COST SUMMARY WORK

Т	ask description:	2020-12-07 Update SO-01					
Site:	Hopemore Shaft	2020-12-07 Upo SO-01	date	Permit/Job#:M2013026			
<u>P</u> I	ROJECT IDENTIFIC	CATION					
	Task #: 000 Date: 12/7/2020 User: DMC	State: Colorado County: Lake				None M026-000	
	Agency or organi	zation name: DRMS					
<u>T</u> /	ASK LIST (DIRECT	<u>COSTS)</u>					
Task	Description		Form Used	Fleet Size	Task Hours	Cost	
01a	DescriptionDemolition and disponsion	sal of structures	DEMOLISH	1 1	80.00	\$17,380	
01a 02a	Seal Hopemore and H		MINESEAL	1	20.00	\$5,649	
03a	Reclamation grading		DOZER	1	15.48	\$2,659	
04a	Revegetate disturbed	area	REVEGE	1	2.00	\$3,783	
05a	Mobilize reclamation	crew and equipment	MOBILIZE	1	2.80	\$2,445	
	DIRECT COSTS		<u>SUBTO</u>				
	VERHEAD AND PROF	<u>T:</u>					
	Liability insura	nce: 2.02			Total = \$64	15	
	Performance bo				Total = 33		
	Job superintend					183	
	Pro	ofit: 10.00		TOTA		192	
		CONT	RACT AMOUNT			<u>354</u>),270	
		CONTR	CACT AMOUNT	(direct +	$(0 \propto P) = 540$),270	
LE	GAL - ENGINEERING	- PROJECT MANAGEMENT:					
	Engineering work an	ocessing (legal/related costs): d/or contract/bid preparation: gement and/or administration:	\$0 0.00 5.00	-	$Total = \underbrace{\$0}_{Total} = \underbrace{\$0}_{\$2},$	014	
		CONTINGENCY:	0.00		Total = $\$0$		
			TOTAL IN	DIRECT	$\Gamma \text{ COST} = $ $\$10$),368	

TOTAL BOND AMOUNT (direct + indirect) = <u>\$42,284</u>

DEMOLITION WORK

Tas	sk description:	Demolition a	and disposal of	structures		
Site: H	opemore Shaft		Permit Action:	2020-12-07 Update SO-01	Permit	/Job#: <u>M2013026</u>
PROJECT	IDENTIFICATION	<u>1</u>				
Task #:	01A	State:	Colorado		Abbreviation:	None
Date:	12/7/2020	County:	Lake		Filename:	M2013026 SO-01 01a
User:	DMC					

Agency or organization name: DRMS

UNIT COSTS

Location adjustment: 89.00 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Hopemore shaft building- superstructure	18' x 24' x 12'	Bldg. (MN) demo./off- site disposal in approved landfill - Max. 5 mile haul	5,184.00	CF	\$0.32	\$1,658.88
Hopemore shaft building-concrete floor	18' x 24'	Floor, concrete, demolition only, average reinforcing - 12 in. thick	432.00	SF	\$1.61	\$695.52
Hopemore hoist building and shop	24' x 36' x 12'	Bldg. (SN) demo./off- site disposal in approved landfill - Max. 5 mile haul	10,368.00	CF	\$0.30	\$3,100.03
Hopemore hoist building and shop- concrete floor	24' x 36'	Floor, concrete, demolition only, average reinforcing - 12 in. thick	864.00	SF	\$1.61	\$1,391.04
Compressor room- superstructure	32' x 10' x 12'	Bldg. (SN) demo./off- site disposal in approved landfill - Max. 5 mile haul	3,840.00	CF	\$0.30	\$1,148.16
Compressor room- concrete floor	32' x 10'	Floor, concrete, demolition only, average reinforcing - 12 in. thick	320.00	SF	\$1.61	\$515.20
Water tank building	10' x 10' x 10'	Bldg. (SN) demo./off- site disposal in approved landfill - Max. 5 mile haul	1,000.00	CF	\$0.30	\$299.00
Generator shed	9' x 12' x 12'	Bldg. (SN) demo./off- site disposal in approved landfill - Max. 5 mile haul	1,296.00	CF	\$0.30	\$387.50
Loading/Hauling Foundations	60 c.y.	Loading and 5 mile haul, salvage allowed - Concrete frame structures	60.00	СҮ	\$12.55	\$753.00
Dump Fees	863 c.y.	Dump fees - Building construction materials.	863.00	СҮ	\$11.10	\$9,579.30

				Total Cost	
		Subtotal		(adjusted for	
Job Hours:	80.00	(unadjusted):	\$19,527.63	location):	\$17,379.59

SAFEGUARDING UNDERGROUND OPENINGS

Tas	sk description:	Seal Hopemore and	Hunter	r shafts		
Site: H	opemore Shaft	Permit A	ction:	2020-12-07 Update SO-01		/Job#: <u>M2013026</u>
PROJECT	IDENTIFICATION	<u>1</u>				
Task #:	02A	State: Colora	ıdo		Abbreviation:	None
Date:	12/7/2020	County: Lake			Filename:	M2013026 SO-01 02a
User:	DMC					
	Agency or organiza	tion name: DRMS				

