COST SUMMARY WORK

description: Cos	st Summary f	or Reclama	tion Tasks			
Collecting Project #1	Per	mit Action:	New App		Permit/Job	#: <u>M2018064</u>
IECT IDENTIFICATI	<u>ION</u>					
ask #:000	State:	Colorado		A	_	None
Date: 3/11/2019 User: ERR	County:	Teller			Filename: _	M064-000
Agency or organization	n name: DR	RMS				
<u> LIST (DIRECT COS</u>	STS)					
			Form	Fleet	Task	G 4
Description						Cost
	3			- .		\$549
				_		\$350
						\$672
	on Equipment					\$1,271 \$1,408
RECT COSTS						
HEAD AND PROFIT:						
Liability insurance:	2.02				Total = \$86	5
Performance bond:	1.05					
Job superintendent:	0.00					
Profit:	10.00				Total = \$42	25
		CONTI	RACT AMOUNT	(direct +	O & P) = \$4	805
L - ENGINEERING - PRO	OJECT MAN	AGEMENT:				
Financial warranty process	ing (legal/rela	ted costs):	\$0	_	Total = \$0	
				_	$Total = \underline{\$0}$	
Reclamation management	nt and/or admi	nistration:	5.00	_	\$24	40
	CONTIN	NGENCY:	0.00		Total =\$0	
			TOTAL II	NDIRECT	$COST = \frac{\$79}{2}$	96
		ТО	TAL AMOUNT	(direct + i	ndirect) = \$5	.046
		TOT	AL BOND AMO	OUNT (ro	unded) =\$5,	,050
	Collecting Project #1 IECT IDENTIFICATI ask #: 000 Date: 3/11/2019 User: ERR Agency or organization CLIST (DIRECT COST) Backfill Open Excavations Replace Topsoil Re-contour Site and Trails Revegetate the Site Mob/Demob of Reclamation RECT COSTS HEAD AND PROFIT: Liability insurance: Performance bond: Job superintendent: Profit: L - ENGINEERING - PR Financial warranty process Engineering work and/or of	Collecting Project #1 Per IECT IDENTIFICATION ask #: 000 State: Date: 3/11/2019 County: User: ERR Agency or organization name: DR LIST (DIRECT COSTS) Description Backfill Open Excavations Replace Topsoil Re-contour Site and Trails Revegetate the Site Mob/Demob of Reclamation Equipment RECT COSTS HEAD AND PROFIT: Liability insurance: 2.02 Performance bond: 1.05 Job superintendent: 0.00 Profit: 10.00 L - ENGINEERING - PROJECT MANA Financial warranty processing (legal/rela Engineering work and/or contract/bid pr Reclamation management and/or admi	Collecting Project #1 Permit Action: IECT IDENTIFICATION ask #: 000	Collecting Project #1 Permit Action: New App IECT IDENTIFICATION ISSEM: 000 State: Colorado Date: 3/11/2019 County: Teller User: ERR Agency or organization name: DRMS CLIST (DIRECT COSTS) CLIST (DIRECT COSTS) SEPPLICATION Description Used Backfill Open Excavations DOZER Replace Topsoil DOZER Re-contour Site and Trails DOZER Revegetate the Site REVEGE Mob/Demob of Reclamation Equipment MOBILIZE SUBTO RECT COSTS HEAD AND PROFIT: Liability insurance: 2.02 Performance bond: 1.05 Job superintendent: 0.00 Profit: 10.00 CONTRACT AMOUNT L - ENGINEERING - PROJECT MANAGEMENT: Financial warranty processing (legal/related costs): \$0 CONTRACT AMOUNT Reclamation management and/or administration: 5.00 CONTINGENCY: 0.00 TOTAL II TOTAL AMOUNT	Permit Action: New App Permit Action: New App	Permit Action: New App

BULLDOZER WORK

: JJ Collecting Project	#1 P	ermit Action:	New App	Permit/Jo	b#: M2018064
PROJECT IDENTIFI	CATION				
Task #:001	State:			Abbreviation:	None
Date: 3/11/2019 User: ERR	County:	Teller		Filename:	M064-001
Agency or organ	ization name: _ I	DRMS			
HOURLY EQUIPME	NT COST				
	D6T XL		_		
Horsepower: 185			_		
• • • • • • • • • • • • • • • • • • • •	mi-Universal		_		
	hank ripper er day		_		
Data Source: (CF			-		
Cost Breakdown:		I	Iltilization 0/		
Ownership Cost/Hour:		\$52.66	<u>Utilization %</u> NA		
Operating Cost/Hour:		\$46.34	100		
Ripper own. Cost/Hour:		\$3.84	NA		
Ripper op. Cost/Hour:		\$0.63	25		
Operator Cost/Hour:	-	\$41.52	NA		
MATERIAL QUANTI Initial Volume: 500 Swell factor: 1.33					
	LCY				
Source of estimated volu Source of estimated swel factor:					
HOURLY PRODUCT	<u>ION</u>				
Average push distance: Unadjusted hourly production:	50 feet 444.6 LC	Y/hr			
Materials consistency de	scription: Cons	olidated stockp	ile 1.0		
Average push gradient:	0 %				
Average site altitude:	8,600 feet				
Material weight:	2,900 lbs/LCY				
Weight description:	Decomposed roo	ck - 50% Rock	, 50% Earth		
Job Condition Correction 1 Operator S		0.750	Source (AVG.)		

