## COST SUMMARY WORK

1	ask descrip			Cost Upda					
site:	Blue Star	• #1		Pe	rmit Action:	2019 Bond Cale	culation	Permit/Job	o#: <u>M2014030</u>
<u>PI</u>	ROJECT	IDENTIFIC	CATION	I					
	Task #:	000		State:	Colorado			Abbreviation:	None
	Date:	3/1/2019		County:	Chaffee			Filename:	M030-000
	User:	DMC							
	Age	ency or organ	ization na	me: DF	RMS				
	-								
<u>T</u> A	ASK LIST	<u>(DIRECT</u>	COSTS	)					
			COSTS	)		Form	Fleet	Task	
sk	Descrip	otion	COSTS	)		Used	Size	Hours	Cost
sk a	<b>Descrip</b> Backfill	<b>tion</b> dig areas				Used EXCAVATE		<b>Hours</b> 19.53	\$1,859
s <b>k</b> a	<b>Descrip</b> Backfill	otion				Used	Size	Hours	
ask a b	Descrip Backfill Regrade	<b>tion</b> dig areas	a/ permit a	area roads		Used EXCAVATE	Size	<b>Hours</b> 19.53	\$1,859
<u>T</u> A ask la lb 2a 2b	Descrip Backfill Regrade Equipm	otion dig areas e parking area	a/ permit a	area roads		Used EXCAVATE EXCAVATE	<b>Size</b> 1 1	Hours           19.53           2.83	\$1,859 \$269
a b a b	Descrip Backfill Regrade Equipm Drive c	otion dig areas e parking area ent Mobilizat	a/ permit a	area roads		Used EXCAVATE EXCAVATE MOBILIZE	<b>Size</b> 1 1	Hours           19.53           2.83           4.28	\$1,859 \$269 \$985
sk a b a b	Descrip Backfill Regrade Equipm Drive c	tion dig areas parking area ent Mobilizat xcavator up F	a/ permit a	area roads		Used EXCAVATE EXCAVATE MOBILIZE MOBILIZE	<b>Size</b> 1 1	Hours           19.53           2.83           4.28           18.00	\$1,859 \$269 \$985 \$2,386
ask a b a	Descrip Backfill Regrade Equipm Drive c	tion dig areas parking area ent Mobilizat xcavator up F	a/ permit a	area roads		Used EXCAVATE EXCAVATE MOBILIZE MOBILIZE MISCTRUK	<b>Size</b> 1 1	Hours           19.53           2.83           4.28           18.00	\$1,859 \$269 \$985 \$2,386 \$134

### **INDIRECT COSTS**

#### OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$114
Performance bond:	1.05	Total =	\$59
Job superintendent:	0.00	Total =	\$0
Profit:	10.00	Total =	\$563
		TOTAL O & P =	\$736
		CONTRACT AMOUNT (direct + O & P) =	\$6,369

#### LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): Engineering work and/or contract/bid preparation:	\$0 0.00	Total = Total =	\$0 \$0
Reclamation management and/or administration:	5.00		\$318
CONTINGENCY:	0.00	Total =	\$0
	r	TOTAL INDIRECT COST =	\$1,055
TOTAL BO	\$6,688		

#### HYDRAULIC EXCAVATOR WORK

Task description:	Backfill dig are	eas				
e: Blue Star #1	P	ermit Action:	2019 Bond Cal	culation	Permit/Job	o#: <u>M2014030</u>
PROJECT IDENTIFI	CATION					
Task #:         01A           Date:         3/1/2019           User:         DMC	State: County:	Colorado Chaffee			eviation: ilename:	None M030-01a
Agency or organ	ization name: <u> </u>	RMS				
HOURLY EQUIPMEN	NT COST					
Basic Machine: Attachment 1:	Cat 315D L 8'-6' ROPS Cab	' Stick	W	Horsepower: Teight (MT): Shift Basis: Data Source:	1 1 p	115 7.32 er day CRG)
Cost Breakdown:				-		
Ownership Cost/F Operating Cost/F Operator Cost/F Total Unit Cost/F	Iour: \$28 Iour: \$37	.39 7.79	Utilization % NA 100 NA	-		
Total Fleet Cost/I	Hour: \$9:	5.16				
			Swell facto of Reclamation, <u>N</u> book		ty	
HOURLY PRODUCT		- d - d - d 1-		<b>(</b> ).		
Excavator Cycle Time (loa	id bucket, swing id	-				
	Secondary Job Co		ndition Description n Basic Description Cycle Time Valu	on: AVERA		minutes
Load Bucket Capacity			-	Bucket Size C	loggi Sm	nall
Rated Capacity Bucket Fill Factor Adjusted Capacity	: 0.675	LCY (hea Blasted re LCY				
Job Condition Correction I			Site	Altitude: <u>138(</u>	00 feet	
		Source				
Altitude Adj: Job Efficiency: Net Correction:	0.83 0.83 0.69	(CAT HE (1 shift/da multiplier	y)			
– Unad Ad	justed Hourly Uni justed Hourly Uni justed Hourly Flee	t Production: t Production:	71.19 49.04 <b>49.04</b>	LCY/Hour LCY/Hour LCY/Hour		
JOB TIME AND COS	<u>r</u>					
Fleet size: 1	_	itor To	tal job time:	14.5	0	Hours
Unit cost: \$1.9	40 /LCY		Total job cost:	\$1,38	0	

