COST SUMMARY WORK

te: _	Birdseye Pit	Pe	Permit Action: 2019-09-09			Permit/Job#: M201903	
<u>PR</u>	OJECT IDENTIFIC	CATION					
	Task #: 000	State:	Colorado		A	Abbreviation:	None
	Date: 9/9/2019	County:	Lake			Filename:	M034-000
	User: DMC						
	Agency or organ	ization name' DI	RMS				
TA	ASK LIST (DIRECT	COSTS)					
	SK LIST (DIRECT	COSTS)		Form	Fleet	Task	
	ASK LIST (DIRECT Description	COSTS)		Form Used	Fleet Size	Task Hours	Cost
sk		COSTS)					Cost \$3,000
TA ask a	Description			Used	Size	Hours	
i sk a	Description Remove truck scale			Used DEMOLISH	Size	Hours 8.00	\$3,000
a a	Description Remove truck scale Haul topsoil for 15 a			Used DEMOLISH TRUCK1	Size 1 1	Hours 8.00 181.46	\$3,000 \$47,390
a a a a	Description Remove truck scale Haul topsoil for 15 a Spread topsoil	cre disturbance		Used DEMOLISH TRUCK1 DOZER	Size 1 1 1	8.00 181.46 20.12	\$3,000 \$47,390 \$4,574
ask a a a a	Description Remove truck scale Haul topsoil for 15 a Spread topsoil Revegetate 15 acres	cre disturbance		Used DEMOLISH TRUCK1 DOZER REVEGE	Size 1 1 1	8.00 181.46 20.12 15.00	\$3,000 \$47,390 \$4,574 \$28,758
ask a a a a a	Description Remove truck scale Haul topsoil for 15 a Spread topsoil Revegetate 15 acres Riprap slope in Pit 4	cre disturbance		Used DEMOLISH TRUCK1 DOZER REVEGE EXCAVATE	Size 1 1 1	8.00 181.46 20.12 15.00 14.68	\$3,000 \$47,390 \$4,574 \$28,758 \$1,689
sk a a a a a	Description Remove truck scale Haul topsoil for 15 a Spread topsoil Revegetate 15 acres Riprap slope in Pit 4	cre disturbance		Used DEMOLISH TRUCK1 DOZER REVEGE EXCAVATE	Size 1 1	8.00 181.46 20.12 15.00 14.68	\$3,000 \$47,390 \$4,574 \$28,758 \$1,689 \$4,238

OVERHEAD AND PROFIT:

Liability insurance: 2.02 Total = \$1,811 Performance bond: 1.05 Total = \$941 Total = \$8,392 Job superintendent: 120.94

Total = Profit: 10.00 \$8,965

TOTAL O & P =\$20,109 CONTRACT AMOUNT (direct + O & P) = \$109,758

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$500 Total = \$500 Total = Engineering work and/or contract/bid preparation: 0.00 \$0 Reclamation management and/or administration: 5.00 \$5,488

> CONTINGENCY: 0.00 Total = \$0

> > TOTAL INDIRECT COST = \$26,097

TOTAL BOND AMOUNT (direct + indirect) = \$115,746

DEMOLITION WORK

Task descripti	on: Ren	nove truck scale				
Site: Birdseye Pit		Permit Action: 20	19-09-09		Permit/Job#:	M2019034
PROJECT IDENTI	FICATION					
Task #: 01A Date: 9/9/2019 User: DMC Agency	y or organization n	State: Colorado County: Lake ame: DRMS			iation: None M034 ion adjustmen	l-01a
Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Truck Scale	NA	USER PROVIDED ITEM	1.00	1	\$3,000.00	\$3,000.00

