COST SUMMARY WORK

-	Pensaukee Lode Permit A	Action:	2018 New NOI		Permit/Job	#: <u>P2018015</u>
PR	OJECT IDENTIFICATION					
	Task #: 000 State: Col	orado		A	Abbreviation:	None
	Date: 10/25/2018 County: Par				Filename:	P015-000
	User: ERR				_	
	Agency or organization name:DRMS					
<u>TA</u>	ASK LIST (DIRECT COSTS)					
			Form	Fleet	Task	
sk	Description		Used	Size	Hours	Cost
	Plug and Abandon Boreholes		BOREHOLE	1	15.00	\$1,973.19
2	Regrade Road/Drill Pads		DOZER	1	19.79	\$2,870.00
3	Revegetate Test Pit/Trench		REVEGE	1	1.00	\$690.00
	Mob/Demob		MOBILIZE	1	6.78	\$2,590.00
	DIRECT COSTS ERHEAD AND PROFIT:					
<u> </u>						
					Tr. 4.1 01.	C4 00
	Liability insurance: 2.02					54.08
	Performance bond: 1.05				Total =	5.29
	Performance bond: 1.05 Job superintendent: 0.00				Total =	5.29 00
	Performance bond: 1.05			TOTAL	Total =	5.29 .00 12.30
	Performance bond: 1.05 Job superintendent: 0.00 Profit: 10.00	CONTR	ACT AMOUNT		$Total = \begin{array}{c} & \$83 \\ Total = & \$03 \\ Total = & \$83 \\ CO \& P = & \$13 \\ \end{array}$	5.29 00
LE	Performance bond: 1.05 Job superintendent: 0.00 Profit: 10.00		ACT AMOUNT		$Total = \begin{array}{c} & \$83 \\ Total = & \$03 \\ Total = & \$83 \\ CO \& P = & \$13 \\ \end{array}$	5.29 00 12.30 061.67
LE	Performance bond: 1.05 Job superintendent: 0.00 Profit: 10.00	MENT:	ACT AMOUNT 0.00		$Total = \begin{array}{c} & \$83 \\ Total = & \$03 \\ Total = & \$83 \\ CO \& P = & \$13 \\ \end{array}$	5.29 00 12.30 061.67 184.67
LE	Performance bond: 1.05 Job superintendent: 0.00 Profit: 10.00 GAL - ENGINEERING - PROJECT MANAGE Financial warranty processing (legal/related of Engineering work and/or contract/bid prepara	MENT: osts): tion:			Total = \$8. Total = \$0. Total = \$8. O & P = \$1. O & P) = \$9.	5.29 00 12.30 061.67 184.67
LE	Performance bond: 1.05 Job superintendent: 0.00 Profit: 10.00 GAL - ENGINEERING - PROJECT MANAGER Financial warranty processing (legal/related co	MENT: osts): tion:	0.00		Total = \$8.7 Total = \$9.7 Total	5.29 00 12.30 061.67 184.67
LE	Performance bond: 1.05 Job superintendent: 0.00 Profit: 10.00 GAL - ENGINEERING - PROJECT MANAGE Financial warranty processing (legal/related of Engineering work and/or contract/bid prepara	MENT: osts): tion: tion:	0.00		Total = \$8.7 Total = \$9.7 Total	5.29 00 12.30 061.67 .184.67 00 00 59.23
LE	Performance bond: 1.05 Job superintendent: 0.00 Profit: 10.00 GAL - ENGINEERING - PROJECT MANAGE! Financial warranty processing (legal/related contract/bid prepara Reclamation management and/or administrations)	MENT: osts): tion: tion:	0.00 0.00 5.00	(direct +	Total = \$8. Total = \$0. Total = \$8. O & P = \$1. O & P) = \$9. Total = \$0.0 Total = \$0.0 Total = \$0.0 Total = \$0.0	5.29 00 12.30 061.67 .184.67 00 00 59.23
LE	Performance bond: 1.05 Job superintendent: 0.00 Profit: 10.00 GAL - ENGINEERING - PROJECT MANAGED Financial warranty processing (legal/related continuous Engineering work and/or contract/bid prepara Reclamation management and/or administration CONTINGEN	MENT: osts): ution: tion: NCY:	0.00 0.00 5.00	(direct +	Total = \$8.7 Total = \$8.7 Total = \$8.7 Total = \$8.7 Total = \$9.7 Total	5.29 00 12.30 061.67 .184.67 00 00 59.23

