u> Unadjusted Basic C	LCY Division Cat Han	of Reclamation, Min	ver):	0.500	
Initial volume: Loose volume: Source of Source of est HOURLY PRODUCT Loader Cycle Time: Cycle Time Facto	,613 1,613 of estimated volume: timated swell factor: FION Unadjusted Basic Cors	LCY <u>Division</u> Cat Han	of Reclamation, Min dbook (load, dump, maneu	ver):Factor	0.500 or (min.)	Source
Initial volume: Loose volume: Source of Source of est HOURLY PRODUCT Loader Cycle Time: Cycle Time Facto Materia	,613 1,613 of estimated volume: timated swell factor: <u>FION</u> Unadjusted Basic Cors al: Material up to 1/	LCY <u>Division</u> Cat Han Cycle Time /8" diamete	of Reclamation, Min dbook (load, dump, maneu	ver): Factor0	0.500 pr (min.) 020	Source (Cat HB)
Initial volume: Loose volume: Source of Source of est HOURLY PRODUCT Loader Cycle Time: Cycle Time Facto Materia Stockpil	,613 1,613 of estimated volume: timated swell factor: FION Unadjusted Basic Cors al: Material up to 1/ le: Dumped by truck	LCY Division Cat Han Cycle Time /8" diamete k 0.02	of Reclamation, Min dbook (load, dump, maneur er 0.02	ver): Facto 0 0 0	0.500 or (min.) .020 .020	Source (Cat HB) (Cat HB)
Initial volume: Loose volume: Source of Source of est HOURLY PRODUCT Loader Cycle Time: Cycle Time Facto Materia Stockpil Truck Ownershi	,613 1,613 of estimated volume: timated swell factor: FION Unadjusted Basic Cors al: Material up to 1/ le: Dumped by truck p: Common owners	LCY Division Cat Han Cycle Time /8" diamete k 0.02 ship of true	of Reclamation, Min dbook (load, dump, maneu	ver): Factor 0 0 -0	0.500 or (min.) .020 .020 .040	Source (Cat HB) (Cat HB) (Cat HB)
Initial volume: Loose volume: Source of Source of est HOURLY PRODUCT Loader Cycle Time: Cycle Time Facto Materia Stockpil	,613 1,613 of estimated volume: timated swell factor: FION Unadjusted Basic Cors al: Material up to 1/ le: Dumped by truck ip: Common ownersion: Constant operati	LCY Division Cat Han Cycle Time /8" diamete k 0.02 ship of true on -0.04	of Reclamation, Min dbook (load, dump, maneur er 0.02	ver): Factor 0 0 0 0 0 0	0.500 or (min.) .020 .020	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB)
Initial volume:, Loose volume: Source of Source of est HOURLY PRODUCT Loader Cycle Time: Cycle Time Facto Materia Stockpil Truck Ownershi Operatio	,613 1,613 of estimated volume: timated swell factor: FION Unadjusted Basic Cors al: Material up to 1/ le: Dumped by truck ip: Common ownersion: Constant operati	LCY Division Cat Hand Cycle Time /8" diamete k 0.02 ship of true on -0.04	of Reclamation, Min dbook (load, dump, maneur er 0.02 cks and loaders -0.04	ver): Factor 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.500 or (min.) .020 .020 .040 .040	minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)
Initial volume:, Loose volume: Source of Source of est HOURLY PRODUCT Loader Cycle Time: Cycle Time Facto Materia Stockpil Truck Ownershi Operatio	,613 1,613 of estimated volume: timated swell factor: FION Unadjusted Basic Cors al: Material up to 1/ le: Dumped by truck ip: Common ownersion: Constant operati	LCY Division Cat Han Cycle Time /8" diamete k 0.02 ship of true on -0.04 4 Net Cy	of Reclamation, Min dbook (load, dump, maneur er 0.02	ver): Factor 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.500 or (min.) .020 .020 .040 .040 .040	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)
Initial volume: Loose volume: Source of Source of est HOURLY PRODUCT Loader Cycle Time: Cycle Time Facto Materia Stockpil Truck Ownershi Operatio Dump Targe	,613 1,613 of estimated volume: timated swell factor: FION Unadjusted Basic Cors al: Material up to 1/ le: Dumped by truck ip: Common owners n: Constant operati et: Small target 0.04	LCY Division Cat Han Cycle Time /8" diamete k 0.02 ship of true on -0.04 4 Net Cy	of Reclamation, Min dbook (load, dump, maneur er 0.02 cks and loaders -0.04 rcle Time Adjustment	ver): Factor 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.500 pr (min.) .020 .020 .040 .040 .040 .040 .040	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Initial volume: Loose volume: Source of Source of est HOURLY PRODUCT Loader Cycle Time: Cycle Time Facto Materia Stockpil Truck Ownershi Operatio Dump Targe	,613 1,613 of estimated volume: timated swell factor: FION Unadjusted Basic Cors al: Material up to 1/ le: Dumped by truck ip: Common ownersion: Constant operation et: Small target 0.04 d Conditions	LCY Division Cat Han Cycle Time /8" diamete k 0.02 ship of true on -0.04 4 Net Cy Adjus	of Reclamation, Min dbook (load, dump, maneur er 0.02 cks and loaders -0.04 rcle Time Adjustment ted Basic Cycle Time	ver): Factor 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.500 or (min.) .020 .020 .040 .040 .040 .040 .000 .500	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Initial volume: Loose volume: Source of Source of est HOURLY PRODUCT Loader Cycle Time: Cycle Time Facto Materia Stockpil Truck Ownershi Operatio Dump Targe	,613 1,613 of estimated volume: timated swell factor: FION Unadjusted Basic Cors al: Material up to 1/ le: Dumped by truck ip: Common ownerstive ip: Constant operative et: Small target 0.04 <u>d Conditions</u> _Firm, smooth, rolli	LCY Division Cat Han Cycle Time /8" diamete k 0.02 ship of true on -0.04 4 Net Cy Adjust	of Reclamation, Min dbook (load, dump, maneur er 0.02 cks and loaders -0.04 rcle Time Adjustment	ver): Factor 0 0 0 0 0 0 0 0 0 0 0 0 0 2 0 0 2 0 0 2 0 0 2 0 0 2 0 0 2 0 0 2 0 0 2 0	0.500 or (min.) .020 .020 .040 .040 .040 .040 .500	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes

	Length (feet)	Grade Res. (%)	Rolling Res. (%)	Total Res. (%)	Travel Time (minutes)	Source
Haul Route:	675	0.00	3.00	3.00	0.5486	(Cat HB)
Return Route:	675	0.00	3.00	3.00	0.5128	(Cat HB)

			Total Travel Tin Total Cycle Tin		
Load Bucket Capacity					
Rated Capac	ity: 4.30	LCY (hea	ped)		
Bucket Fill Fac	tor: 0.925	Loose ma	terial - 1/8" to 3/8	" (90 - 95%) ().925
Adjusted Capac	ity: 3.98	LCY			
Job Condition Correcti Site Altitude: <u>7680</u> fee					
		Source			
Altitude Adj:	1.00	(CAT HB)		
Job Efficiency:	0.83	(1 shift/day	y)		
Net Correction:	0.83	multiplier			
L	Inadjusted Hourly Un		152.85	LCY/Hour	
	Adjusted Hourly Un		126.86	LCY/Hour	
	Adjusted Hourly Flee	et Production:	126.86	_ LCY/Hour	
JOB TIME AND C	<u>OST</u>				
Fleet size:	1 Loader(s	s)	Total job time:	12.7	1 Hours

 Unit cost:
 \$0.913
 /LCY
 Total job cost:
 \$1,473

WHEEL LOADER - LOAD AND CARRY WORK

Gladstone Toll Mill Pe	rmit Action:	Permit Bond Est	timate Pe	ermit/Job#:	M2021007
ROJECT IDENTIFICATION					
Task #: 003 State:	Colorado		1 bb	reviation:	None
Date: $7/19/2021$ County:	-	ale		Filename:	M007-003
User: PSH		CK	I	inename.	11007-003
Agency or organization name:	RMS				
OURLY EQUIPMENT COST					
Basic Machine: CAT 950H			Horsepower:		197
Attachment 1: ROPS Cab			Shift Basis:		er day
			Data Source:		CRG)
ost Breakdown:					/
<u>St Dieukuo wiii</u>		Utilization %			
Ownership Cost/Hour: \$38	.59	NA			
Operating Cost/Hour: \$36		100			
Operator Cost/Hour: \$40		NA			
Total Unit Cost/Hour: \$11	5.86				
Total Fleet Cost/Hour: \$11	5.86				
ATERIAL QUANTITIES					
Initial volume: 403	CCY	Swell facto	or: <u>1.000</u>		
Loose volume: 403	LCY				
Source of estimated volume	: Division	of Reclamation, N	Mining & Safety	y	
Source of estimated swell factor					
OURLY PRODUCTION					
bader Cycle Time: Unadjusted Basi	c Cycle Time	(load, dump, man	euver):	0.500	minutes
Cycle Time Factors			Factor	(min.)	Source
Material: Material 1/8"	to 3/4" diame	eter -0.02		020	(Cat HB)
Stockpile: Dumped by tr	uck 0.02		0.	020	(Cat HB)
	ership of true	cks and loaders -0.	04 -0.	040	(Cat HB)
Operation: Constant oper				040	(Cat HB)
Dump Target: Small target (.04		0.	040	(Cat HB)
		cle Time Adjustme		040	minutes
			me 0.	460	minutes
	Adjust	ted Basic Cycle Ti	inc. 0.		
lling Resistance - Road Conditions	Adjust	ted Basic Cycle Ti	ine. <u>0.</u>		
olling Resistance – Road Conditions	Ū	·			
Haul:Firm, smooth, re	olling, dirt/lt.	surfaced, watered, surfaced, watered,	, maintained 3.0		