TRUCK/LOADER TEAM WORK

					: 2019-09-0			: <u>M2019034</u>
<u>PR</u>	OJECT IDEN	<u>TIFICATION</u>						
	Task #: 02A			Colorado	1			None
	Date: 9/9/2		County: _	Lake			Filename:	M034-02a
	User: DMC	<u>;</u>						
	Agency or	organization nan	ne: DRN	/IS				
<u>H(</u>	OURLY EQUIE	PMENT COST	1 -			Shift ba	sis: 1 per day	
					ipment Descr			
	T	ruck Loader Tea			c 8-10 cy, 6x4	ļ		
	Supp	ort Equipment -L	-Loader:	CAT 9 NA	/2H			
	Бирр		imp Area:	NA				
	Road Ma	aintenance –Moto		NA				
		-Wa	ter Truck:	NA				
Co	st Breakdown:	Truck/Loa	der Team		Support	Equipment	Maint	enance Equipme
<u>C0</u>	st bicakuowii.	Truck	Loader	L	oad Area	Dump Area	Motor Grader	Water Truck
Utiliz	cation-machine:	100		100	NA	NA	N.	A N
wne	rship cost/hour:	\$16.33	\$4	6.54	NA	NA	N.	A N
Oper	ating cost/hour:	\$42.75	\$5	5.81	NA	NA	N.	A N
%U	tilization-riper:	NA		0	NA	NA	N.	A N
-	own. cost/hour:	NA		0.00	NA	NA	N.	
	r op. cost/hour:	NA		0.00	NA	NA	N.	
	rator cost/hour:	\$0.00	•	0.65	NA	NA	N.	
	Unit Subtotals:	\$59.08	\$14	3.00	NA	NA	N.	A N
	umber of Units:	2		1	0	0		0
G	roup Subtotals:	Work:	\$261.16		Support:	\$0.00	Main	t: \$0.00
Tot	al work team cos	t/hour: \$261.16						
\mathbf{M}	ATERIAL QUA	<u>ANTITIES</u>						
	Initial volume Loose volume		0	CCY LCY	Swell	factor: 1.000		
					CD 1		C .	
		arce of estimated of estimated swe	-	Division Cat Han		on, Mining & Sat	tety	
	Source	Material Purcha	_	\$0.00	Idoook			
		To	tal Cost:	\$0.00				
H	DURLY PRO	<u>DUCTION</u>						
111								
	uck Capacity:							

Pounds

Description: __ Rated Payload: __

Top Soil 27,280

Time:

Truck/Loader Worksheet Con-	t'd	Task # 02A			Page 2 of	4
Payload Capacity: _	17.05	LCY				
Truck Bed (volume) Basis: Struck Volume: Heaped Volume: Average Volume: Adjusted Volume:	8.00 10.00 9.00 10.00	LCY LCY LCY LCY				
Final T	ruck Volume	Based on Number of	Loader Passes:	5.46	LCY	
Loading Tool Capacity						
Rated Capacity: _ Bucket Fill Factor: _ Adjusted Capacity: _	5.600 0.975 5.460	LCY (heaped) Loose material LCY		et Size Class: N. ggregates (95-100%)		 - -
Job Condition Corrections:		S	ite Altitude (ft.):	<u>10200</u> feet		
	Truck	Loader	Source			
Altitude Adj:	0.890	1.000	(CAT HE			
Job Efficiency:	0.830	0.830	(CAT HE	3)		
Net Correction:	0.739	0.830				
Loading Tool Cycle Time:]	Number of Loading	Tool Passes Requ	iired to Fill	1	passes
Excavators and Front Shovels		S		Truck:	1	1
Machine Cycle Time vs Selected Value w	. Job Conditio ithin this Basi	c Rating: NA				
Track Loaders – N	Material Descr	ription:				
Cycle Time Elements (min.):						
Load: NA	N	Inneuver: NA		Dump: 0.100)	
Wheel and Track	Loaders - Una	adjusted Basic Load	•	ead, dump, naneuver):	525 min	utes
Cycle Time Factors				Factor (min.)	Source	
Material:	Mixed mater	rial 0.02		0.020	(Cat HB)	-
Stockpile:	Conveyor or 0.01	dozer piled 10 ft. hi	gh or less	0.010	(Cat HB)	_
Truck Ownership:		vnership of trucks an	d loaders -	-0.040	(Cat HB)	_
Operation:	Constant ope	eration -0.04		-0.040	(Cat HB)	=
Dump Target:	Nominal targ			0.000	(Cat HB)	_
		Adjusted Load	ne Adjustment: er Cycle Time: ime per Truck:	-0.050 0.475 0.100	minutes minutes minutes	
Truck Cycle Time:						
Truck Exchange Time:	0.50	Minutes	Adjusted	for site altitude:	0.562	Minutes
Truck Load Time:	0.100	Minutes	Adjusted	for site altitude:	0.100	Minutes
Truck Maneuver and Dump	0.80	Minutes	Adjusted	for site altitude:	0.899	Minutes

