COST SUMMARY WORK

: Revenue	Mine		Permit Action: TR-4	Permit/J	lob#: M2012032
PROJECT	IDENTIFICA	TION			
Task #:	400	State:	Colorado	Abbreviation:	None
Date:	7/25/2014	County:	Ouray	Filename:	M032-400
User:	RCO			-	

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost	
401	Demolish and dispose of buildings and debris	DEMOLISH	1	120.00	\$37,571.83	
402	Dispose of mill chemicals	DEMOLISH	1	10.00	\$11,250.63	
403	Grade slopes to 3:1 max and fill sed ponds 2-3	DOZER	1	83.18	\$21,105.00	
404	Improve permanent portal closures	MINESEAL	1	30.00	\$12,657.06	
405	Purchase, deliver and dump topsoil from permitted source	NA	1	250.00	\$153,000.00	
406	Spread topsoil	DOZER	1	19.66	\$4,988.00	
407	Revegetate disturbed area	REVEGE	1	40.00	\$25,152.00	
408	Haul reclamation equipment to and from site	MOBILIZE	1	7.14	\$4,780.00	
<u>SUBTOTALS:</u> 559.98 \$270,505						

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02%	Total =	\$5,464.20
Performance bond:	1.05%	Total =	\$2,840.30
Job superintendent:	120.00 hrs	Total =	\$9,019.20
Profit:	10.00%	Total =	\$27,050.50
		TOTAL O & P =	\$44,374.20
		CONTRACT AMOUNT (direct + O & P) = $($	\$314,879.20

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): Engineering work and/or contract/bid preparation: Reclamation management and/or administration:	500.00 3.00% 5.00%	Total = Total =	500.00 \$9,446.38 \$15,743.96
CONTINGENCY:	0.00	Total =	\$0.00
	TOTAL IN	NDIRECT COST =	\$70,064.54
TOTAL BO	\$340,569.54		

DEMOLITION WORK

3	Task description:	Demolish a	nd dispose of bu	ildings and debris		
Site:	Revenue Mine		Permit Action:	TR-4	Permit/	Job#: <u>M2012032</u>
<u>PROJE</u>	CT IDENTIFICATION	1				
Task #:	401	State:	Colorado		Abbreviation:	None
Date:	7/24/2014	County:	Ouray		Filename:	M032-401
User:	RCO					
	Agency or organizat	ion name:	DRMS			

UNIT COSTS

Location adjustment: 94.70 %

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Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Remove track	400 LF	Railroad track - Ties and track	400.00	LF	\$9.01	\$3,604.00
Remove diesel tank	10,000 gal total	Haul tank to certified salvage dump - 3,000 to 5,000 gal. tank	2.00	EA	\$760.00	\$1,520.00
Remove tailings conveyor	50 x 10	Conveyor, overland, including supports - 5 ft. W x 6 ft. H housing	50.00	LF	\$17.56	\$878.00
Remove retaining wall	40 x 20	Retaining wall, steel bin type, demolition only - 14.3 ft. D x 28 ft. H	2.00	LF	\$77.52	\$155.04
Mill bldg, exterior	30 x 20 x 30	Demo. only, small or single buildings (single story) - Steel structures	9,000.00	CF	\$0.17	\$1,503.00
Tailings loadout	30 x 40 x 15	Bldg. (SN) demo./on-site disposal in excavated pit - Max. 50 ft. push	9,000.00	CF	\$0.18	\$1,656.00
Change room - permanent	35 x 15 x 10	Bldg. (SN) demo./on-site disposal in excavated pit - Max. 50 ft. push	0.00	CF	\$0.18	\$0.00
Office - Battery chargers	75 x 40 x 15	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 50 ft. push	45,000.00	CF	\$0.17	\$7,650.00
Portal cover structure - permanent	80 x 20 x 15	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 50 ft. push	0.00	CF	\$0.17	\$0.00
Roofed area structure	40 x 250	Bldg. (SN) demo./on-site disposal in excavated pit - Max. 50 ft. push	10,000.00	CF	\$0.18	\$1,840.00
Storage bldg (quonset, empty)	145 x 50 x 20	Loading and 5 mile haul, salvage allowed - Steel frame structures	1,000.00	CY	\$9.48	\$9,480.00
Misc debris (including bldg contents)	150 cy	Loading only, open areas (unconfined) - Track loader	150.00	CY	\$0.57	\$85.35
Misc debris - hauling	150 cy	Hauling only, per mile, 12-18 CY truck - 30 mph average speed (multiple trips to landfill	390.00	MI	\$0.52	\$203.19
Misc debris - disposal	150 cy	Dump fees - Building construction materials.	150.00	CY	\$74.00	\$11,100.00

Demo Worksheet C	Cont'd	Task # 4	401	Page 2 of 2		
Job Hours:	120.00	Subtotal (unadjusted):	\$39,674.58	Total Cost (adjusted for location):	\$37,571.83	

Note: task does not include removal of mill chemicals, fuel, or other solid or liquid contaminants, see task 402.