UNIT COSTS

Opening Description	Dimensions	Closure Method	Quantity	Unit	Unit Cost	Total Cost
Shafts	9' x 4.5', 9.5' x 5'	Shaft closure - polyurethane foam plug (per cu. yd.)	26.90	СҮ	\$210.00	\$5,649.00

 Job Hours:
 20.00
 Total Cost:
 \$5,649.00

BULLDOZER WORK

e: Hopemore Shaft	Permit Action:	2020-12-07 Update SO-01	Permit/Jo	o#: <u>M2013026</u>
PROJECT IDENTIFIC	<u>CATION</u>			
Task #: 03A Date: 12/7/2020 User: DMC	State: Colorado County: Lake		Abbreviation: Filename:	None M2013026 SO-01
Agency or organ	ization name: DRMS			
HOURLY EQUIPMEN	NT COST			
Basic Machine: Cat	D6T LGP			
Horsepower: 200				
Blade Type: Stra	aight			
Attachment: NA				
Shift Basis: 1 pe	er day			
Data Source: (CR				
Cost Breakdown:				
COST DICAKUOWII.		Utilization %		
Ownership Cost/Hour:	\$71.95	<u>Ounzauon %</u> NA		
Operating Cost/Hour:	\$71.95	<u> </u>		
1 0		100		
Ripper own. Cost/Hour:	\$0.00	NA		
	\$0.00	0		
Ripper op. Cost/Hour:		0		
Operator Cost/Hour:	\$41.30	NA		
Total Fleet Cost/Hour:				
MATERIAL QUANTI Initial Volume: <u>1,000</u> Swell factor: <u>1.250</u>	0			
MATERIAL QUANTI Initial Volume: <u>1,000</u> Swell factor: <u>1.250</u>	0			
MATERIAL QUANTI Initial Volume: <u>1,000</u> Swell factor: <u>1.250</u>	0 0 0 LCY me:Division of Reclamati	on, Mining & Safety		
MATERIAL QUANTI Initial Volume: 1,000 Swell factor: 1.250 Loose volume: 1,250 Source of estimated volu Source of estimated swel	0 0 0 LCY me: Division of Reclamati 1 Cat Handbook	on, Mining & Safety		
MATERIAL QUANTI Initial Volume: 1,000 Swell factor: 1.250 Loose volume: 1,250 Source of estimated volu Source of estimated swel factor:	0 0 0 LCY me: Division of Reclamati 1 Cat Handbook	on, Mining & Safety		
MATERIAL QUANTI Initial Volume: 1,000 Swell factor: 1.250 Loose volume: 1,250 Source of estimated volu Source of estimated swel factor: HOURLY PRODUCTI Average push distance: Unadjusted hourly production: Note:	0 0 0 LCY me: Division of Reclamati 1 Cat Handbook ION 150 feet			
MATERIAL QUANTI Initial Volume: 1,000 Swell factor: 1.250 Loose volume: 1,250 Source of estimated volu 3000000000000000000000000000000000000	0 0 0 LCY me: Division of Reclamati 1 Cat Handbook ION 150 feet 212.5 LCY/hr			
MATERIAL QUANTI Initial Volume: 1,000 Swell factor: 1.250 Loose volume: 1,250 Source of estimated volu 3000000000000000000000000000000000000	0 0 0 0 LCY me: Division of Reclamati Cat Handbook ION 150 feet 212.5 LCY/hr scription: Compacted fill or en			
MATERIAL QUANTI Initial Volume: 1,000 Swell factor: 1.250 Loose volume: 1,250 Source of estimated volu 3000000000000000000000000000000000000	0 0 0 0 LCY me:			
MATERIAL QUANTI Initial Volume: 1,000 Swell factor: 1.250 Loose volume: 1,250 Source of estimated volu Source of estimated swelfactor: MOURLY PRODUCTI Average push distance: Unadjusted hourly production: Materials consistency des Average push gradient: Average site altitude:	0 0 0 LCY me:			

Operator Skill:	0.750	(AVG.)
Material consistency:	0.900	(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:	0.940	(CAT HB)
Material Weight:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3800

Adjusted unit production:	80.75 LCY/hr
Adjusted fleet production:	80.75 LCY/hr

JOB TIME AND COST

Fleet size:	1 Dozer(s)
Unit cost:	\$2.127/LCY

Total job time:	15.48 Hours
Total job cost:	\$2,659

REVEGETATION WORK

Task description:		Revegetate distu	rbed area			
te: Hopemon	re Shaft	Pe	rmit Action:	2020-12-07 Update SO-01	Permit/Jo	b#: <u>M2013026</u>
PROJECT	IDENTIFIC	CATION				
Task #:	04A	State:	Colorado		Abbreviation:	None
Date:	12/7/2020	County:	Lake		Filename:	M2013026 SO-01
User:	DMC	·				