Material consistency:	1.000	(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:	0.793	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3949

Adjusted unit production:

Adjusted fleet production:

175.57 LCY/hr

175.57 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.826/LCY

Total job time: 3.79 Hours
Total job cost: \$549

BULLDOZER WORK

e: JJ Collecting Project	#1 Pe	rmit Action:	New App	Permit/Jo	b#: <u>M2018064</u>
PROJECT IDENTIFI	<u>CATION</u>				
Task #: 002	State:	Colorado		Abbreviation:	None
Date: 3/11/2019	County:	Teller		Filename:	M064-002
User: ERR					
Agency or organ	nization name:DF	RMS			
HOURLY EQUIPME	NT COST				
Basic Machine: Cat	t D6T XL				
Horsepower: 185	5				
• • • • • • • • • • • • • • • • • • • •	ni-Universal		_		
	hank ripper				
	er day		<u> </u>		
Data Source: (CF	RG)		_		
Cost Breakdown:					
			<u>Utilization %</u>		
Ownership Cost/Hour:		\$52.66	NA		
Operating Cost/Hour:		\$46.34	100		
Ripper own. Cost/Hour:		\$3.84	NA		
Ripper op. Cost/Hour:		\$0.63	25		
Operator Cost/Hour:		\$41.52			
Operator Cost/Hour.	-	\$41.32	NA		
Total unit Cost/Hour:	\$145.00				
Total Fleet Cost/Hour:	\$145.00				
MATERIAL QUANTI	ITIES				
* 1 * *					
Initial Volume: 645					
Swell factor: 1.42					
Loose volume: 921	LCY				
Source of estimated volu	ıme: Max 8" a	cross 0.6 acre	es		
Source of estimated swel					
factor:					
HOURLY PRODUCT	ION				
Average push distance:	50 feet				
Unadjusted hourly	444.6 LCY	/hr			
production:	-				
Materials consistency de	scription: Loss	etoeknile 1.2			
Materials consistency de	scription: Loose	stockpile 1.2			
Average push	0 %				
gradient:	0 /0				
Average site altitude:	8,600 feet	<u></u>			
	3,000 1301				
Material weight:	1,600 lbs/LCY				
Weight description:	Top Soil				
-	-		C		
Job Condition Correction		750	Source (AVG)		
Operator S	5kiii: 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:

Adjusted fleet production:

382.04 LCY/hr

382.04 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.380/LCY

Total job time: 2.41 Hours
Total job cost: \$350

BULLDOZER WORK

Task description:	Re-contour Site	e and Trails			
: JJ Collecting Project	#1 P	ermit Action:	New App	Permit/Jo	b#: <u>M2018064</u>
PROJECT IDENTIFI	<u>CATION</u>				
Task #: 003	State:	Colorado		Abbreviation:	None
Date: 3/11/2019	County:	Teller		Filename:	M064-003
User: ERR					
Agency or organ	nization name:D	RMS			
HOURLY EQUIPME	NT COST				
Basic Machine: _ Cat	t D6T XL		_		
Horsepower: 185			_		
<u></u>	mi-Universal		=		
	hank ripper		<u> </u>		
	er day		<u> </u>		
Data Source: (CI	RG)		_		
Cost Breakdown:					
<u>-</u>			<u>Utilization %</u>		
Ownership Cost/Hour:		\$52.66	NA		
Operating Cost/Hour:		\$46.34	100		
Ripper own.		\$3.84	NA		
Cost/Hour: Ripper op. Cost/Hour:		\$0.63	25		
		\$41.52			
Operator Cost/Hour:		\$41.32	NA		
Total unit Cost/Hour:	\$145.00				
Total Fleet Cost/Hour:	\$145.00				
MATERIAL QUANTI	<u>ITIES</u>				
Initial Volume: 698					
Swell factor: 1.16	5				
	LCY				
Loose volume. 613	LCI				
Source of estimated volu			0.6 acres + 0.266 acres	es	
Source of estimated swe	ll Cat Han	dbook			
factor:					
HOURLY PRODUCT	<u>'ION</u>				
Average push distance:	50 feet				
Unadjusted hourly	444.6 LC	V/hr			
production:	444.0 LC	1 / 111			
production.					
Materials consistency de	escription: Consc	olidated stockp	oile 1.0		
Average push	0 %				
gradient:	0 /0				
Average site altitude:	8,600 feet				
riverage site attitude.	0,000 ICCI				
Material weight:	2,900 lbs/LCY				
Weight description:	Decomposed roc	k - 50% Rock	, 50% Earth		
Job Condition Correction			Source		
Operator S	Skill: (0.750	(AVG.)		