DEMOLITION WORK

Task description	on: Dispos	se of mill chemicals				
Site: Revenue Mir	Site: <u>Revenue Mine</u> Permit A			P	ermit/Job#:	M2012032
PROJECT IDENTI	FICATION					
Task #: 402 Date: 7/24/2014 User: RCO Agency		tate: <u>Colorado</u> inty: <u>Ouray</u> e: DRMS		Abbrevia Filen		ne 32-402
UNIT COSTS				Location	n adjustmer	nt: 94.70 %
Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Mill item (1)	Drum/liq. qty.	Hazardous waste removal - Bulk solids, large quantities (over 1.5 tons)	4.00	TON	\$751.32	\$3,005.28
Mill item (2)	Container/dry qty.	Hazardous waste removal - Bulk liquids, large quantities (over 2,500 gal.)	1,000.00	GAL	\$1.70	\$1,700.00
Mill item (3)	Transporation	Solid transport, large truck (max. 80 drums, 25 cy, or 18 tons) - Minimum	500.00	MI	\$3.85	\$1,925.00
Mill item (4)	Disposal	Dumpsite disposal charge - Average	20.00	TON	\$262.50	\$5,250.00

				Total Cost	
		Subtotal		(adjusted for	
Job Hours:	10.00	(unadjusted):	\$11,880.28	location):	\$11,250.63

Note: task includes disposal of the approved types and quantities or materials; if types or quantities increase, Division must approve changes and adjust bond.

BULLDOZER WORK

Task description:	Grade slopes to 3:1 max a	and fill sed ponds 2-3		
te: Revenue Mine	Permit Actio	n:	Permit/Job#:	M2012032
PROJECT IDENTIF	ICATION			
Task #: 403	State: Colorad	do	Abbreviation:	None
Date: 7/25/2014	County: Ouray		Filename:	M032-403
User: RCO				
Agency or organ	nization name: DRMS			
HOURLY EQUIPME	<u>ENT COST</u>			
Basic Machine: Cat	D9T - 9SU			
Horsepower: 405				
	ni-Universal			
Attachment: NA				
	er day			
Data Source: (CF				
Cost Breakdown:		T 14:11: 0/		
Ownership Cost/Hour:	\$70 57	Utilization %		
Operating Cost/Hour:	\$72.57 \$143.16	NA 100		
Ripper op. Cost/Hour:	\$0.00	100		
		0		
Operator Cost/Hour:	\$38.01	NA		
Total unit Cost/Hour:	\$253.73			
Total Fleet Cost/Hour:	\$253.73			
MATERIAL QUANT	ITIES			
Initial Volume: 47,00				
Swell factor: 1.000				
Loose volume: 47,00	00 LCY			
Source of estimated volum	ne: Division of Reclam	nation, Mining & Safety		
Source of estimated swell				
HOURLY PRODUCT	TION			
Average push distance:	 80 f= =t			
01	80 feet			
Unadjusted hourly produc	tion: 1,460.1 LCY/hr			
Materials consistency des	cription: Rock, well ripped	d or blasted 0.8		
Average push gradient:	-10 %			
Average site altitude:	10,650 feet			
	10,000 1001			
Material weight:	2,900 lbs/LCY		_	
Weight description:	Decomposed rock - 50% Ro	ck, 50% Earth		
Job Condition Correction	Factor	Source		
Operator S		(AVG.)		
Material consiste		(CAT HB)		
Dozing met		(GEN.)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.225	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.793	(CAT HB)
Blade type:	1.000	(PAT)

Adjusted unit production:	565.06 LCY/hr	
Adjusted fleet production:	565.06 LCY/hr	

JOB TIME AND COST

Fleet size:	1 Dozer(s)	
Unit cost:	\$0.449/LCY	

Total job time:	83.18 Hours	
Total job cost:	\$21,105	

SAFEGUARDING UNDERGROUND OPENINGS

	Task description:	Improve p	ermanent portal	closures		
Site:	Revenue Mine		Permit Action:	TR-4	Permit/.	Job#:M2012032
<u>PROJE</u>	CT IDENTIFICATION	<u>1</u>				
Task #: Date: User:	: 7/25/2014	State: County:	Colorado Ouray		Abbreviation: Filename:	None M032-404
	Agency or organizat	ion name: _	DRMS			
<u>UNIT C</u>	COSTS					