<u>Truck Travel (Haul & Return) Time:</u> penetration 5.0

Road Condition: Rutted dirt, little maintenance, no water, 2" tire

Haul Route:

Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	3000.00	0.00	5.00	5.00	2218	1.422

Haul Time: 1.422 minutes Return Route: Grade (%) Roll. Res Total Res Velocity Travel Seg# Haul Distance Time (Ft) (%)(%) (fpm) (min) 5.00 5.00 2814 3000.00 0.00 1.095

Return Time: 1.095 minutes
Total Truck Cycle Time: 4.078 minutes

Loading Tool unit

Production 495.02 LCY/Hour Adjusted for job efficiency: 410.86 LCY/Hour Truck Unit Production

80.34 LCY/Hour Adjusted for job efficiency: 66.68 LCY/Hour

Optimal No. of Trucks: 6 Truck(s) Selected Number of Trucks: 2 Truck(s)

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

133.36
LCY/Hour
LCY/Hour
LCY/Hour

JOB TIME AND COST

 Fleet size:
 1
 Team(s)
 Total job time:
 181.46
 Hours

 Unit cost:
 \$1.958
 /LCY
 Total job cost:
 \$47,390

BULLDOZER WORK

Task description: Spr	ead topsoil			
ite: Birdseye Pit	Permit Action:	2019-09-09	Permit/Jo	b#: M2019034
PROJECT IDENTIFICATION	<u>ON</u>			
Task #: 03A Date: 9/9/2019 User: DMC	State: Colorado County: Lake		Abbreviation: Filename:	None M034-03a
Agency or organization	name: DRMS			
HOURLY EQUIPMENT CO	<u>OST</u>			
Basic Machine: Horsepower: Blade Type: Attachment: Shift Basis: Cat D8T- 310 Semi-Unit NA 1 per day				
Data Source: (CRG) Cost Breakdown:				
Ownership Cost/Hour:	\$103.86	<u>Utilization %</u> NA		
Operating Cost/Hour:	\$82.26	100		
Ripper own. Cost/Hour:	\$0.00	NA		
Ripper op. Cost/Hour:	\$0.00	0		
Operator Cost/Hour:	\$41.24	NA		
Total Fleet Cost/Hour: \$227 MATERIAL QUANTITIES Initial Volume: 24,200 Swell factor: 1.000 Loose volume: 24,200 LC				
Source of estimated volume: Source of estimated swell factor:	Division of Reclamation Cat Handbook	n, Mining & Safety		
HOURLY PRODUCTION				
Average push distance: Unadjusted hourly production:	50 feet 1,400.0 LCY/hr	<u> </u>		
Materials consistency description	on: Loose stockpile 1.2			
Average push 0 % gradient:				
Average site altitude: 10,2	00 feet			
Material weight: 1,60	0 lbs/LCY		<u> </u>	
Weight description: Top	Soil			
Job Condition Correction Factor		Source		

Operator Skill:	0.750	(AVG.)
Material consistency:	1.200	(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:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.8593

Adjusted unit production:

1,203.02 LCY/hr

Adjusted fleet production:

1203.02 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.189/LCY

Total job time: 20.12 Hours Total job cost: \$4,574

REVEGETATION WORK

Task description:	Revegetate 15 a				
e: Birdseye Pit	Pe	Permit Action: <u>2019-09-09</u> Permit/Job			: <u>M2019034</u>
PROJECT IDENTIF	<u>ICATION</u>				
Task #: 04A Date: 9/9/2019 User: DMC	State: County:	Colorado Lake		_	None M034-04a
	anization name: D	RMS			
FERTILIZING					
M <u>aterials</u>					
Description		Units / Acre	Unit	Cost / Unit	Cost /Acre
				\$	\$
				Total Fertilizer Materials Cost/Acre	\$0.00
		,	1		1
Application					
Description					Cost /Acre
					\$
		Total	Fertilizer A	application Cost/Acre	\$0.00

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$101.93
Weed control spraying (MEANS 31 31 16.13 3100)	\$193.60
Total Tilling Cost/Acre	\$295.53

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Baltic Rush	0.30	84.30	\$84.30
Big Bluegrass - Sherman	0.80	16.53	\$6.78
Blue Wildrye - Arlington or Elkton	2.00	6.89	\$13.32
Mountain Brome - Bromar	3.00	4.82	\$11.40
Sandberg Bluegrass - VNS	0.80	16.99	\$6.72
Nebraska Sedge	0.50	10.47	\$83.25
Rocky Mountain Fescue	0.80	12.86	\$5.80
Slender Wheatgrass - San Luis	3.00	10.95	\$12.75
Streambank Wheatgrass - Sodar	3.00	9.78	\$17.10

Tufted Hairgrass	0.80	45.91	\$8.82
		210.50	
Totals Seed Mix	15.00	219.50	\$250.24

Application

Description		Cost /Acre
Drill Seeding (DRMS Survey Cost)		\$232.00
То	tal 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	\$295.00	\$590.00
Total Mulch Materials Cost/Acre				\$590.00

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$70.17
Power mulcher (MEANS 32 91 13.16 0350)		\$95.83
	Total Mulch Application Cost/Acre	\$166.00

NURSERY STOCK PLANTING

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

JOB TIME AND COST

No. of Acres: 15 Cost /Acre: \$1,533.77 d Failure Rate: 25% Cost /Acre*: \$1,533.77

Estimated Failure Rate: 25% Cost /Acres Selected Replanting Work Items: FERTILIZING, TILLING, SEEDING, MU