BOREHOLE SEALING WORK

Tas	sk description:	Plug and Abandon Boreho	oles		
Site: Po	ensaukee Lode	Permit Action:	2018 New NOI	Permit	/Job#: <u>P2018015</u>
<u>ROJECT</u>	DENTIFICATION	<u>ON</u>			
Task #:	001	State: Colorado		Abbreviation:	None
Date:	10/25/2018	County: Park		Filename:	P015-001
User:	ERR				

UNIT COSTS

Borehole	Sealing/Item Method						
Description		Diameter	Length	Quantity	Unit	Unit Cost	Total Cost
Plug and Abandon (12) 2"x120' Boreholes	Portland cement grout (Bag, material cost only94 lb. bag)	2	1440	7.00	bag	\$13.80	\$96.60
Drill Rig with Mud Pump	Truck Mounted - 3.0in 500 ft capy.	NA	NA	15.00	EA	\$74.98	\$1,124.70
Water Truck	Light Duty Pickup, 4x4, 1 T. Crew	NA	NA	15.00	EA	\$47.19	\$707.85
Borehole Markers	Borehole location/identification marker (EA, material cost only)	NA	NA	12.00	EA	\$3.67	\$44.04

Job Hours: 15.00 Total Cost: \$1,973.00

BULLDOZER WORK

PROJECT IDENTIFICATION Task #:002	Task description:	Regrade Road/Drill Pads				
Task #:	Pensaukee Lode	Permit Action:	2018 New NOI	Permit/Job#: P2018015		
Date: 10/25/2018 County: Park Filename: P015-00	PROJECT IDENTIF	<u>TCATION</u>				
Date: 10/25/2018 County: Park Filename: P015-00	Task #: 002	State: Colorado		Abbreviation:	None	
Agency or organization name: DRMS HOURLY EQUIPMENT COST Basic Machine: Cat D6T XL Horsepower: 185 Blade Type: Semi-Universal Attachment: 3-shank ripper Shift Basis: 1 per day Data Source: (CRG) Cost Breakdown: Ownership Cost/Hour: \$52.66 NA Operating Cost/Hour: \$46.34 100 Ripper own. Cost/Hour: \$3.84 NA Cost/Hour: \$3.84 NA Ripper op. Cost/Hour: \$0.63 25 Operator Cost/Hour: \$44.52 NA Total unit Cost/Hour: \$145.00 Total Fleet Cost/Hour: \$145.00 MATERIAL QUANTITIES Initial Volume: 1,606 Swell factor: 1,430 Loose volume: 2,297 LCY Source of estimated volume: Cat Handbook factor: HOURLY PRODUCTION Average push distance: 50 feet Unadjusted hourly roduction: Materials consistency description: Rock, well ripped or blasted 0.8 Average push 0 % gradient: Average site altitude: 12,500 feet Material weight: 3,300 lbs/LCY					P015-002	
Basic Machine: Cat D6T XL Horsepower: Bla5 Blade Type: Semi-Universal Attachment: 3-shank ripper Shift Basis: Data Source: CRG Cost Breakdown: Ownership Cost/Hour: St2.66 NA Operating Cost/Hour: Nipper own. Cost/Hour: St3.84 NA Coperator Cost/Hour: St46.34 NA Operator Cost/Hour: St46.34 NA Coperator Cost/Hour: St46.34	User: ERR					
Basic Machine: Cat D6T XL Horsepower: 185 Blade Type: Semi-Universal Attachment: 3-shank ripper Shift Basis: Data Source: (CRG) Ownership Cost/Hour: Operating Cost/Hour: Ripper own. Cost/Hour: S146.34 NA Operating Cost/Hour: S46.34 NA Operating Cost/Hour: S46.34 NA Operating Cost/Hour: S46.34 NA Cost/Hour: S145.00 Total unit Cost/Hour: S145.00 MATERIAL QUANTITIES Initial Volume: Li-606 Swell factor: Source of estimated wolume: Source of estimated swell factor: MOURLY PRODUCTION Average push distance: Unadjusted hourly production: Materials consistency description: Materials consistency description: Rock, well ripped or blasted 0.8 Average gush gradient: Average site altitude: 12,500 feet Material weight: 3,300 lbs/LCY	Agency or orga	anization name: DRMS				