Opening Description	Dimensions	Closure Method	Quantity	Unit	Unit Cost	Total Cost
Revenue main portal - existing bat grate	12 x 12	USER PROVIDED ITEM	1.00	EA	\$0.00	\$0.00
Close mill portal - strengthen door	35 x 35	USER PROVIDED ITEM	1.00	EA	\$1,500.00	\$1,500.00
Close storage portal (1) - strengthen	20 x 15	USER PROVIDED ITEM	1.00	EA	\$1,000.00	\$1,000.00
Close storage portal (2) - strengthen	20 x 15	USER PROVIDED ITEM	1.00	EA	\$1,000.00	\$1,000.00
Close storage portal (3) - strengthen	8 x 8	USER PROVIDED ITEM	1.00	EA	\$1,000.00	\$1,000.00
Close vent shafts (3 qty)	6 x 6	Shaft closure - precast concrete panel (per opening)	3.00	EA	\$2,719.02	\$8,157.06

Job Hours: _____ 30.00

Total Cost: \$12,657.06

Note: Costs reflect placement of strong portal doors. If planned doors are not sufficient, additional backfill costs may be required.

Page 1 of 2

BULLDOZER WORK

Task description:	Spread topsoil			
e: Revenue Mine	Permit Action:	TR-4	Permit/Job#:	M2012032
PROJECT IDENTIE	TICATION			
Task #: 406 Date: 7/25/2014 User: RCO	State: Colorado County: Ouray		Abbreviation: Filename:	None M032-406
Agency or orga	anization name: DRMS			
HOURLY EQUIPMI				
	at D9T - 9SU			
Horsepower: 40				
<i>P</i> 1	mi-Universal			
Attachment: NA				
Shift Basis: 1 p	ber day	2		
	RG)			
Cost Breakdown:				
		Utilization %		
Ownership Cost/Hour:	\$72.57	NA		
Operating Cost/Hour:	\$143.16	100		
Ripper op. Cost/Hour:	\$0.00	0		
Operator Cost/Hour:	\$38.01	NA		
	\$0.50 TO			
Total unit Cost/Hour:	\$253.73			
Total Fleet Cost/Hour:	\$253.73			
MATERIAL QUANTInitial Volume:13,2Swell factor:1.12Loose volume:14,9	245			
Source of estimated volu		ion, Mining & Safety		
Source of estimated swel	ll factor: Cat Handbook			
HOURLY PRODUCT	ΓΙΟΝ			
Average push distance: Unadjusted hourly produ	65 feet ction: 1,752.8 LCY/hr			
5 (S.G.				
Materials consistency des	scription:Partly consolidated	stockpile 1.1		
Average push gradient: Average site altitude:	0 % 10,650 feet			
Material weight:	2,550 lbs/LCY		-	
Weight description:	Earth - Dry packed			
Job Condition Correction		Source		
Operator		(AVG.)		
Material consist	ency: 1.100	(CAT HB)		
Dozing me		(GEN.)		
	1.000			

Visibilit	y: 1.000	(AVG.)
Job efficiency	y: 0.830	(1 SHIFT/DAY)
Spoil pil	e: 0.700	(FND-MF)
Push gradien	t: 1.000	(CAT HB)
Altitude	e: 1.000	(CAT HB)
Material Weigh	t: 0.902	(CAT HB)
Blade type	e: 1.000	(PAT)
Net correction	n:0.4324	
unit production:	757.91 LCY/hr	
fleet production:	757.91 LCY/hr	
22.5		

JOB TIME AND COST

Adjusted Adjusted

Fleet size:	1 Dozer(s)	
Unit cost:	\$0.335/LCY	
Total job time:	19.66 Hours	
Total job cost:	\$4,988	

Note: This task includes spreading the topsoil generated onsite, as well as the purchased topsoil.

REVEGETATION WORK

	getate disturbed				n	
Revenue Mine	Permit Action: <u>TR-4</u> Permit/Jo			Permit/Job#	: <u>M2012032</u>	
PROJECT IDENTIFICATIO	<u>DN</u>					
Task #: 407	State: Colorado Abbreviation:				None	
Date: 7/25/2014	100 M 100	iray			Filename:	M032-407
User: RCO						11002 107
Agency or organization	name:DRMS					
FERTILIZING						
Aaterials						
		Units /				
Description		Acre	Unit	Cost	/ Unit	Cost /Acre
				\$		¢
				•		\$
				Tota	l Fertilizer	
					Materials	
			8		Cost/Acre	\$0.00
pplication						
	and the					~
Description						Cost /Acre
						\$
		Total	Fertilizer A	pplication	Cost/Acre	\$0.00
TILLING						
Description						Cost /Acre
Weed control spraying (MEANS	31 31 16.13 310)0)		,		\$145.20
			Tot	tal Tilling	Cost/Acre	£145 20
			101		Coontere	\$145.20
FEDING						
EEDING						
			F	Rate –		
Seed Mix				PLS	Seeds	Cost /Acre
			I	LBS /	per SQ.	
				Acre	Γ́Γ	
Alpine Fescue				.80	53.72	\$29.79
Nodding Brome	BC 11 1			.00	9.96	\$33.72
Lupine, Silver				.80	0.47	\$54.76
Slender Wheatgrass - Native				.40	16.06	\$9.90
				.50	10.33	\$18.39
Muttongrass						\$10.39
Muttongrass Needlegrass, Letterman's			3	.30	14.39	\$330.40
Muttongrass Needlegrass, Letterman's Sagebrush, Louisiana or Prairie			3	.30	14.39 20.16	\$330.40 \$27.48
Muttongrass Needlegrass, Letterman's			3 0 0	.30	14.39	\$330.40