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
8-24-24, 10-15-15, 10-20-20	200.00	pound	\$0.32	\$63.00
			Total Fertilizer Materials Cost/Acre	\$63.00

Application

Description		Cost /Acre
Tractor towed spreader (MEANS 32 01 90.13 0120)		\$37.03
	Total Fertilizer Application Cost/Acre	\$37.03

TILLING

Description	Cost /Acre
Chisel plowing {DMG}	\$94.63
Weed control spraying (MEANS 31 31 16.13 3100)	\$193.60
Total Tilling Cost/Acre	\$288.23

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Arizona Fescue - Redondo	4.50	51.65	\$41.63
Mountain Brome - Bromar	3.80	6.11	\$14.44
Western Wheatgrass - Native	6.40	16.16	\$38.40
Prairie Junegrass	4.00	212.62	\$104.00
Totals Seed Mix	18.70	286.54	\$198.47

Application

Description		Cost /Acre
Drill Seeding (DRMS Survey Cost)		\$232.00
	Total Seed Application Cost/Acre	\$232.00

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$301.00	\$602.00
Total Mulch Materials Cost/Acre				\$602.00

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$70.17
Power mulcher (MEANS 32 91 13.16 0350)		\$101.93
	Total Mulch Application Cost/Acre	\$172.10

NURSERY STOCK PLANTING

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

JOB TIME AND COST

	No. of Acres:	1.9	Cost /Acres	\$1,592.83	
Estimate	ed Failure Rate:	25%	Cost /Acre*:	\$1,592.83	
*Selected Replanti	ng Work Items:	FERTILIZING, TI	LLING, SEEDING,		
	-	MULCHING			
Initial Job Cost:	\$3,026.38				
Reseeding Job Cost:	\$756.59				
Total Job Cost:	\$3,783				
Job Hours:	2.00				

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description	: <u>Mo</u>	bilize reclamat	ion crew a	nd equi	pment				
e: <u>Hopemore Sl</u>	naft	Perm	it Action:	2020-1 SO-01	2-07 Upd		Permit/Jol	o#: <u>M</u>	2013026
PROJECT IDE	ENTIFICATI	<u>ON</u>							
	/7/2020		Colorado Lake				eviation: lename:	None M201 05a	3026 SO-01
	MC								
Agency	or organization	n name: DRM	1S						
EQUIPMENT	TRANSPOR	T RIG COST							
						Shift ba		l per da	
					C	Cost Data Sour	rce: (CRG Da	ita
True	k Tractor Desc	ription GEN	JERIC ON-	нісни		ICK TRACTO	DR 6X4	DIESEI	L POWERED,
IIuc	K Hactor Dese	Inpuoli. OLI		110110		(2ND HALF,		DILGLI	LIOWLIKLD,
Tru	ck Trailer Desc	ription:	GENERIC			SENECK, DF	/	K EOU	IDMENT
110	ck Hallel Desc	npuon.	ULIVERIC			(25T, 50T, AN		K LQU	
				1	MILLIN	(231, 301, AI	ND 1001)		
Cost Breakdown:									
Available Rig (Capacities	0-25 Tons	26-50	Tons	51+	Tons			
	p Cost/Hour:	\$17.20		9.63		8.69			
	g Cost/Hour:	\$26.56	\$47			5.69			
	or Cost/Hour:	\$23.63	\$23			3.63			
	er Cost/Hour:	\$0.00		3.53		3.53			
	it Cost/Hour:	\$67.39	\$12			41.54			
			+ - -		, , , , ,				
NON ROADAI	BLE EQUIPN	MENT:							
Machine	Weight/	Owner ship	Haul F	Rig	Fleet	Haul Trip	Return	Trip	DOT Permit
Description	Unit	Cost/hr/ uni			Size	Cost/hr/	Cost/hr		Cost/ fleet
Description	(TONS)		t	.,	SILC	fleet			
Cat D6T LGP	26.87	\$71.95	\$123.8	1	1	\$195.76	\$123.81		\$250.00
Drill/Broadcast	25.00	\$6.72	\$67.39		1	\$74.11	\$67.39		\$250.00
Seeder with		+ =	+				+ /		. == == = =

Subtotals: \$348.45 \$258.59 \$750.00

\$67.39

\$250.00

\$78.58

ROADABLE EQUIPMENT:

6.00

\$11.19

Tractor Power Mulcher

(Bowie LD-90)

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.	\$13.23	1	\$13.23	\$13.23
		Subtotals:	\$13.23	\$13.23

\$67.39

1

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	LEADVILLE	
Total one-way travel distance:	5.00	miles
Average Travel Speed:	25.00	mph
Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig:	\$2,439.72	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$5.29	

Transportation Cycle Time:

Non- Roadable Equipment	Roadable Equipment
0.20	0.20
0.20	0.20
0.50	NA
0.50	NA
1.40	0.40
	Roadable Equipment 0.20 0.20 0.50 0.50

JOB TIME AND COST

Total job time: **2.80** Hours

Total job cost: \$2,445