	Length (feet)	Grade Res. (%)	Rolling Res. (%)	Total Res. (%)	Travel Time	Source
	(leet)	(%)	Res. (%)	(%)	(minutes)	
Haul Route:	675	0.00	3.00	3.00	0.5486	(Cat HB)
Return Route:	675	0.00	3.00	3.00	0.5128	(Cat HB)

			Total Travel Tin Total Cycle Tin		minutes
Load Bucket Capacity					
Rated Capacit Bucket Fill Factor	•	LCY (heap Loose mate		" (90 - 95%) 0.925	
Adjusted Capacit	ty: 3.98	LCY			
Job Condition Correction Site Altitude: 7680 feet	<u>n Factors</u>				
		Source			
Altitude Adj:	1.00	(CAT HB)			
Job Efficiency:	0.83	(1 shift/day	·)		
Net Correction:	0.83	multiplier			
	adjusted Hourly Un Adjusted Hourly Un	-	<u>156.87</u> 130.20	_ LCY/Hour LCY/Hour	
	Adjusted Hourly Flee	-	130.20	LCY/Hour	
JOB TIME AND CO					
Fleet size:	1 Loader(s	s)	Total job time:	3.10	Hours

 Unit cost:
 \$0.890
 /LCY
 Total job cost:
 \$359

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description:	Mo	b / Demob					
te: Gladstone Toll	Mill	Permit	Action: Permi	t Bond E	stimate	Permit/Job#	: <u>M2021007</u>
PROJECT IDEN	TIFICATI	<u>ON</u>					
Task #: 004 Date: 7/19 User: PSH					Abbreviation: None Filename: M007		
Agency of	r organization	name: DRMS					
EQUIPMENT T	RANSPOR'	<u>T RIG COST</u>					
					Shift ba Cost Data Sou		ber day G Data
Truck	Tractor Desc	ription: GENE	RIC ON-HIGH		UCK TRACTO P (2ND HALF,		ESEL POWERED,
Truck	Trailer Desc	ription: G	ENERIC FOLD T		OSENECK, DI R (25T, 50T, Al		EQUIPMENT
Cost Breakdown:							
Available Rig Ca	pacities	0-25 Tons	26-50 Tons	51	+ Tons		
Ownership	Cost/Hour:	\$21.28	\$37.94	\$	647.67		
Operating	Cost/Hour:	\$26.55	\$50.48	\$	56.21		
Operator	Cost/Hour:	\$20.54	\$20.54	\$	520.54		
Helper Cost/Hour:		\$0.00	\$23.53		523.53		
Total Unit Cost/Hour:		\$68.37	\$132.49	\$	147.95		
NON ROADABI	LE EQUIPN	<u>IENT:</u>					
Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return Tr	ip DOT Permit
Description	Unit (TONS)	Cost/hr/ unit	Cost/hr/uni t	Size	Cost/hr/ fleet	Cost/hr/ f	
Grove GMK3055, 141', 54.4 MT	39.30	\$113.95	\$132.49	1	\$246.44	\$132.49	\$250.00
CAT 950H	20.13	\$38.59	\$68.37	1	\$106.96	\$68.37	\$250.00
Flatbed Truck,	7.50	\$18.23	\$68.37	1	\$86.60	\$68.37	\$250.00

ROADABLE EQUIPMENT:

6x4, 45K GVW

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
		Subtotals:	\$0.00	\$0.00

\$269.23

\$750.00

\$440.00

Subtotals:

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: Total one-way travel distance: Average Travel Speed:	IDAHO SPRINGS 2.00 35.00	miles mph
Total Non-Roadable Mob/Demob Cost *	\$3,341.05	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$0.00	

Transportation Cycle Time:

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	0.06	0.06
Return Time (Hours):	0.06	0.06
Loading Time (Hours):	1.00	NA
Unloading Time (Hours):	1.00	NA
Subtotals:	2.11	0.11

JOB TIME AND COST

Total job time: **4.23** Hours

Total job cost: \$3,341

SITE MAINTENANCE

Т	ask description:	Purchase G	Gravel				
Site:	Gladstone Toll Mi	111	Permit Action:	Permit Bond Estimate	e Permit/	Job#: <u>M2021007</u>	
PROJEC	<u>T IDENTIFICA</u>	TION					
Task #: Date: User:	005 7/19/2021 PSH	State: County:			Abbreviation: Filename:	None M007-005	
	Agency or org	ganization name:	DRMS				
UNIT CO	<u>STS</u>						

Maintenance Item	Hours per Year	Menu Selection	Quantity	Unit	Unit Cost	Total Cost
3/4" Gravel, 240CY @ \$9.00/CY	1.00	USER PROVIDED ITEM	240.00	1	\$9.00	\$2,160.00

Job Hours: 0.00

Total Cost: \$2,160.00