Material consistency:	1.000	(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:	0.793	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3949

Adjusted unit production:

Adjusted fleet production:

175.57 LCY/hr

175.57 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.826/LCY

Total job time: 4.63 Hours
Total job cost: \$672

REVEGETATION WORK

JJ Collecting Project #1	Domnit Astion, Nov			
	Permit Action: New App Permit/Job#		#: <u>M2018064</u>	
PROJECT IDENTIFICATION				
Task #: 004	State: Colorado		Abbreviation:	None
Date: 3/11/2019 C User: ERR	ounty: Teller		Filename:	M064-004
Agency or organization nam	e: DRMS			
Taterials	T T *. /		I	
Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
			Total Fertilizer Materials Cost/Acre	\$0.00

TILLING

Description	Cost /Acre
Chisel plowing {DMG}	\$92.77
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$106.29
Total Tilling Cost/Acre	\$199.06

Total Fertilizer Application Cost/Acre

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Blue Grama - Hachita	4.00	65.29	\$66.64
Canby Bluegrass - Canbar	2.00	42.52	\$19.46
Mountain Brome - Bromar	8.00	12.86	\$35.60
Great Basin Wildrye - Magnar	4.00	16.25	\$46.20
Strawberry Clover (coated)	0.80	5.42	\$5.14
Sheep Fescue - Covar	6.00	93.66	\$32.16
Thickspike Wheatgrass - Critana	9.20	32.53	\$54.00
Prairie Junegrass	6.00	318.93	\$186.36

\$0.00

\$267.22

	Totals Seed Mix	40.00	587.45	\$445.57
Application				
Description				Cost /Acre
Broadcast seeding [DMG]				\$267.22

Total Seed Application Cost/Acre

MULCHING and MISCELLANEOUS

Materials

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

Application

Description	Cost /Acre
	\$
Total Mulch Application Cost/Acre	\$0.00

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: 1.39 Cost /Acre: \$911.85
Estimated Failure Rate: 0.25% Cost /Acre*: \$911.85
*Selected Replanting Work Items: TILLING, SEEDING

Initial Job Cost:
Reseeding Job Cost:
Total Job Cost:
Job Hours:

\$1,267.47

\$3.17

\$1,271

5.00

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: M	ob/Demob of Rec	lamation Equipm	ent	
Site: JJ Collecting Project #1	Permi	t Action: New Ap	pp Permit/	Job#: <u>M2018064</u>
PROJECT IDENTIFICAT	<u>ION</u>			
Task #: 005	State: C	Colorado	Abbreviation	n: None
Date: 3/11/2019	County: T	'eller	Filename	e: M064-005
User: ERR				
Agency or organization	on name: DRMS	S		
1-878		-		
EQUIPMENT TRANSPO	RT RIG COST			
			01:0.1	1 1
			Shift basis:	1 per day CRG Data
			Cost Data Source:	CRG Data
Truck Tractor Des	cription: GENI	ERIC ON-HIGHW	AY TRUCK TRACTOR, 6X	4, DIESEL POWERED,
			400 HP (2ND HALF, 2006)	
Truck Trailer Des	cription: C		IG GOOSENECK, DROP DI	~
		TR	AILER (25T, 50T, AND 100	T)
Cost Breakdown:				
	1	1		
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	Owner ship Cost/hr/ unit	Haul Rig Cost/hr/uni	Fleet Size	Haul Trip Cost/hr/	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
	(TONS)		t		fleet		
Cat D6T XL	25.01	\$56.50	\$88.67	1	\$145.17	\$88.67	\$250.00

\$125.45

\$117.55

Subtotals: \$145.17 \$88.67 \$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, 1 T. Crew	\$74.99	1	\$74.99	\$74.99

Subtotals: **\$74.99 \$74.99**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: COLORADO SPRINGS
Total one-way travel distance: 55.00 miles
Average Travel Speed: 55.00 mph

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

\$1,258.02

\$149.98

Transportation Cycle Time:

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	1.00	1.00
Return Time (Hours):	1.00	1.00
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	3.00	2.00

JOB TIME AND COST

Total job time:	6.00	Hours
Total job cost:	\$1,408	