

October 31, 2024

Chris Skerik Thorin Resources, LLC 1900 Main St. Unit #1 Ouray, CO 81432

Re: Revenue Mine - File No. M-2012-032

Thorin Resources, LLC Surety Increase (SI-1)

Surety Increase based on TR-17 and Periodic Udate.

Dear Chris Skerik:

On October 31, 2024 the Division of Reclamation, Mining and Safety increased the current Financial Warranty for this permit to \$600,973.00, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of \$90,913.00.

Surety Increase based on the details contained in TR-17 as well as a Periodic Update for Inflationary costs.

On October 31, 2024, the Division ordered amendment of the current Financial Warranty or submittal of a new Financial Warranty reflecting the increase, within 60 days.

Please make arrangements with Sara M. Stevenson-Benn at the Division's Denver office for submittal of the financial warranty. Any other questions regarding completion, execution and/or submittal of financial warranty forms should also be directed to Sara M. Stevenson-Benn by telephone at (303) 866-3567, or by email at Sara.stevenson-benn@state.co.us.

The Permittee for this site may be scheduled for a Formal Board Hearing for possible revocation of the permit if the amount of any increased Financial Warranty has not been provided by December 30, 2024.

Bond Held:	\$517,219.00
Prior Liability:	\$510,060.00
Change in Liability:	\$90,913.00



Revised Liability:	\$600,973.00
Prior Permit Acreage:	51.69
Change in Permit Acreage:	0.00
Revised Permit Acreage:	51.69
Prior Affected Acreage:	51.69
Change in Affected Acreage:	0.00
Revised Affected Acreage:	51.69

If you have any questions, please contact me by telephone at (303) 919-2997, or by email at Lucas.west@state.co.us.

Sincerely,

Lucas J. West

Environmental Protection Specialist

M-GR-04

COST SUMMARY WORK

Task descri	ption:	2024Post TR-17	Update			
Site: Revenue	Mine	Pe	rmit Action:	2024 Update	Permit/Job	#: <u>M2012032</u>
PROJECT	'IDENTIFIC	CATION				
Task #: Date: User:	10/29/2024	State: County:	Colorado Ouray		Abbreviation: Filename:	None M032-000

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001a	Removal of Permanent Structures and Surface Debris	DEMOLISH	1	200.00	\$110,844
001b	Disposal of Chemicals-Per TR-14	DEMOLISH	1	20.00	\$4,705
001c	P & A GW Monitoring Wells	BOREHOLE	1	36.00	\$2,011
002a	Contour portal backfill areas	DOZER	1	21.99	\$10,445
002b	Reinforce gate at Revenue Portal	MINESEAL	1	40.00	\$3,816
003a	Shaft foundation and structure removal	DEMOLISH	1	100.00	\$10,087
003b	Vent Shaft Closure-Cut Casing	BOREHOLE	1	12.00	\$81
003c	Vent Shaft Closure-Place Seal	MINESEAL	1	24.00	\$4,450
003d	Vent Shaft Closure- Excavate & Bury	EXCAVATE	1	2.47	\$1,228
004a	Minor site grading	DOZER	1	8.31	\$3,945
005a	Import Topsoil- Purchase and Delivery	NA	1	0.00	\$209,350
005b	Spread Topsoil on TSF	DOZER	1	8.71	\$4,137
005c	Transport caprock for Atlas TSF	TRUCK1	1	17.02	\$8,992
005d	Spread Caprock on TSF	DOZER	1	15.38	\$7,303
005e	Rip Compacted Areas	RIPPER	1	5.59	\$2,712
006a	Reveg TSF	REVEGE	1	30.00	\$22,146
007a	Initial Mobilization	MOBILIZE	1	11.14	\$19,493
007b	Walk equipment to Govenors Basin	MOBILIZE	1	18.66	\$5,200
007c	Secondary Mobilization	MOBILIZE	1	7.14	\$1,886
TR-17	Removal of Processing Equipment in Train Shed	NA	1	55.90	\$10,304
		<u>SUBTO</u>	TALS:	634.31	\$443,135

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$8,951
Performance bond:	1.05	Total =	\$4,653
Job superintendent:	317.15	Total =	\$25,140

Profit: 10.00

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	\$500	Total =	\$500
Engineering work and/or contract/bid preparation:		Total =	\$34,676

Reclamation management and/or administration: 5.00 \$26,310

CONTINGENCY: 3.00 Total = \$13,294

TOTAL INDIRECT COST = \$157,838

TOTAL BOND AMOUNT (direct + indirect) = \$600,973

DEMOLITION WORK

	Task description:	Removal of Permanent Stru	actures and Surface Debris		
Site:	Revenue Mine	Permit Action:	2024 Update	Permit/Job#:	M2012032

PROJECT IDENTIFICATION

Task #:	001A	State:	Colorado	Abbreviation:	None
Date:	10/29/2024	County:	Ouray	Filename:	M032-001a
User:	LJW				

Agency or organization name: DRMS

<u>UNIT COSTS</u> <u>Location adjustment: 87.60 %</u>

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Remove Diesel Storage Tank	10,000 gal	Haul tank to certified salvage dump - 3,000 to 5,000 gal. tank	2.00	EA	\$760.00	\$1,520.00
Diesel Filling Station	AM-2 Update	USER PROVIDED ITEM	1.00	EA	\$610.56	\$610.56
Administration Bldg-Internal Contents Only	AM-2 Update	USER PROVIDED ITEM	1.00	EA	\$4,579.20	\$4,579.20
Air Compressor Bldg-Internal Contents Only	AM-2 Update	USER PROVIDED ITEM	1.00	EA	\$2,544.00	\$2,544.00
Propane Storage Bldg A	AM-2 Update	USER PROVIDED ITEM	1.00	EA	\$954.00	\$954.00
Propane Storage Bldg C	AM-2 Update	USER PROVIDED ITEM	1.00	EA	\$954.00	\$954.00
Vent Fan	AM-2 Update	USER PROVIDED ITEM	1.00	EA	\$636.00	\$636.00
Rail Yard Track & Ties	AM-2 Update	USER PROVIDED ITEM	400.00	LF	\$20.67	\$8,268.00
Rail Yard & Battery Charging Bldg- Contents Only	TR-13	USER PROVIDED ITEM	1.00	EA	\$2,544.00	\$2,544.00
Underground Warehouse and Shop	AM-2 Update	USER PROVIDED ITEM	1.00	EA	\$636.00	\$636.00
Concentrator & Filter Bldg- Internal Contents Only	DRMS	USER PROVIDED ITEM	1.00	EA	\$16,960.00	\$16,960.00
Waste Storage Pad & Secondary Containment	AM-2 Update	USER PROVIDED ITEM	1.00	EA	\$5,300.00	\$5,300.00
Tailings Thickener - Tank Cut Up	AM-2 Update	USER PROVIDED ITEM	1.00	EA	\$5,300.00	\$5,300.00
Tailings Thickener- Cement Pad and Piping	AM-2 Update	USER PROVIDED ITEM	1.00	EA	\$8,480.00	\$8,480.00
Crusher & Retaining Wall	AM-2 Update	USER PROVIDED ITEM	1.00	EA	\$3,180.00	\$3,180.00
Portal Cover Structure	AM-2 Update	USER PROVIDED ITEM	1.00	EA	\$4,324.80	\$4,324.80
Half-Culvert	AM-2 Update	USER PROVIDED ITEM	1.00	EA	\$8,310.00	\$8,310.00
Water Tanks	AM-2 Update	USER PROVIDED ITEM	4.00	EA	\$477.00	\$1,908.00