LCHING

Initial Job Cost: \$23,006.55

Reseeding Job Cost: \$5,751.64

Total Job Cost: \$28,758

Job Hours: 15.00

HYDRAULIC EXCAVATOR WORK

	escription: I	kiprap slope in Pit 4			
Task #: 05A	lseye Pit	Permit Action	n: <u>2019-09-09</u>	Permi	it/Job#: <u>M201903</u> 4
Date: 9/9/2019 County: Lake	ECT IDENTIFICA	ΓΙΟΝ			
Basic Machine: Cat 320D L 9'-6" Stick Horsepower: 148	Pate: 9/9/2019		0		
Basic Machine: Cat 320D L 9'-6" Stick Horsepower: 148	Agency or organizat	on name: DRMS			
Attachment 1: ROPS Cab	LY EQUIPMENT	COST			
Cost Breakdown: Ownership Cost/Hour: \$37.31 NA Operating Cost/Hour: \$40.45 100 Operator Cost/Hour: \$115.02 Total Fleet Cost/Hour: \$115.02 MATERIAL QUANTITIES Initial volume: 2.962 CCY Swell factor: 1.000 Loose volume: 2.962 LCY Source of estimated volume: Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Excavator Cycle Time (load bucket, swing loaded, dump bucket, swing empty): Basic Job Condition Description: Cycle Time Value: Oza4 minutes Load Bucket Capacity: 1.54 LCY (heaped) Bucket Fill Factor: 0.900 Rock - Poorly Blasted (85%-95%) 0.900 Adjusted Capacity: 1.39 LCY Job Condition Correction Factors Source Altitude Adj: 0.83 (CAT HB) Job Efficiency: 0.83 (1 shift/day) Net Correction: 0.69 multiplier Unadjusted Hourly Unit Production: 292.82 LCY/Hour Adjusted Hourly Unit Production: 201.72 LCY/Hour Adjusted Hourly Fleet Production: 201.72 LCY/Hour			V	Veight (MT): Shift Basis:	21.55 1 per day
Ownership Cost/Hour: \$37.31 NA Operating Cost/Hour: \$40.45 100 Operator Cost/Hour: \$37.27 NA Total Unit Cost/Hour: \$115.02 Total Fleet Cost/Hour: \$115.02 MATERIAL QUANTITIES Initial volume: 2,962 CCY Swell factor: 1.000 Loose volume: 2,962 LCY Source of estimated volume: Source of estimated swell factor: Oct Handbook HOURLY PRODUCTION Excavator Cycle Time (load bucket, swing loaded, dump bucket, swing empty): Basic Job Condition Description: AVERAGE Secondary Job Condition within Basic Description: Cycle Time Value: 0.284 minutes Load Bucket Capacity: 1.54 LCY (heaped) Bucket Fill Factor: 0.990 Rock - Poorly Blasted (85%-95%) 0.900 Adjusted Capacity: 1.39 LCY Job Condition Correction Factors Alittude Adj: 0.83 (CAT HB) Job Efficiency: 0.83 (1 shift/day) Net Correction: 0.69 multiplier Unadjusted Hourly Unit Production: 292.82 LCY/Hour Adjusted Hourly Unit Production: 292.82 LCY/Hour Adjusted Hourly Unit Production: 201.72 LCY/Hour Adjusted Hourly Fleet Production: 201.72 LCY/Hour	eakdown:				
Total Unit Cost/Hour: \$115.02	Operating Cost/Hour	: \$40.45	NA 100	_	
Total Fleet Cost/Hour: \$115.02 MATERIAL QUANTITIES Initial volume: 2,962	-		NA	_	
MATERIAL QUANTITIES Initial volume: 2,962		· · ·			
Initial volume: 2,962			-		
Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Excavator Cycle Time (load bucket, swing loaded, dump bucket, swing empty): Basic Job Condition Description: AVERAGE Secondary Job Condition within Basic Description: Cycle Time Value: O.284 minutes Bucket Size Class: Medium Rated Capacity: 1.54 LCY (heaped) Bucket Fill Factor: 0.900 Rock - Poorly Blasted (85%-95%) 0.900 Adjusted Capacity: 1.39 LCY Job Condition Correction Factors Source Altitude Adj: 0.83 (CAT HB) Job Efficiency: 0.83 (1 shift/day) Net Correction: 0.69 multiplier Unadjusted Hourly Unit Production: 292.82 LCY/Hour Adjusted Hourly Unit Production: 201.72 LCY/Hour Adjusted Hourly Fleet Production: 201.72 LCY/Hour	oose volume: 2,962 2,962	CCY LCY	Swell facto	or: 1.000	
Basic Job Condition Description: Basic Job Condition Description: Secondary Job Condition within Basic Description: Cycle Time Value: AVERAGE AVERAGE				Mining & Safety	
Basic Job Condition Description: Secondary Job Condition within Basic Description: Cycle Time Value: O.284 minutes Bucket Capacity					