#### HYDRAULIC EXCAVATOR WORK

Task description:	Regrade parki	ng area/ pern	nit area roads			
ite: Blue Star #1	P	ermit Action:	2019 Bond Ca	lculation	Permit/Jol	o#: <u>M2014030</u>
PROJECT IDENTIFI	<b>CATION</b>					
Task #:       01B         Date:       3/1/2019         User:       DMC	State: County:	Colorado Chaffee			reviation: Filename:	None M030-01b
Agency or organ		ORMS				
HOURLY EQUIPME	<u>NT COST</u>					
Basic Machine: Attachment 1:	Cat 315D L 8'-6' ROPS Cab	'Stick	N.	Horsepower: Weight (MT): Shift Basis: Data Source:	1 1 p	115 7.32 ber day CRG)
Cost Breakdown:		1	T 14:1:			
Ownership Cost/I Operating Cost/I Operator Cost/I Total Unit Cost/I	Hour: \$28 Hour: \$37	.39 7.79	Utilization % NA 100 NA			
Total Fleet Cost/		5.16				
	ITIES 03 03	CCY LCY	Swell fact	or: <u>1.000</u>		
	of estimated volume timated swell factor		of Reclamation, lbook	Mining & Safe	ety	
HOURLY PRODUCT	<u>'ION</u>					
Excavator Cycle Time (lo	ad bucket, swing lo	aded, dump b	ucket, swing em	<u>pty):</u>		
	Secondary Job Co		ndition Descript n Basic Descript Cycle Time Va	ion: SEVER		minutes
Load Bucket Capacity				Bucket Size C		nall
Rated Capacity Bucket Fill Factor Adjusted Capacity	r: 0.675	LCY (he Blasted r LCY	aped) ock - poorly blas			
Job Condition Correction	Factors		Site	e Altitude: <u>138</u>	<u>00</u> feet	
Altitude Adj: Job Efficiency: Net Correction:	0.83 0.83 0.69 djusted Hourly Uni	Source (CAT HI (1 shift/da multiplier t Production:	y)	LCY/Hour		
A	djusted Hourly Uni ljusted Hourly Flee	t Production:	36.39 36.39	LCY/Hour LCY/Hour		
	l Excava	itor To	tal job time:	2.83	3	Hours
	615 /LCY		Total job cost:	\$26		-

# EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description:	Eq	uipment Mobiliza	tion/Demobiliz	ation				
: Blue Star #1		Permit	Action: 2019	Bond Calc	ulation	Permit/Joba	#: <u>M201403</u>	30
PROJECT IDE	NTIFICAT	<u>ION</u>						
Task #: 02A	L	State: Co	olorado		Abbro	eviation:	None	
	2019	County: Ch	naffee		Fi	ilename:	M030-02a	
User: DM	С	-						
Agency of	r organizatio	n name: DRMS						
EQUIPMENT T	RANSPOR	T RIG COST						
					Shift ba	sis: 1	per day	
				(	Cost Data Sou		RG Data	
Truck	Tractor Desc	cription: GENE	RIC ON-HIGH	WAY TRI	ICK TRACTO	OR 6X4 D	IESEL POW	FRED
TIGON	Theorem Dest				(2ND HALF,		ILSEE I O W	LICLD,
Truck	Trailer Desc	cription: G	ENERIC FOLD				EQUIPMEN	T
		-		FRAILER	(25T, 50T, Al	ND 100T)	-	
Cost Breakdown:								
Available Rig Ca	maaitiaa	0-25 Tons	26-50 Tons	51	- Tons			
	Cost/Hour:	\$16.63	\$18.37		22.33			
	Cost/Hour:	\$44.38	\$46.13		50.07			
1 0	Cost/Hour:	\$27.66	\$27.66		27.66			
	Cost/Hour:	\$0.00	\$25.39	\$2	25.39			
Total Unit	Cost/Hour:	\$88.67	\$117.55	\$1	25.45			
NON ROADAB	LE EQUIP	MENT:						
Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return T		Permit
widemine	Unit	Cost/hr/ unit	Cost/hr/uni	Size	Cost/hr/	Cost/hr/	fleet Cost	/ fleet
Description	(		t		fleet			
Description	(TONS)				¢117((	\$88.67	\$250	00
	(TONS) 19.05	\$28.99	\$88.67	1	\$117.66	\$00.07	\$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.	\$12.23	1	\$12.23	\$12.23
		Subtotals:	\$12.23	\$12.23