^{**}All User Provided Items have been increased by 6% for inflationary costs**

Demo Worksheet Cont'd Task # TTT Page 2 of 2

Misc Debris-	AM-2 Update	Dump fees - Building	150.00	CY	\$11.10	\$1,665.00
Disposal		construction materials.				
Misc Debris-	TR-11 PAR	Hauling only, per mile,	390.00	MI	\$10.14	\$3,955.15
Transport	pg. 25	12-18 CY truck - 30				
		mph average speed				
2x Equipment	TR-16	Bldg. (SN) demo./on-	114,000.00	CF	\$0.24	\$26,926.80
Storage Shed-		site disposal in existing				
Building Demo		pit or cut - Max. 200 ft.				
		push				
2x Equipment	TR-16	Demo. and on-site	68.00	LF	\$7.13	\$484.85
Storage Shed-		disposal in existing pit,				
Footers		1.5 ft. x 2 ft Max.				
		200 ft. push				
Security Building-	TR-16	Hauling only, per mile,	53.00	MI	\$10.14	\$537.49
Load and transport		12-18 CY truck - 30				
•		mph average speed				
Equipment Wash	TR-16	Demo. and on-site	490.00	SF	\$1.19	\$582.32
Area-Slab		disposal in existing pit,				
		6 in. thick - Max. 200				
		ft. push				
Equipment Wash	TR-16	Demo. and on-site	120.00	LF	\$4.53	\$543.71
Area-curbing		disposal in existing pit,				
C		1.0 ft. x 2 ft Max. 50				
		ft. push				
Remove Diesel	TR-16	Haul tank to certified	1.00	EA	\$1,050.00	\$1,050.00
Storage Tank-		salvage dump - 9,000				
Generator		to 12,000 gal. tank				
Tailings Thickener	42' x 42' x 8'	USER PROVIDED	1.00	EA	\$13,780.00	\$13,780.00
Buidling Demo		ITEM				

				Total Cost	
		Subtotal		(adjusted for	
Job Hours:	200.00	(unadjusted):	\$126,533.88	location):	\$110,843.68

DEMOLITION WORK

Task description:	Disposal of Chemicals-Per TR-14

Site: **Revenue Mine** Permit Action: 2024 Update Permit/Job#: M2012032

PROJECT IDENTIFICATION

Task #:001BState:ColoradoAbbreviation:NoneDate:10/29/2024County:OurayFilename:M032-001b

User: LJW

Agency or organization name: DRMS

<u>UNIT COSTS</u> <u>Location adjustment: 87.60 %</u>

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Lime	2x 1800 lb Super Sacks	Dump fees - Reclamation station, usual charge	2.00	CY	\$11.10	\$22.20
Xanthate (Nax, Flottec SIPX Collector)	4x 50 lb bags	Hazardous waste removal - Bulk solids, small quantities (up to 1.5 tons)	0.10	TON	\$1,671.09	\$167.11
MIBC (OrePrep F-549, Polyfroth W20)	2x 55 gal drum	Hazardous waste removal - Drum solids/liquids, per drum, (1-6 drum job)	2.00	DRUM	\$492.56	\$985.13
Aerophine 3418A	1x 55 gal drum	Hazardous waste removal - Drum solids/liquids, per drum, (1-6 drum job)	1.00	DRUM	\$492.56	\$492.56
Sodium Metabisulfate	10x 50 lb bags	Hazardous waste removal - Bulk solids, small quantities (up to 1.5 tons)	0.25	TON	\$1,671.09	\$417.77
Copper Sulfate	1 x 2200lbs super sack	Hazardous waste removal - Bulk solids, small quantities (up to 1.5 tons)	1.00	TON	\$1,671.09	\$1,671.09
AeroFloat 242 (DanaFloat 067)	1x 55 gal drum	Hazardous waste removal - Drum solids/liquids, per drum, (1-6 drum job)	1.00	DRUM	\$492.56	\$492.56
Zinc Sulfate	10x 50 lb bags	Hazardous waste removal - Bulk solids, small quantities (up to 1.5 tons)	0.25	TON	\$1,671.09	\$417.77
Hyperfloc AF-309	4x 50lb bags	Hazardous waste removal - Bulk solids, small quantities (up to 1.5 tons)	0.10	TON	\$1,671.09	\$167.11
Transportation-Lime	2 CY	Hauling only, per mile, 12-18 CY truck - 30 mph average speed	53.00	MI	\$10.14	\$537.49

				1 otal Cost	
		Subtotal		(adjusted for	
Job Hours:	20.00	(unadjusted):	\$5,370.79	location):	\$4,704.81

BOREHOLE SEALING WORK

Site: _ F	Revenue Mine		Permit Action:	2024 Update	Permit	/Job#:	M2012032
ROJEC'	Γ IDENTIFICATI	<u>ION</u>					
Task #:	001C	State:	Colorado		Abbreviation:	None	;
Date: User:	10/29/2024 LJW	County:	Ouray		Filename:	M032	2-001c

UNIT COSTS

Borehole	Sealing/Item Method						
Description		Diameter	Length	Quantity	Unit	Unit Cost	Total Cost
Cut Casing	Exposed casing removal - Calculate Circumference in Linear Feet	4	1	9.00	LF	\$3.23	\$29.07
P & A GW Monitoring Wells	Portland cement grout - 4 in. (labor, equip, materials)	4	30	227.50	LF	\$8.71	\$1,982.25

Job Hours: 36.00 Total Cost: \$2,011.00

BULLDOZER WORK

Task description:	Contour portal	backfill area	S		
Revenue Mine	Pe	ermit Action:	2024 Update	Permit/Jo	b#: <u>M2012032</u>
ROJECT IDENTIFIC	CATION				
Task #:002A	State:	Colorado		Abbreviation:	None
Date: 10/29/2024	County:	Ouray		Filename:	M032-002a
User: LJW					
Agency or organ	ization name: D	RMS			
HOURLY EQUIPMEN	NT COST				
	D9T - 9SU		_		
Horsepower: 405			_		
	ni-Universal		=		
	nank ripper		_		
	er day		_		
Data Source: (CR	(t)		_		
Cost Breakdown:		I	TT/''' '' A/		
O1' C //II		¢252.16	<u>Utilization %</u>		
Ownership Cost/Hour:		\$253.16	NA 100		
Operating Cost/Hour: Ripper own.		\$164.35	100		
Cost/Hour:		\$18.79	NA		
Ripper op. Cost/Hour:		\$0.00	0		
Operator Cost/Hour:		\$38.59	NA		
Total Fleet Cost/Hour: MATERIAL QUANTI	\$474.89 TIES				
Initial Volume: 3,328	2				
Swell factor: 1.165					
	7 LCY				
·					
Source of estimated volu: Source of estimated swel					
factor:	I Cat Hall	JOOOK			
140001					
HOURLY PRODUCT	<u>ION</u>				
Average push distance:	235 feet				
Unadjusted hourly	588.4 LCY	/hr			
production:					
Materials consistency des	scription: Rock,	well ripped o	r blasted 0.8		
A varaga nuch	5 %				
Average push gradient:	J 70				
Average site altitude:	10,650 feet				
Average site attitude.	10,030 1001				
Material weight:	2,900 lbs/LCY				
Weight description:	Decomposed roc	x - 50% Rock	, 50% Earth		
ob Condition Correction I			Source		
Operator S	Skill: 0	.900	(AB.AVG.)		

Material consistency:	0.800	(CAT HB)
Dozing method:	1.000	(GEN.)
Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.700	(FND-MF)
Push gradient:	0.903	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.793	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.2996

Adjusted unit production:

Adjusted fleet production:

176.28 LCY/hr

176.28 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$2.694/LCY

Total job time: 21.99 Hours
Total job cost: \$10,445

SAFEGUARDING UNDERGROUND OPENINGS

Tas	k description:	_1	Reinforce g	ate at Revenue	Portal						
Site: R	evenue Mine		Permit Action: 2024 Update			Jpdate	Permit/Job#: M2012032				
<u>PROJECT</u>	IDENTIFIC	<u>CATION</u>									
Task #:	002B		State:	Colorado			Abbrevi	ation:	None	;	
Date: User:	10/29/2024 LJW		County:	Ouray			Filer	name:	M032	2-002b	
	Agency or	organizatio	on name: _	DRMS							
UNIT COS		Jser Prov	ided cost	s have been i	ncreas	ed by 6%	for infla	ationa	ry cos	sts**	
Opening Description	on	Dimension	ns Clo	osure Method	1	Quantity	Unit	Unit Cost		Total Cost	
Revenue Ga	nte	AM-2 Upda	ite US	ER PROVIDED IT	ГЕМ	1.00	EA	\$3,816	5.00	\$3,816.00	