Basic Job Condition Description: Secondary Job Condition within Basic Description: Cycle Time Value: Bucket Size Class: Bucket Size Class: Medium Rated Capacity: Bucket Fill Factor: 0.900 Rock - Poorly Blasted (85%-95%) 0.900 Adjusted Capacity: 1.39 LCY Job Condition Correction Factors Source Altitude Adj: Job Efficiency: 0.83 (1 shift/day) Net Correction: Unadjusted Hourly Unit Production: 292.82 LCY/Hour Adjusted Hourly Unit Production: 292.82 LCY/Hour Adjusted Hourly Unit Production: 201.72 LCY/Hour Adjusted Hourly Fleet Production: 201.72 LCY/Hour			1 1		
Secondary Job Condition within Basic Description: Cycle Time Value: Doze Cycle Time Value Doze	or Cycle Time (load b				
Cycle Time Value: 0.284 minutes Bucket Size Class: Medium Rated Capacity: 1.54 LCY (heaped) Bucket Fill Factor: 0.900 Rock - Poorly Blasted (85%-95%) 0.900 Adjusted Capacity: 1.39 LCY Job Condition Correction Factors Source Altitude Adj: 0.83 (CAT HB) Job Efficiency: 0.83 (1 shift/day) Net Correction: 0.69 multiplier Unadjusted Hourly Unit Production: 292.82 LCY/Hour Adjusted Hourly Unit Production: 201.72 LCY/Hour Adjusted Hourly Fleet Production: 201.72 LCY/Hour	Se				
Rated Capacity: 1.54 LCY (heaped) Bucket Fill Factor: 0.900 Rock - Poorly Blasted (85%-95%) 0.900 Adjusted Capacity: 1.39 LCY Job Condition Correction Factors Source Altitude Adj: 0.83 (CAT HB) Job Efficiency: 0.83 (1 shift/day) Net Correction: 0.69 multiplier Unadjusted Hourly Unit Production: 292.82 LCY/Hour Adjusted Hourly Unit Production: 201.72 LCY/Hour Adjusted Hourly Fleet Production: 201.72 LCY/Hour	Se	olidary 300 Colidition with			minutes
Rated Capacity: 1.54 LCY (heaped) Bucket Fill Factor: 0.900 Rock - Poorly Blasted (85%-95%) 0.900 Adjusted Capacity: 1.39 LCY Job Condition Correction Factors Site Altitude: 10200 feet Source Altitude Adj: 0.83 (CAT HB) Job Efficiency: 0.83 (1 shift/day) Net Correction: 0.69 multiplier Unadjusted Hourly Unit Production: 292.82 LCY/Hour Adjusted Hourly Unit Production: 201.72 LCY/Hour Adjusted Hourly Fleet Production: 201.72 LCY/Hour	ıcket Capacity				
Bucket Fill Factor: 0.900 Rock - Poorly Blasted (85%-95%) 0.900 Adjusted Capacity: 1.39 LCY Job Condition Correction Factors Site Altitude: 10200 feet	Data I Camaritan	1.54 I.CV.(1		Bucket Size Class:	Medium
Adjusted Capacity: 1.39 LCY Job Condition Correction Factors Source Altitude Adj: 0.83 (CAT HB) Job Efficiency: 0.83 (1 shift/day) Net Correction: 0.69 multiplier Unadjusted Hourly Unit Production: 292.82 LCY/Hour Adjusted Hourly Unit Production: 201.72 LCY/Hour Adjusted Hourly Fleet Production: 201.72 LCY/Hour				5%-95%) 0.900	
Altitude Adj: 0.83 (CAT HB) Job Efficiency: 0.83 (1 shift/day) Net Correction: 0.69 multiplier Unadjusted Hourly Unit Production: 292.82 LCY/Hour Adjusted Hourly Unit Production: 201.72 LCY/Hour Adjusted Hourly Fleet Production: 201.72 LCY/Hour	_		(
Altitude Adj: 0.83 (CAT HB) Job Efficiency: 0.83 (1 shift/day) Net Correction: 0.69 multiplier Unadjusted Hourly Unit Production: 292.82 LCY/Hour Adjusted Hourly Unit Production: 201.72 LCY/Hour Adjusted Hourly Fleet Production: 201.72 LCY/Hour	dition Correction Fact	<u>ors</u>	Site	Altitude: 10200 feet	;
Job Efficiency: 0.83 (1 shift/day) Net Correction: 0.69 multiplier Unadjusted Hourly Unit Production: 292.82 LCY/Hour Adjusted Hourly Unit Production: 201.72 LCY/Hour Adjusted Hourly Fleet Production: 201.72 LCY/Hour		Sourc	ce		
Net Correction: 0.69 multiplier Unadjusted Hourly Unit Production: 292.82 LCY/Hour Adjusted Hourly Unit Production: 201.72 LCY/Hour Adjusted Hourly Fleet Production: 201.72 LCY/Hour					
Unadjusted Hourly Unit Production: 292.82 LCY/Hour Adjusted Hourly Unit Production: 201.72 LCY/Hour Adjusted Hourly Fleet Production: 201.72 LCY/Hour					
Adjusted Hourly Unit Production: 201.72 LCY/Hour Adjusted Hourly Fleet Production: 201.72 LCY/Hour					
Adjusted Hourly Fleet Production: 201.72 LCY/Hour					
·					
	•	a really record roundered	MU1.14		
Fleet size: 1 Excavator Total job time: 14.68 Hours	t size: 1	Excavator	Гotal job time:	14.68	Hours
Unit cost: \$0.570 /LCY Total job cost: \$1,689	nit cost: \$0.570	/LCY	Total job cost	\$1,689	