### **EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region: Total one-way travel distance: Average Travel Speed:	BUENA VISTA 20.00 35.00	miles mph
Total Non-Roadable Mob/Demob Cost *	\$971.13	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$13.98	

Transportation Cycle Time:

	Non- Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.57	0.57
Return Time (Hours):	0.57	0.57
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	2.14	1.14

#### JOB TIME AND COST

Total job time: **4.29** Hours

Total job cost: \$985

# EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description:	Dri	ve excavator up I	FR 277				
e: Blue Star #1		Permit	Action: 2019	Bond Calc	ulation	Permit/Job#: _	M2014030
PROJECT IDEN	NTIFICATI	<u>ON</u>					
Task #: 02B	6	State: Co	olorado		Abbre	eviation: No	ne
	2019		affee				)30-02b
User: DM	С						
Agency o	r organizatior	n name: DRMS					
EQUIPMENT T	'RANSPOR'	T RIG COST					
	MIGIOR	<u>1 MU COST</u>			Shift ba	sis: 1 per	day
				C	Cost Data Sour		
	Tractor Desc			400 HP	(2ND HALF,	2006)	EL POWERED,
Truck	Trailer Desc	ription: G	ENERIC FOLE				QUIPMENT
				IRAILER	(25T, 50T, AN	ND 1001)	
Cost Breakdown:							
Available Rig Ca	apacities	0-25 Tons	26-50 Tons	51+	Tons		
Ownership		\$16.63	\$18.37		2.33		
	Cost/Hour:	\$44.38	\$46.13	\$5	0.07		
Operator	Cost/Hour:	\$27.66	\$27.66	\$2	7.66		
Helper	Cost/Hour:	\$0.00	\$25.39	\$2	5.39		
Total Unit	Cost/Hour:	\$88.67	\$117.55	\$12	25.45		
<u>NON ROADABI</u>	LE EQUIPN	<u>IENT:</u>					
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/ flee	t Cost/ fleet
1	(TONS)		t		fleet		
Cat 315D L 8'-6" Stick	19.05	\$28.99	\$88.67	1	\$117.66	\$88.67	\$250.00
				Subtotals:	\$117.66	\$88.67	\$250.00
				Sactoralb.	ψ117.00	φ00.07	φ200.00

### **ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
		Subtotals:	\$0.00	\$0.00

### **EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region: Total one-way travel distance: Average Travel Speed:	FROM HAUL ROAD 6.00 1.50	_ miles _ mph
Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig:	\$2,385.96	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$0.00	_

Transportation Cycle Time:

Haul Time (Hours):EquipmentEquipmentReturn Time (Hours):4.004.00Loading Time (Hours):0.50NAUnloading Time (Hours):0.50NA	
Unloading Time (Hours): 0.50 NA	
Subtotals: 9.00 8.00	

#### JOB TIME AND COST

Total job time: **18.00** Hours

Total job cost: **\$2,386** 

### MISCELLANEOUS TRUCK WORK

e: Blue Star #1 Permit Action:		2019 Bond Calculation	n Permit/Jo	b#: <u>M2014030</u>	
PROJECT IDENTI	IFICATIO	N			
Task #:         03A           Date:         3/1/201           User:         DMC	9	State: Colorado County: Chaffee		Abbreviation: Filename:	None M030-03a
Agency or or	ganization n	ame: DRMS			
HOURLY EQUIPM	<u>AENT COS</u>	<u>ST</u>			
Make and Model:       Light Duty Pickup, 4x4, 3/4 T.         Attachment 1:			Horsepow Shift Ba Weig	sis: 1 per day	
	2:				
	2:				
Labor Unit	ost/Hour: ost/Hour: ost/Hour:	\$4.72 \$7.51 \$21.23 \$33.46	Utilization % NA 100 NA		

Unit cost: \_\_\_\_\_\$33.46 /Hour

Total job cost:	\$134	

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