Job Hours: 40.00

Total Cost: \$3,816.00

DEMOLITION WORK

Site: R	evenue Mine		Permit Action:	2024 Update	Permit	/Job#:	M2012032
ROJECT	TIDENTIFICATI	<u>ION</u>					
Task #:	003A	State:	Colorado		Abbreviation:	None	
Date:	10/29/2024	County:	Ouray	<u> </u>	Filename:	M032	2-003a
User:	LJW						

UNIT COSTS

Location adjustment: 87.60 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Monongahela Shaft/Hoist Foundation	TR-11 PAR	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	216.00	SF	\$2.27	\$489.35
Monongahela Shaft/Hoist- Superstructure	TR-11 PAR	Plant (1S) demo./on-site disposal in existing pit or cut - Max. 50 ft. push	2,304.00	CF	\$0.45	\$1,029.66
Monongahela- Lift house	TR-11 PAR	Plant (1S) demo./on-site disposal in existing pit or cut - Max. 200 ft. push	4,000.00	CF	\$0.47	\$1,870.00
Monongahela- Refuge Chamber	DRMS	Demo. only, small or single buildings (single story) - Steel structures	8,000.00	CF	\$0.20	\$1,632.00
Monongahela- CMP Walkway	DRMS	Pipe, corrugated metal (CMP) - 96 in. diameter pipe	100.00	LF	\$64.93	\$6,493.46

				Total Cost		
		Subtotal		(adjusted for		
Job Hours:	100.00	(unadjusted):	\$11,514.47	location):	\$10,086.68	

BOREHOLE SEALING WORK

ite: R	evenue Mine	Permit Actio	n: 2024 Update	Permit	/Job#: <u>M2012032</u>
<u>OJEC</u>	TIDENTIFICAT	<u>ION</u>			
Task #:	003B	State: Colorado		Abbreviation:	None
Date:	10/29/2024	County: Ouray		Filename:	M032-003b
User:	LJW	_	_		

UNIT COSTS

Borehole Description	Sealing/Item Method	Diameter	Length	Quantity	Unit	Unit Cost	Total Cost
Monogahela Shaft (escape)- Cut Casing	Exposed casing removal - Calculate Circumference in Linear Feet	96	25.1	25.10	LF	\$3.23	\$81.07

 Job Hours:
 12.00
 Total Cost:
 \$81.00

SAFEGUARDING UNDERGROUND OPENINGS

k description:	Vent Shaft Clos	ure-Place S	eal			
evenue Mine	Perr	nit Action:	2024 Update	Permit	/Job#: <u>M201203</u>	2
IDENTIFICATIO	<u>N</u>					
003C 10/29/2024 LJW				Abbreviation: Filename:	None M032-003c	
	evenue Mine IDENTIFICATIO 003C 10/29/2024	Evenue Mine Perr IDENTIFICATION 003C State: C 10/29/2024 County: O	Permit Action: DENTIFICATION	Evenue Mine Permit Action: 2024 Update IDENTIFICATION State: Colorado 10/29/2024 County: Ouray	Permit Action: 2024 Update Permit IDENTIFICATION O03C State: Colorado Abbreviation: 10/29/2024 County: Ouray Filename:	Permit Action: 2024 Update Permit/Job#: M201203 IDENTIFICATION O03C State: Colorado Abbreviation: None Filename: M032-003c

UNIT COSTS

Opening Description	Dimensions	Closure Method	Quantity	Unit	Unit Cost	Total Cost
Monongahela Shaft (escape)- Plate	8' x 8'	USER PROVIDED ITEM	1.00	EA	\$3,697.28	\$3,697.28
Monongahela Shaft (escape)- Cement Cap	8' x 8' x 6"	USER PROVIDED ITEM	32.00	CF	\$23.53	\$752.96

Job Hours: ______ 24.00 ____ Total Cost: _____ \$4,450.24

HYDRAULIC EXCAVATOR WORK

Task description:	Vent Sl	naft Closure- E	xcavate	& Bury			
e: Revenue Mine		Permit A	ction: 2	2024 Update		Permit/Job#	: <u>M2012032</u>
PROJECT IDENTI	FICATION						
Task #: 003D Date: 10/29/20 User: LJW	024	State: Cole County: Our	orado ay				None M032-003d
Agency or org	ganization nar	ne: DRMS					
HOURLY EQUIPM	ENT COST	<u>r</u>					
Basic Machine: Attachment 1:	Cat 336D ROPS Cal	L 10'-6" Stick b		W	Horsepower: Veight (MT): Shift Basis: Data Source:	26 29. 1 per (CR	30 day
Cost Breakdown:			1				
Ownership Cos Operating Cos Operator Cos Total Unit Cos	t/Hour:	\$244.29 \$218.49 \$33.87 \$496.65	U	tilization % NA 100 NA	- - -		
Total Fleet Co	-	\$496.65					
MATERIAL QUAN		ψ.,, σ., σ.,					
Initial volume: Loose volume:	353 469	CC LC		Swell facto	r: 1.330		
Source	of estimated	volume: DR	MS				
Source of	estimated swe	ell factor: <u>Ca</u>	t Handbo	ok			
HOURLY PRODUC	<u>CTION</u>						
Excavator Cycle Time (load bucket,	swing loaded, d	ump buck	ket, swing emp	<u>ty):</u>		
		Basic J	ob Condi	ition Description	on: BELOW	/ AVERAGI	Ξ
	Secondar	y Job Condition					
Load Bucket Capacity			C.	ycle Time Valı	ie: <u>0.390</u>	1	ninutes
<u>=====,</u>					Bucket Size C	lass: Sma	11
Rated Capac	ity:1	.56 LC	Y (heape				
Bucket Fill Fac				n Mixture (100	%-105%) 1.02	.5	
Adjusted Capac		1.60 LC	Y				
Job Condition Correction	n Factors			Site	Altitude: 1065	<u>0</u> feet	
Altitude Adj:	0.93		ource AT HB)				
Job Efficiency:	0.83		hift/day)				
Net Correction:	0.77		tiplier				
	Adjusted Hou	arly Unit Production	ction:	246.00 189.89	LCY/Hour LCY/Hour		
JOB TIME AND CO	J	rly Fleet Produ	ະແດກ:	189.89	_ LCY/Hour		
Fleet size:	<u> 1</u>	Excavator	Total	job time:	2.47		Hours
1 1001 5120.	1	LACAVAIOI	Total	joo ume.	4. 7		110415
Unit cost: \$	2.616	/LCY	To	otal job cost:	\$1,22	8	

BULLDOZER WORK

Task description: Minor	site grading			
e: Revenue Mine	Permit Action:	2024 Update	Permit/Jo	b#: <u>M2012032</u>
PROJECT IDENTIFICATION	[
Task #: 004A Date: 10/29/2024 User: LJW	State: Colorado County: Ouray		Abbreviation: Filename:	None M032-004a
Agency or organization na	me: DRMS			
HOURLY EQUIPMENT COST	<u>r</u>			
Basic Machine: Horsepower: Blade Type: Attachment: Shift Basis: Data Source: Cat D9T - 9S 405 Semi-Univers 3-shank rippe 1 per day (CRG)	al			
Cost Breakdown:				
Ownership Cost/Hour:	\$253.16	<u>Utilization %</u> NA		
Operating Cost/Hour:	\$164.35	100		
Ripper own. Cost/Hour:	\$18.79	NA		
Ripper op. Cost/Hour:	\$0.00	0		
Operator Cost/Hour:	\$38.59	NA		
MATERIAL QUANTITIES Initial Volume: 3,045 Swell factor: 1.165 Loose volume: 3,547 LCY				
Loose volume: 3,547 LCY Source of estimated volume: Source of estimated swell factor:	TR-13 Cat Handbook	_		
HOURLY PRODUCTION				
	0 feet 351.7 LCY/hr			
Materials consistency description:	Rock, well ripped or b	plasted 0.8		
Average push 0 % gradient:				
Average site altitude:10,650 t	<u>Ceet</u>			
Material weight: 2,900 lb	s/LCY			
Weight description: Decomp	osed rock - 50% Rock, 5	50% Earth		
Job Condition Correction Factor		Source		

Operator Skill:	0.750	(AVG.)
Material consistency:	0.800	(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:	0.793	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3159

Adjusted unit production:

Adjusted fleet production:

427.00 LCY/hr

427 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$1.112/LCY

Total job time: 8.31 Hours
Total job cost: \$3,945



58521 Amber Rd. Olathe , CO Phone (970)361-2590 , shawn.apt@pioneerco.com

Quotation

** Total Increased by 6% for inflationary costs by DRMS 10/31/2024 LJW**

September 21, 2022

Billing Address/Contact:	Shipping Address/Project:	
Ouray Silver Mines	Revenue Virginias Mine	
	Ouray, CO	
CJ		

Sales	Rep.	Proposed Shipping Date	Terms Prepare		epared by
307	57			9	Shawn
Qty	Unit		Price/Unit		Total
5,000	су	Topsoil screened	\$ 39.50	\$	197,500.00
	_			\$	-
		Price is Delivered		\$	-
				\$	-
				\$	-
				\$	- .
				\$	-
				\$	-
				\$	-
				\$	-
				\$	-
			TOTAL	\$	197,500.00

^{*} Quote is Good for 90 days, pricing does not include sales tax.