\$527.32

145.02

Totals Seed Mix 15.60

Application

Description		Cost /Acre
Drill seeding (DRMS Cost Data)		\$88.20
	Total Seed Application Cost/Acre	\$88.20

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	1.00	TON	\$265.00	\$265.00
Total Mulch Materials Cost/Acre				\$265.00

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$65.89
Power mulcher (MEANS 32 91 13.16 0250)		\$86.68
	Total Mulch Application Cost/Acre	\$152.57

NURSERY STOCK PLANTING

Job Hours: 40.00

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

JOB TIME AND COST

	No. of Acres:	16.42	Cost /Acre:	\$1,178.29	
Estimated Failure Rate:		30%	Cost /Acre*:	\$1,178.29	
*Selected Replanting Work Items:		TILLING, SEEDIN	G,MULCHING		
Initial Job Cost:	\$19,347.52				
Reseeding Job Cost:	\$5,804.26				
Total Job Cost:	\$25,152				

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: Revenue Mine		ul reclamation eq	Action: <u>TR-4</u>	I II OIII SIL		rmit/Job#: M20	12032
PROJECT IDE	NTIFICAT	ION					
Task #: 408	59.8		alarada		4 h h m	eviation: None	
Task #:408State:ColoradoDate:7/25/2014County:Ouray					eviation: <u>None</u> ilename: M032		
User: RCO		countyO	ulay		F.		2-408
Agency o	r organizatio	n name:DRMS					
EQUIPMENT T	RANSPOR	<u>RT RIG COST</u>					
					Shift ba	sis: 1 per da	N/
					Cost Data Sour		
Truck	Tractor Desc	rintion: CEN	EDIC ON LUCI				
TTUCK	Tractor Dest	ription: GEN	ERIC ON-HIGF		P (2ND HALF, 1	R, 6X4, DIESEL	POWERED,
Truck	Trailer Desc	ription: GENE	FRIC FOI DING	400 H	F (ZND HALF,	ECK EQUIPME	NTT TO ALL DO
TIUCK	Tranci Dese	Tiption. OENI	CAIC FOLDING		Γ , 50T, AND 10		NI IKAILEK
				(20)	r, 501, 7110 10	01)	
Cost Breakdown:							
Available Rig Cap	acities	0-25 Tons	26-50 Tons	51	+ Tons		
Ownership (\$16.63	\$18.37		\$22.33		
Operating (\$44.38	\$46.13		550.07		
L V	Cost/Hour:	\$27.66	\$27.66		\$27.66		
	Cost/Hour:	\$0.00	\$25.39		\$25.39		
Total Unit (\$88.67	\$117.55	\$125.45			
NON ROADABI	LE EQUIP	MENT:					
Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return Trip	DOT Permi
Description	Unit	Cost/hr/ unit	Cost/hr/unit	Size	Cost/hr/	Cost/hr/ fleet	Cost/ fleet
-	(TONS)				fleet		
Cat D9T - 9SU	60.01	\$69.88	\$125.45	1	\$195.33	\$125.45	\$250.00
Drill/Broadcast	25.00	\$41.05	\$88.67	1	\$129.72	\$88.67	\$250.00
Seeder with Tractor							
Cat 336D L 10'-6" Stick	32.23	\$42.57	\$117.55	1	\$160.12	\$117.55	\$250.00
SHUK							
			S	Subtotals:	\$485.17	\$331.67	\$750.00
ROADABLE EQ	UIPMENT	<u>.</u>					
					11-15	Detre D.	
Machine Descriptio	п	Total Cost/hr/ u	unit Fleet Size	e	Haul Trip	Return Trip Cost/hr/ fleet	
Damer Mulahan (D-'-	1(00)	\$05.5C			Cost/hr/ fleet		
Power Mulcher (Reind	CO IVI90)	\$25.56	1	1	\$25.56	\$25.56	

\$25.56	1	\$25.56	\$25.56
\$55.61	1	\$55.61	\$55.61
	Subtotals:	\$81.17	\$81.17

Flatbed 45 GVW 6x4

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
Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig:	\$4,570.79	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$208.72	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable 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: \$4,780