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Blade Type: Semi-Universal 3-shank ripper 3-shank rippe			<u> </u>			
Attachment: Shift Basis:						
Shift Basis: Data Source: CORG CORG CORG CORG CORG CORG CORG CORG	•••					
Data Source: CCRG Cost Breakdown:						
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Total unit Cost/Hour: S145.00						
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Swell factor: 1.430 Loose volume: 2,297 LCY Source of estimated volume: Source of estimated swell factor: HOURLY PRODUCTION Average push distance: Unadjusted hourly production: Materials consistency description: Rock, well ripped or blasted 0.8 Average push 0 % gradient: Average site altitude: 12,500 feet Material weight: 3,300 lbs/LCY	Initial Volume: 1.6	506				
Loose volume: 2,297 LCY Source of estimated volume: Source of estimated swell factor: HOURLY PRODUCTION Average push distance: 50 feet						
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Average push distance: Unadjusted hourly production: Materials consistency description: Average push 0 % gradient: Average site altitude: Average site altitude: Material weight: 3,300 lbs/LCY			5) 13 X13 , X2			
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Unadjusted hourly production: Materials consistency description: Rock, well ripped or blasted 0.8 Average push 0 % gradient: Average site altitude: 12,500 feet Material weight: 3,300 lbs/LCY						
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Materials consistency description: Rock, well ripped or blasted 0.8 Average push 0 % gradient: Average site altitude: 12,500 feet Material weight: 3,300 lbs/LCY		444.6 LCY/hr				
Average push 0 % gradient: Average site altitude: 12,500 feet Material weight: 3,300 lbs/LCY	production:					
Average push 0 % gradient: Average site altitude: 12,500 feet Material weight: 3,300 lbs/LCY	Materials consistency	description: Rock well ripped	or blasted 0.8			
gradient: Average site altitude: 12,500 feet Material weight: 3,300 lbs/LCY	materials consistency (resemption. Rock, well hipped	or orasica 0.0			
gradient: Average site altitude: 12,500 feet Material weight: 3,300 lbs/LCY	Average push	0 %				
Average site altitude: 12,500 feet Material weight: 3,300 lbs/LCY						
		12,500 feet				
Weight description: Decomposed rock - 75% Rock, 25% Earth	Material weight:	3,300 lbs/LCY				
	Weight description:	Decomposed rock - 75% Roc	k. 25% Earth			
· · · · · · · · · · · · · · · · · · ·	-					
<u>Ob Condition Correction Factor</u> <u>Source</u> 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:	0.940	(CAT HB)
Material Weight:	0.697	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.2610

Adjusted unit production:

Adjusted fleet production:

116.04 LCY/hr

116.04 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$1.250/LCY

Total job time: 19.79 Hours
Total job cost: \$2,870

REVEGETATION WORK

Task description: Revegetate Test Pit/Trench						
Pensaukee Lode	Permit Action: _2018 New NOI Permit/Job#:					P2018015
ROJECT IDENTIFICA	ATION					
Task #:003		olorado		Ab		None
Date: 10/25/2018	County: Pa	ark			Filename:	P015-003
User: ERR	 ation name: DRMS	!				
Agency of organiza	mon name. Drivis	•				
<u>ERTILIZING</u>						
<u> </u>		Units /				
Description		Acre	Unit	Cos	t / Unit	Cost /Acre
				\$		\$
				Tot	al Fertilizer	
					Materials Cost/Acre	\$0.00
Description						Cost /Acre
						\$
		Total	Fertilizer A	pplicatio	n Cost/Acre	\$0.00
<u>ILLING</u>						
Description						Cost /Acre
Subsoiling, light {(DMG)	}					\$175.31
			То	tal Tillin	g Cost/Acre	\$175.31
EEDING						
G 136				Rate –	Coods	Cost /Acre
Seed Mix				PLS LBS /	Seeds per SQ.	Cost /Acre
				Acre	FT	
Arizona Fescue - Redond	0		1	1.47	16.87	\$17.82
Blue Grama - Native			1	1.46	23.83	\$21.68

Indian Ricegrass - Native

Mountain Brome - Bromar

Sandberg Bluegrass - VNS

Slender Wheatgrass - Native

Western Wheatgrass - Arriba

\$5.18

\$13.31

\$11.80

\$4.12

\$35.77

\$109.67

0.74

2.99

1.43

1.43

4.32

13.84

Totals Seed Mix

2.40

4.80

5.22

30.37

10.91

94.40

Application

Description		Cost /Acre
Broadcast seeding [DMG]		\$267.22
	Total Seed Application Cost/Acre	\$267.22

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description		Cost /Acre
		\$
To	tal Mulch Application Cost/Acre	\$0.00

NURSERY STOCK PLANTING

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

JOB TIME AND COST

No. of Acres:	1	Cost /Acre:	\$552.20
Estimated Failure Rate:	25%	Cost /Acre*:	\$552.20
*Selected Replanting Work Items:	TILLING,SEEDING		

Initial Job Cost: \$552.20
Reseeding Job Cost: \$138.05
Total Job Cost: \$690
1.00

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: M	lob/Demob			
ite: Pensaukee Lode	Permi	t Action: 2018 N	ew NOI Permit/Jo	ob#: P2018015
PROJECT IDENTIFICAT	<u> TION</u>			
Task #: 004 Date: 10/25/2018 User: ERR		Colorado Park	Abbreviation: Filename:	None P015-004
Agency or organizati	on name: DRM	S		
EQUIPMENT TRANSPO	RT RIG COST			
			Shift basis: Cost Data Source:	1 per day CRG Data
Truck Tractor De	scription: GEN	ERIC ON-HIGHW	AY TRUCK TRACTOR, 6X4, 400 HP (2ND HALF, 2006)	DIESEL POWERED,
Truck Trailer De	scription:		NG GOOSENECK, DROP DEC AAILER (25T, 50T, AND 100T	•
Cost Breakdown:				
Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons	
Ownership Cost/Hour:	\$16.63	\$18.37	\$22.33	
Operating Cost/Hour:	\$44.38	\$46.13	\$50.07	
Operator Cost/Hour:	\$27.66	\$27.66	\$27.66	
Helper Cost/Hour:	\$0.00	\$25.39	\$25.39	

NON ROADABLE EQUIPMENT:

Total Unit Cost/Hour:

\$88.67

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
Truck Mounted - 3.0in 500 ft capy.	0.00	\$9.82	\$88.67	1	\$98.49	\$88.67	\$250.00
Cat D6T XL	25.01	\$56.50	\$88.67	1	\$145.17	\$88.67	\$250.00

\$117.55

\$125.45

Subtotals: \$243.66 \$177.34 \$500.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 1 T. Crew	\$47.19	1	\$47.19	\$47.19

Subtotals: **\$47.19 \$47.19**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:

Total one-way travel distance:

Average Travel Speed:

DENVER, CO
miles
65.00
mph

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

\$2,434.79

\$155.36

Transportation Cycle Time:

	Non-		
	Roadable	Roadable	
	Equipment	Equipment	
Haul Time (Hours):	1.65	1.65	
Return Time (Hours):	1.65	1.65	
Loading Time (Hours):	0.05	NA	
Unloading Time (Hours):	0.05	NA	
Subtotals:	3.39	3.29	

JOB TIME AND COST

Total job cost: 6.78 Hours

Total job cost: \$2,590