*Prices are subject to change without notice and are subject to all fuel surcharges in place at time of shipment. Please call a salesperson to schedule deliveries and verify price.

*Pioneer Wholesale Supply does not represent that quoted material is acceptable until approved by project manager.

*MUST HAVE APPROVED CREDIT PRIOR TO ORDERING

If I can help you or answer any further questions, please give me a call at 71970-361-2590

Thank you,

Shawn Apt Account Manager

^{*}Prices are predicated on the ability to deliver product with Flat Bed or walking floor trailer

BULLDOZER WORK

e: Revenue Mine	Permit Action	: 2024 Update	Permit/Jo	b#: <u>M2012032</u>
	CATION			
PROJECT IDENTIFI	<u></u>			
Task #: 005B	State: Colorado	<u> </u>	Abbreviation:	None
Date: 10/29/2024	County: Ouray		Filename:	M032-005b
User: LJW				
Agency or organ	nization name: DRMS			
HOURLY EQUIPME	NT COST			
Basic Machine: Cat	t D9T - 9SU			
Horsepower: 405				
	ni-Universal			
Attachment: 3-s	hank ripper			
Shift Basis: 1 p	er day			
	RG)			
Cost Breakdown:				
		Utilization %		
Ownership Cost/Hour:	\$253.16	NA		
Operating Cost/Hour:	\$164.35	100		
Ripper own. Cost/Hour:	\$18.79	NA		
Ripper op. Cost/Hour:	\$0.00	0		
Operator Cost/Hour:	\$38.59	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour:	\$474.89 \$474.89			
MATERIAL QUANTI	<u>ITIES</u>			
Initial Volume: 4,75	7			
Swell factor: 1.12				
	2 LCY			
Cormon of a-4:41 1	TD 11 DAD			
Source of estimated volu Source of estimated swe				
factor:	п Сантанивоок			
140.01.				
HOURLY PRODUCT	ION			
Average push distance:	100 feet			
Unadjusted hourly	1,243.2 LCY/hr			
production:				
Materials consistency de	escription: Partly consolidate	d stockpile 1.1		
Average push	0 %			
gradient:				
Average site altitude:	10,650 feet			
5				
Material weight:	2,550 lbs/LCY			
Weight description:	Earth - Dry packed			
Job Condition Correction	Factor	Source		

Operator Skill:	0.750	(AVG.)
Material consistency:	1.100	(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:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4941

Adjusted unit production:

Adjusted fleet production:

614.27 LCY/hr

614.27 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.773/LCY

Total job time: 8.71 Hours
Total job cost: \$4,137

TRUCK/LOADER TEAM WORK

ite: Revenue Mine		Perm	it Actio	n: 2024 Upd	ate	Permit/Job#:	M2012032
PROJECT IDEN Task #: 005C Date: 10/29 User: LJW	1		Colorad Ouray	lo	Abl		Mone M032-005c
Agency or	organization nan	ne: DRM	1S				
HOURLY EQUII	PMENT COST	-			Shift ba	sis: <u>1 per day</u>	
			Eq	uipment Descr	ription		
Т	ruck Loader Tea			ric 15-18 cy, 62	x4		
Cunn	ort Equipment -L	-Loader:	CAT NA	966H			
Ծ աքրի		imp Area:	NA				
Road Ma	aintenance –Moto	or Grader:	NA				
	-Wa	ter Truck:	NA				
Cost Breakdown:	Truck/Loa	der Team		Support	Equipment	Mainte	nance Equipmen
Cost Di candown.	Truck	Loader		Load Area	Dump Area	Motor Grader	Water Truck
Jtilization-machine:	100		100	NA	NA	NA	. NA
wnership cost/hour:	\$32.93	\$5′	7.78	NA	NA	NA	. NA
Operating cost/hour:	\$70.98	\$40	6.25	NA	NA	NA	. NA
%Utilization-riper:	NA		0	NA	NA	NA	
oper own. cost/hour:	NA		0.00	NA	NA	NA	
Ripper op. cost/hour:	NA		0.00	NA	NA	NA	
Operator cost/hour:	\$25.24		6.85	NA	NA	NA	
Unit Subtotals:	\$129.15	\$140		NA O	NA	NA	
Number of Units:	3	Φ520.22	1	0	0	0	
Group Subtotals:	Work:	\$528.33		Support:	\$0.00	Maint:	\$0.00
Total work team cos	t/hour: \$528.33						
MATERIAL QUA	ANTITIES						
Initial volume Loose volume)	CCY LCY	Swell	factor: 1.000		
	urce of estimated			e @ 1 ft thick			
	of estimated swe			ndbook			
	Material Purcha	_	\$0.00				
	То	tal Cost: _	\$0.00				
HOURLY PRO	<u>DUCTION</u>						
Truck Capacity: Truck Payload (weight							
Material v	weight: 2,950			Pounds/LCY	ľ		

Pounds

Description:

Rated Payload:

Traprock - broken

63,980

Truck/Loader Worksheet Con	t'd	Task # 0050			Page 2 of	4
Payload Capacity:	21.69	LCY				
Truck Bed (volume) Basis:	4.5.00					
Struck Volume:		LCY				
Heaped Volume:		LCY				
Average Volume:		LCY				
Adjusted Volume:	18.00	LCY				
Final T	ruck Volume I	Based on Number o	f Loader Passes:	16.50	LCY	
Loading Tool Capacity						
			Bucl	ket Size Class: 1	NA	
Rated Capacity:	5.000	LCY (heaped)				_
Bucket Fill Factor:	0.825		avg. blasted (75	5 - 90%) 0.825		=
Adjusted Capacity:	4.125	LCY		,		_
Job Condition Corrections:		S	ite Altitude (ft.):	<u>10650</u> feet		
	Truck	Loader	Source	<u>,</u>		
Altitude Adj:	0.890	1.000	(CAT HI			
Job Efficiency:	0.830	0.830	(CAT HI			
Net Correction:	0.739	0.830				
Loading Tool Cycle Time:	N	Number of Loading	Tool Passes Req	uired to Fill Truck:	4	passes
Excavators and Front Shovels	<u>::</u>			Truck.		
Machine Cycle Time vs. Selected Value w						
Track Loaders – N	Material Descri	ntion:				
Cycle Time Elements (min.):						
Load: NA	M	aneuver: NA		Dump: 0.10	00	
Wheel and Track	Loaders - Una	djusted Basic Load			0.500 min	utes
ı			1	maneuver):		
Cycle Time Factors	25 : 12/4		^	Factor (min.)	Source	_
Material:		' to 6" diameter 0.0		0.000	(Cat HB)	_
Stockpile:	Conveyor or 0.00	dozer piled 10 ft. h	igh and up	0.000	(Cat HB)	
Truck Ownership:	Common ow 0.04	nership of trucks ar	id loaders -	-0.040	(Cat HB)	
Operation:	Constant ope			-0.040	(Cat HB)	
Dump Target:	Nominal targ			0.000	(Cat HB)	_
			ne Adjustment:	-0.080	minutes	
		•	er Cycle Time:	0.420	minutes	
		Net Load T	ime per Truck:	1.360	minutes	
Truck Cycle Time:						
Truck Exchange Time:	0.50	Minutes	Adjusted	for site altitude:	0.562	Minutes
Truck Load Time:	1.360	Minutes	Adjusted	for site altitude:	1.360	Minutes
Truck Maneuver and Dump		Minutes	Adjusted	for site altitude:	1.011	Minutes

<u>Truck Travel (Haul & Return) Time:</u> penetration 4.0

Road Condition: Rutted dirt, little maintenance, no water, 1" tire

TT 1	-	
Haul	יייי	uta.
Hau	INO	uic.

Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	3500.00	2.00	4.00	6.00	1477	2.417

Haul Time: 2.417 minutes Return Route: Travel Seg# Haul Distance Grade (%) Roll. Res Total Res Velocity Time (Ft) (%)(%)(fpm) (min) 3500.00 4.00 2.00 2960 -2.00 1.217

Return Time: 1.217 minutes
Total Truck Cycle Time: 6.567 minutes

Loading Tool unit

Production 515.14 LCY/Hour Adjusted for job efficiency: 427.57 LCY/Hour Truck Unit Production

150.75 LCY/Hour Adjusted for job efficiency: 125.12 LCY/Hour

Optimal No. of Trucks: 3 Truck(s) Selected Number of Trucks: 3 Truck(s)

Adjusted hourly truck team production:
Adjusted single truck/loader team production:
Adjusted multiple truck/loader team production:

375.37

LCY/Hour
Adjusted multiple truck/loader team production:
375.37

LCY/Hour

JOB TIME AND COST

 Fleet size:
 1
 Team(s)
 Total job time:
 17.02
 Hours

 Unit cost:
 \$1.407
 /LCY
 Total job cost:
 \$8,992

BULLDOZER WORK

Task description:	Spread Caprock on TSF			
e: Revenue Mine	Permit Action:	2024 Update	Permit/Jo	b#: <u>M2012032</u>
PROJECT IDENTIFI	<u>CATION</u>			
Task #: 005D Date: 10/29/2024 User: LJW	State: Colorado County: Ouray		Abbreviation: Filename:	None M032-005d
Agency or organ	nization name: DRMS			
HOURLY EQUIPME	NT COST			
Horsepower: 40: Blade Type: Ser Attachment: 3-s Shift Basis: 1 p	mi-Universal hank ripper er day	- - - -		
Data Source: (Cl	RG)	_		
	\$253.16	<u>Utilization %</u> NA		
Ownership Cost/Hour: Operating Cost/Hour:	\$164.35	100		
Ripper own. Cost/Hour:	\$18.79	NA		
Ripper op. Cost/Hour:	\$0.00	0		
Operator Cost/Hour:	\$38.59	NA		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,37 Swell factor: 1.21 Loose volume: 5,31	70			
Source of estimated volu Source of estimated swe factor:				
HOURLY PRODUCT	<u>TION</u>			
Average push distance: Unadjusted hourly production:	100 feet 1,243.2 LCY/hr			
Materials consistency de	escription: Rock, well ripped or	blasted 0.8		
Average push gradient:	0 %			
Average site altitude:	10,650 feet			
Material weight:	3,300 lbs/LCY			
Weight description:	Decomposed rock - 75% Rock,	25% Earth		
Job Condition Correction	Factor	Source		

Operator Skill:	0.750	(AVG.)
Material consistency:	0.800	(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:	0.697	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.2777

Adjusted unit production:
Adjusted fleet

345.24 LCY/hr

production: 345.24 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$1.376/LCY

Total job time: 15.38 Hours
Total job cost: \$7,303

BULLDOZER RIPPING WORK

Task description:	Rip Compacted Areas				
Site: Revenue Mine	Permit Action:	2024 Update	e Peri	mit/Job#: <u>M2012</u> 0	032
PROJECT IDENTIFIC	CATION				
Task #: 005E	State: Colorado		Abbrevia	tion: None	
Date: 10/29/2024	County: Ouray		Filen	ame: M032-0056	9
User: LJW					
Agency or organ	ization name: DRMS				_
HOURLY EQUIPMEN	NT COST				
Basic Machine	Cat D9T - 9SU		Horsepower:	405	
Ripper Attachment	3-Shank Ripper		Shift Basis:	1 per day	_
			Data Source:	(CRG)	_
Cost Breakdown:					
	11. 6/17	Ф252.16	Utilization %		
	ship Cost/Hour: ting Cost/Hour:	\$253.16 \$164.35	NA 100		
	ship Cost/Hour:	\$104.33	NA		
	ting Cost/Hour:	\$9.48	100		
	ator Cost/Hour:	\$38.59	NA		
Total V	Unit Cost/Hour:	\$484.37			
Total F	leet Cost/Hour: \$48	4 37			
MATERIAL QUANTI	TIES Sele	cted estimating	method: Area		
·	<u></u> Scic	cted estimating	, method. Area		<u></u> -
Alternate Methods:					
Seismic: NA	Bank Volume:		BCY	NA	
Area: <u>3.00</u> ac	res Rip Depth (ft):	1.00	Volume:4,	840	BCY or CC
Source	of estimated quantity: <u>AM-2</u>				_
HOURLY PRODUCT	ON				
Seismic:	Seismic Velocity:	NA	feet/second		
	Scisinic velocity.	1421			
Area:	Assess Dississ Deaths	2.62	£4/		
	Average Ripping Depth:Average Ripping Width:	2.63 7.67	feet/pass feet/pass		
	verage Ripping Length:	50.00	feet/pass		
	Average Dozer Speed:	88.00	feet/minute		
	verage Maneuver Time:	0.25	minutes/pas	S	
I	Production per unit area:	0.646	acres/hour		
Job Condition Correction I	Sactors .				
Unadjusted l	Hourly Unit Production:	0.646	Acres/hr		
	Site Altitude:	10,500	feet		
	Altitude Adj:	1.00	(CAT HB)		
	Job Efficiency:	0.83	(1 shift/day))	
	Net Correction:	0.83	multiplier		
Ad	justed Hourly Unit Production:	0.54	Acres/hr		
	usted Hourly Fleet Production:	0.54	Acres/hr		
JOB TIME AND COS	<u>Γ</u>				
Fleet size: 1	Grader(s)	Total job tim	ne: 5.60	Hour	S
Unit cost: \$903	900 Per acre	Total job co	et· \$2.71	2	

REVEGETATION WORK

_	Revenue Mine	Permit	Action: 2024	Update		Permit/Job#:	M2012032
E	ROJECT IDENTIFICATION	ON					
I	Task #: 006A		olorado		A L.1	oreviation:]	None
	Date: 10/29/2024		uray		_		M032-006a
	User: LJW		<u></u>		_		
	Agency or organization	name: DRMS	3				
E	ERTILIZING						
	aterials						
L	Description		Units / Acre	Unit	Cost	t / Unit	Cost /Acre
					\$		\$
					Tota	al Fertilizer Materials Cost/Acre	\$0.00
А р	pplication						
L	Description						Cost /Acre
-							\$
			Total	Fertilizer A	Application	n Cost/Acre	\$0.00
<u>ΓΙ</u>	LLING						
	Description						Cost /Acre
							\$
				T	otal Tillin	g Cost/Acre	\$0.00
SE	<u>CEDING</u>						
SE	CEDING Seed Mix				Rate – PLS LBS /	Seeds per SQ.	Cost /Acre
	·				PLS		Cost /Acre

Sandberg Bluegrass - VNS

Slender Wheatgrass - Native

Milk Vetch, Cicer - Monarch

Thickspike Wheatgrass - Critana

Rye, Winter - VNS

Flax, Lewis Blue

Sheep Fescue - Covar

\$14.45

\$12.15

\$17.75

\$39.56

\$18.35

\$55.08

\$21.15

1.00

2.88

5.60

1.92

6.76

0.50

19.20

21.24

7.93

44.96

20.44

23.90

6.39

3.32

Yarrow, Western	0.12	7.30	\$5.79
Totals Seed Mix	48.94	157.91	\$293.19

Application

Description	Cost /Acre
Broadcast seeding [DMG]	\$272.56
Total Seed Application Co.	st/Acre \$272.56