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: Nio	bilize reclamatio	on crew/equipmen	ι		
e: Birdseye Pit	Permit	t Action:2019-09	0-09	Permit/Jo	b#: <u>M2019034</u>
PROJECT IDENTIFICATI	<u>ION</u>				
Task #: 06A Date: 9/9/2019 User: DMC	· —	Colorado ake	Ab	obreviation: Filename:	None M034-06a
Agency or organization	n name: DRMS	S			
EQUIPMENT TRANSPOR	T RIG COST				
			Shift Cost Data S		1 per day CRG Data
Truck Tractor Desc	cription: GENI		AY TRUCK TRAC 400 HP (2ND HAI		DIESEL POWERED,
Truck Trailer Desc	cription:	GENERIC FOLDIN TR	IG GOOSENECK, AILER (25T, 50T,		~
Cost Breakdown:					
Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons	-	
Ownership Cost/Hour:	\$17.20	\$29.63	\$38.69	-	
Operating Cost/Hour:	\$26.56	\$47.02	\$55.69	-	
Operator Cost/Hour:	\$23.63	\$23.63	\$23.63	_	
Helper Cost/Hour:	\$0.00	\$23.53	\$23.53		

NON ROADABLE EQUIPMENT:

Total Unit Cost/Hour:

\$67.39

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 D8T - 8SU	47.71	\$103.86	\$123.81	1	\$227.67	\$123.81	\$250.00
CAT 972H	28.00	\$46.54	\$123.81	1	\$170.35	\$123.81	\$250.00
Cat 320D L 9'-6"	23.70	\$37.31	\$67.39	1	\$104.70	\$67.39	\$250.00
Stick							
Drill/Broadcast	25.00	\$18.15	\$67.39	1	\$85.54	\$67.39	\$250.00
Seeder with							
Tractor							
Power Mulcher	6.00	\$9.74	\$67.39	1	\$77.13	\$67.39	\$250.00
(Bowie LD-90)							

\$123.81

\$141.54

Subtotals: \$665.39 \$449.79 \$1,250.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Generic 8-10 cy, 6x4	\$90.95	2	\$181.90	\$181.90
Light Duty Pickup, 4x4, 3/4 T.	\$12.96	1	\$12.96	\$12.96

Subtotals:	\$194.86	\$194.86
Subtotats.	3174.00	3174.0U

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:

Total one-way travel distance:

Average Travel Speed:

LEADVILLE

7.00
miles

45.00
mph

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

\$4,177.72

\$60.62

<u>Transportation Cycle Time:</u>

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	0.16	0.16
Return Time (Hours):	0.16	0.16
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.31	0.31

JOB TIME AND COST

Total job cost: 2.62 Hours

Total job cost: \$4,238