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$4.13	\$4.13
Hydromulch, 1 ton/ac. rate {Materials Only}	1.00	ACRE	\$1,459.26	\$1,459.26
Total Mulch Materials Cost/Acre				\$1,463.39

Application

Description		Cost /Acre
Hydromulching (MEANS 32 92 19.13 1100)		\$1,355.20
Weed spray, hand, non-aquatic area, nox. [DMG]		\$209.61
	Total Mulch Application Cost/Acre	\$1,564.81

NURSERY STOCK PLANTING

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

JOB TIME AND COST

Cost /Acre: \$3,593.95 Cost /Acre*: \$3,593.95 No. of Acres: 4.74

Estimated Failure Rate: 30%

*Selected Replanting Work Items: <u>SEEDING,MULCHING</u>

Initial Job Cost: **\$17,035.32** Reseeding Job Cost: \$5,110.60 Total Job Cost: **\$22,146** Job Hours: **30.00**

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: In	tial Mobilization				
e: Revenue Mine	Permit	Action: 2024 U	pdate	Permit/Job	p#: _M2012032
PROJECT IDENTIFICAT	<u>ION</u>				
Task #: 007A Date: 10/29/2024 User: LJW		olorado uray	Ab	breviation: Filename:	None M032-007a
Agency or organization	n name: DRMS	S			
EQUIPMENT TRANSPOR	RT RIG COST				
			Shift Cost Data So		l per day CRG Data
Truck Tractor Des	cription: GENI	ERIC ON-HIGHW	AY TRUCK TRAC 400 HP (2ND HAL		DIESEL POWERED,
Truck Trailer Des	cription: C		NG GOOSENECK, RAILER (25T, 50T,	DROP DEC	K EQUIPMENT
Cost Breakdown:					
Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons		
Ownership Cost/Hour:	\$10.44	\$22.18	\$23.94		
Operating Cost/Hour:	\$26.48	\$54.55	\$55.65		
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52		

NON ROADABLE EQUIPMENT:

Total Unit Cost/Hour:

Helper Cost/Hour:

\$0.00

\$59.44

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 D9T - 9SU	66.13	\$271.95	\$125.64	1	\$397.59	\$125.64	\$250.00
Hydroseeder with	28.00	\$45.21	\$122.78	1	\$167.99	\$122.78	\$250.00
Tractor							
Cat 336D L 10'-6"	32.23	\$244.29	\$122.78	1	\$367.07	\$122.78	\$250.00
Stick							
Cat 725	24.54	\$119.08	\$59.44	3	\$535.56	\$178.32	\$1,000.00
CAT 966H	25.80	\$57.78	\$59.44	1	\$117.22	\$59.44	\$250.00

\$23.53

\$122.78

\$23.53

\$125.64

Subtotals: \$1,585.43 \$608.96 \$2,000.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Flatbed Truck, 6x4, 45K GVW	\$103.84	1	\$103.84	\$103.84
Light Duty Pickup, 4x4, 3/4 T.	\$13.77	2	\$27.54	\$27.54

Subtotals:	\$131.38	\$131.38
Subiolais:	9131.30	3131.30

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: MONTROSE

Total one-way travel distance: 45.00 miles

Average Travel Speed: 35.00 mph

<u>Transportation Cycle Time:</u>

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	1.29	1.29
Return Time (Hours):	1.29	1.29
Loading Time (Hours):	1.50	NA
Unloading Time (Hours):	1.50	NA
Subtotals:	5.57	2.57

JOB TIME AND COST

Total job time:	11.14	Hours
Total job cost:	\$19,493	

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: Wa	alk equipment to	Govenors Basin			
ite: Revenue Mine	Permit	t Action: 2024 U	pdate	Permit/Jol	o#: <u>M2012032</u>
PROJECT IDENTIFICAT	ION				
Task #: 007B Date: 10/29/2024 User: LJW		olorado Duray		previation: Filename:	None M032-007b
Agency or organizatio	n name: DRMS	S			
EQUIPMENT TRANSPOR	T RIG COST				
			Shift I Cost Data So		l per day CRG Data
Truck Tractor Desc	cription: GENI	ERIC ON-HIGHW	AY TRUCK TRACT 400 HP (2ND HAL		DIESEL POWERED,
Truck Trailer Desc	cription: (NG GOOSENECK, I AILER (25T, 50T, A		•
Cost Breakdown:					
Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons		
Ownership Cost/Hour:	\$10.44	\$22.18	\$23.94		
Operating Cost/Hour:	\$26.48	\$54.55	\$55.65		
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52		
Helper Cost/Hour:	\$0.00	\$23.53	\$23.53		

NON ROADABLE EQUIPMENT:

Total Unit Cost/Hour:

\$59.44

Machine Description	Weight/ Unit (TONS)	Owner ship Cost/hr/ unit	Haul Rig Cost/hr/uni t	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Cat 336D L 10'-6" Stick	32.23	\$244.29	\$122.78	1	\$367.07	\$122.78	\$250.00

\$125.64

\$122.78

Subtotals: \$367.07 \$122.78 \$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.	\$13.77	1	\$13.77	\$13.77

Subtotals: \$13.77 \$13.77

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: **REVENUE-GOV** BASIN

Total one-way travel distance: 3.50 miles

Average Travel Speed: 0.75 mph

Total Non-Roadable Mob/Demob Cost *

** two round trips with haul rig:

Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:

\$128.52

\$5,071.93

<u>Transportation Cycle Time:</u>

JOB TIME AND COST

Total job time: 18.67 Hours

Total job cost: \$5,200

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: Sec	ondary Mobiliza	ntion		
te: Revenue Mine	Permit	t Action:2024 U1	odate Permit/Jo	b#: <u>M2012032</u>
PROJECT IDENTIFICATION	<u>ION</u>			
Task #: 007C Date: 10/29/2024 User: LJW		olorado Juray	Abbreviation: Filename:	None M032-007c
Agency or organization EQUIPMENT TRANSPOR		5		
EQUITMENT TRANSFOR	TRIO COST		Shift basis:	1 per day CRG Data
Truck Tractor Desc	eription: GENI		AY TRUCK TRACTOR, 6X4, 400 HP (2ND HALF, 2006)	DIESEL POWERED,
Truck Trailer Desc	eription: C	GENERIC FOLDIN	IG GOOSENECK, DROP DEC AILER (25T, 50T, AND 100T)	•
Cost Breakdown:				
Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons	
Ownership Cost/Hour:	\$10.44	\$22.18	\$23.94	
Operating Cost/Hour:	\$26.48	\$54.55	\$55.65	
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52	
Helper Cost/Hour	\$0.00	\$23.53	\$23.53	

NON ROADABLE EQUIPMENT:

Total Unit Cost/Hour:

\$59.44

Machine Description	Weight/ Unit (TONS)	Owner ship Cost/hr/ unit	Haul Rig Cost/hr/uni t	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Hydroseeder with Tractor	28.00	\$45.21	\$122.78	1	\$167.99	\$122.78	\$250.00

\$125.64

\$122.78

Subtotals: \$167.99 \$122.78 \$250.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Flatbed Truck, 6x4, 45K GVW	\$103.84	1	\$103.84	\$103.84
Light Duty Pickup, 4x4, 3/4 T.	\$13.77	1	\$13.77	\$13.77

Subtotals:	\$117.61	\$117.61
Subjolais.	D11/.01	311/.01

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:

Total one-way travel distance:

Average Travel Speed:

MONTROSE

45.00

miles

mph

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

\$1,583.67

\$302.43

<u>Transportation Cycle Time:</u>

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	1.29	1.29
Return Time (Hours):	1.29	1.29
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	3.57	2.57

JOB TIME AND COST

Total job time:	7.14	Hours
Total job cost:	\$1,886	

$Attachment \ E-Bonding \ Calculations: \ Additional Detail \ \& \ Data$

Table 6: Labor & Equipment Cost Assumptions – Sourced RS Means

Label	Description - RS Means	unit	cost	Hrly Rate
Laborer	Field Personnel, general Purpose Laborer, Average	\$/week	\$ 1,600.00	\$ 40.00
Front-End Loader	Rent front end loader, 4WD, art. Frame, diesel, 4-4.5 CY 185 HP	\$/day	\$ 787.60	\$ 98.45
Skid Steer	Rent Loader, skid steer, wheeled 1 CY 78 HP, diesel	\$/day	\$ 511.80	\$ 63.98
Equipment Operator	Deconstruction process support equipment, as needed, daily use, backhoe, includes operator	\$/day	\$ 410.00	\$ 51.25

Table 7: Additional Detail for Reclamation Bond Line Items – Total Cost & Work Description

			Pe	ersonnel & Equipment Rec	quired		l	Jnit Cost (\$/hr)		
Structure or Item Description	Dimensions	Reclamation Description	Personnel 1	Num Personnel 2 Num	Equipment	Num	Personnel 1	Personnel 2	Equipment	Job Duration (hrs)	Total Cost
Remove Ball Mill Feed Hopper	12'x6'x6' Steel Bin	Demo Steel Bin	Laborer	1			\$ 40.00	\$ -	\$ -	3.2	\$ 129.6
Remove Ball Mill Feed Hopper	12'x6'x6' Steel Bin	Dispose of in Mill Portal	Equipment Operator	1	Front-End Loader	1	\$ 51.25	\$ -	\$ 98.45	1.1	\$ 163.4
Remove Ball Mill - Trailer Mounted	8'x24' Trailer	Haul to Certified Salvage Dump	Equipment Operator	1 Laborer 1	Front-End Loader	1	\$ 51.25	\$ 40.00	\$ 98.45	4.0	\$ 760.0
Remove Ball Mill Collection Tank	3'x3'x3' Steel Box	Dispose of in Mill Portal	Equipment Operator	1	Skid Steer	1	\$ 51.25	\$ -	\$ 63.98	0.5	\$ 55.1
Remove Conditioning Tank 01 - Table Feed	5' Diameter x 6' High Steel Structure on Steel Beams	Dispose of in Mill Portal	Equipment Operator	1 Laborer 1	Front-End Loader	1	\$ 51.25	\$ 40.00	\$ 98.45	1.3	\$ 240.7
Remove Deister Table 01 & Steel Frame	17'x7' Wood Table & 12'x6' Steel Frame	Dispose of in Mill Portal	Equipment Operator	1 Laborer 2	Front-End Loader	1	\$ 51.25	\$ 80.00	\$ 98.45	5.3	\$ 1,213.8
Remove Deister Table 01 Heavy Collection Box	1.5'x1.5'x1.5' Steel Box	Dispose of in Mill Portal	Laborer	1			\$ 40.00	\$ -	\$ -	0.2	\$ 6.9
Remove Deister Table 01 Mids Collection Box	1.5'x1.5'x1.5' Steel Box	Dispose of in Mill Portal	Laborer	1			\$ 40.00	\$ -	\$ -	0.2	\$ 6.9
Remove Deister Table 01 Lows Collection Box	2'x2'x2' Steel Box	Dispose of in Mill Portal	Laborer	1			\$ 40.00	\$ -	\$ -	0.4	\$ 16.3
Remove Deister Table 01 Tails Collection Box	2'x2'x2' Steel Box	Dispose of in Mill Portal	Laborer	1			\$ 40.00	\$ -	\$ -	0.4	\$ 16.3
Remove Deister Table 02 & Steel Frame	17'x7' Wood Table & 12'x6' Steel Frame	Dispose of in Mill Portal	Equipment Operator	1 Laborer 2	Front-End Loader	1	\$ 51.25	\$ 80.00	\$ 98.45	5.3	\$ 1,213.8
Remove Deister Table 02 Heavy Collection Box	1.5'x1.5'x1.5' Steel Box	Dispose of in Mill Portal	Laborer	1			\$ 40.00	\$ -	\$ -	0.2	\$ 6.9
Remove Deister Table 02 Mids Collection Box	1.5'x1.5'x1.5' Steel Box	Dispose of in Mill Portal	Laborer	1			\$ 40.00	\$ -	\$ -	0.2	\$ 6.9
Remove Deister Table 02 Lows Collection Box	2'x2'x2' Steel Box	Dispose of in Mill Portal	Laborer	1			\$ 40.00	\$ -	\$ -	0.4	\$ 16.3
Remove Deister Table 02 Tails Collection Box	2'x2'x2' Steel Box	Dispose of in Mill Portal	Laborer	1			\$ 40.00	\$ -	\$ -	0.4	\$ 16.3
Remove Deister Table 03 & Steel Frame	17'x7' Wood Table & 12'x6' Steel Frame	Dispose of in Mill Portal	Equipment Operator	1 Laborer 2	Front-End Loader	1	\$ 51.25	\$ 80.00	\$ 98.45	5.3	\$ 1,213.8
Remove Deister Table 03 Heavy Collection Box	1.5'x1.5'x1.5' Steel Box	Dispose of in Mill Portal	Laborer	1			\$ 40.00	\$ -	\$ -	0.2	\$ 6.9
Remove Deister Table 03 Mids Collection Box	1.5'x1.5'x1.5' Steel Box	Dispose of in Mill Portal	Laborer	1			\$ 40.00	\$ -	\$ -	0.2	\$ 6.9
Remove Deister Table 03 Lows Collection Box	2'x2'x2' Steel Box	Dispose of in Mill Portal	Laborer	1			\$ 40.00	\$ -	\$ -	0.4	\$ 16.3
Remove Deister Table 03 Tails Collection Box	2'x2'x2' Steel Box	Dispose of in Mill Portal	Laborer	1			\$ 40.00	\$ -	\$ -	0.4	\$ 16.3
Remove Conditioning Tank 02 - Concentrate Conditioning	5' Diameter x 6' High Steel Structure on Steel Beams	Dispose of in Mill Portal	Equipment Operator	1	Front-End Loader	1	\$ 51.25	\$ -	\$ 98.45	1.6	\$ 240.7
Remove Concentrate Dewatering Press	14'x3.5' Steel Structure on Steel Beams	Dispose of in Mill Portal	Equipment Operator	1 Laborer 2	Front-End Loader	1	\$ 51.25	\$ 80.00	\$ 98.45	3.5	\$ 799.7
Remove Conditioning Tank 03 - Tailings Conditioning	8' Diameter x 8' High Steel Structure on Steel Beams	Dispose of in Mill Portal	Equipment Operator	1 Laborer 1	Front-End Loader	1	\$ 51.25	\$ 40.00	\$ 98.45	4.3	\$ 820.1
Remove Tailings Dewatering Press	14'x3.5' Steel Structure on Steel Beams	Dispose of in Mill Portal	Equipment Operator	1 Laborer 2	Front-End Loader	1	\$ 51.25	\$ 80.00	\$ 98.45	3.5	\$ 799.7
Remove Process Water Tank	8' Diameter x 8' High HDPE Structure on Steel Beams	Dispose of in Mill Portal	Equipment Operator	1	Front-End Loader	1	\$ 51.25	\$ -	\$ 98.45	5.5	\$ 820.1
Remove Ball Mill Containment	33'x18' x 5 mil HDPE Containment	Dispose of in Mill Portal	Equipment Operator	1 Laborer 1	Front-End Loader	1	\$ 51.25	\$ 40.00	\$ 98.45	1.2	\$ 229.5
Remove Deister Table 01 Containment	24'x17' x 5 mil HDPE Containment	Dispose of in Mill Portal	Equipment Operator	1 Laborer 1	Front-End Loader	1	\$ 51.25	\$ 40.00	\$ 98.45	0.7	\$ 138.7
Remove Deister Table 02 Containment	24'x15' x 5 mil HDPE Containment	Dispose of in Mill Portal	Equipment Operator	1 Laborer 1	Front-End Loader	1	\$ 51.25	\$ 40.00	\$ 98.45	0.6	\$ 122.4
Remove Deister Table 03 Containment	24'x15 x 5 mil HDPE Containment	Dispose of in Mill Portal	Equipment Operator		Front-End Loader		\$ 51.25	\$ 40.00	\$ 98.45	0.6	\$ 122.4
Remove Concentrate Conditioning/Press Containment	20'x8' x 5 mil HDPE Containment	Dispose of in Mill Portal	Equipment Operator	1 Laborer 1	Front-End Loader	1	\$ 51.25	\$ 40.00	\$ 98.45	0.9	\$ 163.2
Remove Process Water & Tailings Conditioning/Press Containment	18'x40' x 5 mil HDPE Containment	Dispose of in Mill Portal	Equipment Operator	1 Laborer 2	Front-End Loader	1	\$ 51.25	\$ 80.00	\$ 98.45	4.0	\$ 918.0
								To	tal	55.9	\$ 10,304

Table 8: Additional Detail for Reclamation Bond – Labor & Equipment Hours & Cost Break-Out

	Personnel & Equipment Required					Pe	rsonnel & Eq	Pe									
Structure or Item Description	Personnel 1	Num	Personnel 2	Num	Equipment	Num	Job Duration (hrs)	Total Cost	Laborer	Equipment Operator	Front-End Loader	Skid Steer	Laborer	Equipment Operator	Front-En	Skid S	Total Cost Sum Check
Remove Ball Mill Feed Hopper	Laborer	1					3.2	\$ 129.6	3.2	-	-	-	\$ 129.6	\$ -	\$ -	\$	- TRUE
Remove Ball Mill Feed Hopper	Equipment Operator	1			Front-End Loader	1	1.1	\$ 163.4	-	1.1	1.1	-	\$ -	\$ 55.9	\$ 107.4	\$	- TRUE
Remove Ball Mill - Trailer Mounted	Equipment Operator	1	Laborer	1	Front-End Loader	1	4.0	\$ 760.0	4.0	4.0	4.0	-	\$ 160.3	\$ 205.3	\$ 394.4	\$	- TRUE
Remove Ball Mill Collection Tank	Equipment Operator	1			Skid Steer	1	0.5	\$ 55.1	-	0.5	-	0.5	\$ -	\$ 24.5	\$ -	\$ 3	0.6 TRUE
Remove Conditioning Tank 01 - Table Feed	Equipment Operator	1	Laborer	1	Front-End Loader	1	1.3	\$ 240.7	1.3	1.3	1.3	-	\$ 50.8	\$ 65.0	\$ 124.9	\$	- TRUE
Remove Deister Table 01 & Steel Frame	Equipment Operator	1	Laborer	2	Front-End Loader	1	5.3	\$ 1,213.8	10.6	5.3	5.3	-	\$ 422.7	\$ 270.8	\$ 520.2	2 \$	- TRUE
Remove Deister Table 01 Heavy Collection Box	Laborer	1					0.2	\$ 6.9	0.2	-	-	-	\$ 6.9	\$ -	\$ -	\$	- TRUE
Remove Deister Table 01 Mids Collection Box	Laborer	1					0.2	\$ 6.9	0.2	-	-	-	\$ 6.9	\$ -	\$ -	\$	- TRUE
Remove Deister Table 01 Lows Collection Box	Laborer	1					0.4	\$ 16.3	0.4		-	-	\$ 16.3	\$ -	\$ -	\$	- TRUE
Remove Deister Table 01 Tails Collection Box	Laborer	1					0.4	\$ 16.3	0.4		-	-	\$ 16.3	\$ -	\$ -	\$	- TRUE
Remove Deister Table 02 & Steel Frame	Equipment Operator	1	Laborer	2	Front-End Loader	1	5.3	\$ 1,213.8	10.6	5.3	5.3	-	\$ 422.7	\$ 270.8	\$ 520.2	2 \$	- TRUE
Remove Deister Table 02 Heavy Collection Box	Laborer	1					0.2	\$ 6.9	0.2	-	-	-	\$ 6.9	\$ -	\$ -	\$	- TRUE
Remove Deister Table 02 Mids Collection Box	Laborer	1					0.2	\$ 6.9	0.2	-	-	-	\$ 6.9	\$ -	\$ -	\$	- TRUE
Remove Deister Table 02 Lows Collection Box	Laborer	1					0.4	\$ 16.3	0.4	-	-	-	\$ 16.3	\$ -	\$ -	\$	- TRUE
Remove Deister Table 02 Tails Collection Box	Laborer	1					0.4	\$ 16.3	0.4	-	-	-	\$ 16.3	\$ -	\$ -	\$	- TRUE
Remove Deister Table 03 & Steel Frame	Equipment Operator	1	Laborer	2	Front-End Loader	1	5.3	\$ 1,213.8	10.6	5.3	5.3	-	\$ 422.7	\$ 270.8	\$ 520.2	2 \$	- TRUE
Remove Deister Table 03 Heavy Collection Box	Laborer	1					0.2	\$ 6.9	0.2	-	-	-	\$ 6.9	\$ -	\$ -	\$	- TRUE
Remove Deister Table 03 Mids Collection Box	Laborer	1					0.2	\$ 6.9	0.2	-	-	-	\$ 6.9	\$ -	\$ -	\$	- TRUE
Remove Deister Table 03 Lows Collection Box	Laborer	1					0.4	\$ 16.3	0.4	-	-	-	\$ 16.3	\$ -	\$ -	\$	- TRUE
Remove Deister Table 03 Tails Collection Box	Laborer	1					0.4	\$ 16.3	0.4	-	-	-	\$ 16.3	\$ -	\$ -	\$	- TRUE
Remove Conditioning Tank 02 - Concentrate Conditioning	Equipment Operator	1			Front-End Loader	1	1.6	\$ 240.7	-	1.6	1.6	-	\$ -	\$ 82.4	\$ 158.3	\$	- TRUE
Remove Concentrate Dewatering Press	Equipment Operator	1	Laborer	2	Front-End Loader	1	3.5	\$ 799.7	7.0	3.5	3.5	-	\$ 278.5	\$ 178.4	\$ 342.	\$	- TRUE
Remove Conditioning Tank 03 - Tailings Conditioning	Equipment Operator	1	Laborer	1	Front-End Loader	1	4.3	\$ 820.1	4.3	4.3	4.3	-	\$ 172.9	\$ 221.6	\$ 425.0	\$	- TRUE
Remove Tailings Dewatering Press	Equipment Operator	1	Laborer	2	Front-End Loader	1	3.5	\$ 799.7	7.0	3.5	3.5	-	\$ 278.5	\$ 178.4	\$ 342.	\$	- TRUE
Remove Process Water Tank	Equipment Operator	1			Front-End Loader	1	5.5	\$ 820.1	-	5.5	5.5	-	\$ -	\$ 280.8	\$ 539.3	3 \$	- TRUE
Remove Ball Mill Containment	Equipment Operator	1	Laborer	1	Front-End Loader	1	1.2	\$ 229.5	1.2	1.2	1.2	-	\$ 48.4	\$ 62.0	\$ 119.	\$	- TRUE
Remove Deister Table 01 Containment	Equipment Operator	1	Laborer	1	Front-End Loader	1	0.7	\$ 138.7	0.7	0.7	0.7	-	\$ 29.3	\$ 37.5	\$ 72.0	\$	- TRUE
Remove Deister Table 02 Containment	Equipment Operator	1	Laborer	1	Front-End Loader	1	0.6	\$ 122.4	0.6	0.6	0.6	-	\$ 25.8	\$ 33.1	\$ 63.	5 \$	- TRUE
Remove Deister Table 03 Containment	Equipment Operator	1	Laborer	1	Front-End Loader	1	0.6	\$ 122.4	0.6	0.6	0.6	-	\$ 25.8	\$ 33.1	\$ 63.	5 \$	- TRUE
Remove Concentrate Conditioning/Press Containment	Equipment Operator	1	Laborer	1	Front-End Loader	1	0.9	\$ 163.2	0.9	0.9	0.9	-	\$ 34.4	\$ 44.1	\$ 84.	\$	- TRUE
Remove Process Water & Tailings Conditioning/Press Containment			Laborer	2	Front-End Loader	1	4.0	\$ 918.0	8.0	4.0	4.0	-	\$ 319.7	\$ 204.8	\$ 393.	5 \$	- TRUE
							55.9	\$ 10,304	74	49	49	0	\$ 2,961	<u>\$ 2,519</u>	<u>\$ 4,79</u>	\$	31 TRUE