COST SUMMARY WORK

Ta	ask description:	Summary of Reclamation T	asks			
ite:	Red Cone	Permit Action:	MD-01		Permit/Jo	bb#: P2014003
PR	OJECT IDENTIFIC	ATION				
	Task #: 000 Date: 8/13/2019	State: Colorado County: Park			Abbreviation: Filename:	None P003-000
	User: ERR				T Herianie.	1002 000
	Agency or organiz	ration name: DRMS				
<u>TA</u>	ASK LIST (DIRECT O	COSTS)				
ısk	Degarintian		Form	Fleet Size	Task Hours	Cost
)1	Description Plug and Abandon 2 B	Roreholes	Used BOREHOLE	1	62.40	\$25,359
2		ill Pads, Roads, and Replace	DOZER	1	1.83	\$290
)3	Revegetate Drill Pads	and Roads	REVEGE	1	1.00	\$169
4	Mob/Demob		MOBILIZE	1	8.10	\$4,076
	DIRECT COSTS (ERHEAD AND PROFIT	г.				
<u>U v</u>						2504
	Liability insurand Performance bor					6604 6314
	Job superintende					51,110
	Prof					52,989
				TOTAI		S5,017
		CONT	RACT AMOUNT	(direct +		534,911
LE	GAL - ENGINEERING -	- PROJECT MANAGEMENT	:			
	Financial warranty pro	cessing (legal/related costs):	\$0		Total = \$	60
		l/or contract/bid preparation:	4.25	_		51,484
	Reclamation manage	ement and/or administration:	5.00	_	\$	51,746
		CONTINGENCY:	3.00		Total =\$	8897
			TOTAL II	NDIRECT	ΓCOST =\$	89,144
			TOTAL ((direct + i	ndirect) =\$	539,038

TOTAL BOND AMOUNT (rounded) = \$39,000

BOREHOLE SEALING WORK

	Task description:	Plug and A	bandon 2 Boreh	oles		
Site:	Red Cone		Permit Action:	MD-01	Permit/.	Job#: <u>P2014003</u>
PROJE	ECT IDENTIFICATION	<u>ON</u>				
Task #	e: 001	State:	Colorado		Abbreviation:	None
Date	: 7/22/2019	County:	Park		Filename:	P003-001
User	: ERR	-			_	
	Agency or organi	zation name:	DRMS			

UNIT COSTS

Borehole	Sealing/Item Method					T1 *4	T
Description		Diameter	Length	Quantity	Unit	Unit Cost	Total Cost
Plug and Abandon	Portland cement grout (3	6000	66.00	bag	\$13.40	\$884.40
(2) 3" Dia. x 3000'	Bag, material cost						
	only94 lb. bag)						
Water Truck	Water Tanker, 2,500 Gal.	NA	NA	62.40	EA	\$48.11	\$3,002.06
Drill Rig	SCHRAMM T450WS	NA	NA	62.40	EA	\$343.09	\$21,408.82
Borehole Marker	Borehole	NA	NA	2.00	EA	\$32.00	\$64.00
	location/identification						
	marker (EA, material						
	cost only)						

Job Hours: 62.40 Total Cost: \$25,359.00

BULLDOZER WORK

Task description:	Regrade Mud Pi	ts, Drill Pac	ls, Roads, and Replace T	opsoil	
Red Cone	Per	mit Action:	MD-01	Permit/Job#:	P2014003
PROJECT IDENTI	FICATION				
Task #: 002	State:	Colorado		Abbreviation:	None
Date: 7/22/201		Park	-	Filename:	P003-002
User: ERR	z county.	Turk		Thename.	1003 002
Agency or org	ganization name:DF	RMS			
HOURLY EQUIPM	MENT COST				
	Cat D6T LGP				
Horsepower: 2	200				
Blade Type: S	Straight				
	S-shank ripper				
	per day				
Data Source:(CRG)		<u></u>		
Cost Breakdown:			1		
O		¢50.16	<u>Utilization %</u>		
Ownership Cost/Hour		\$59.16 \$50.06	NA 100		
Operating Cost/Hour Ripper own. Cost/Hour		\$6.80	NA		
Ripper op. Cost/Hour		\$1.17	25		
Operator Cost/Hour		\$41.24	NA		
Operator Cost/Hour		ΨΤ1.2Τ	INA		
Total unit Cost/Hour:	\$158.43				
Total Fleet Cost/Hour:	\$158.43				
MATERIAL QUAN	NTITIES				
Initial Volume: 25					
	330	_			
Loose volume: 33	33 LCY	<u></u> -			
Source of estimated vo Source of estimated sw					
HOURLY PRODU	CTION				
Average push distance:	50 feet	/1			
Unadjusted hourly produced Materials consistency of			etasknila 1 1		
Materials consistency of		Jonsonuated	stockpile 1.1		
Average push gradient: Average site altitude:	0 % 11,200 feet				
Material weight:	2,900 lbs/LCY			_	
Weight description:	Decomposed rock	- 50% Rock	, 50% Earth		
Job Condition Correcti			Source		
Operato	or Skill: 0.	750	(AVG.)		
Material consi		100	(CAT HB)		
Dozing r		000	(GEN.)		
Vi	sibility: 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:	0.793	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4083

Adjusted unit production: 181.53 LCY/hr
Adjusted fleet production: 181.53 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.873/LCY

Total job time: 1.83 Hours
Total job cost: \$290

REVEGETATION WORK

Task #: 003	Task description:	Revegetate Drill Pads a	nd Roads				
Task #: 003	: Red Cone	Permit Action: MD-01 Permit/Job#:					#: <u>P2014003</u>
Date: 7/22/2019 County: Park Filename: P003-003	PROJECT IDENTIF	FICATION					
Date: 7/22/2019 County: Park Filename: P003-003	Task #: 003	State: Color	ado		Ab	breviation:	None
DRMS DRMS							
Litting Litt	User: ERR						
Description	Agency or org	anization name: DRMS					
Description Units / Acre	FERTILIZING						
Description Acre Unit Cost / Unit Cost / Acre \$ Total Fertilizer Materials Cost / Acre \$ Description Cost / Acre \$ Total Fertilizer Application Cost / Acre \$ Total Tilling Cost / Acre \$1,437.48 EEDING Rate - PIS Seeds Cost / Acre	Materials						
Total Fertilizer Materials Cost/Acre \$0.00 pplication Description Total Fertilizer Application Cost/Acre \$0.00 ILLING Description Cost /Acre \$0.00 ILLING Total Fertilizer Application Cost/Acre \$0.00 ILLING Total Tilling Cost/Acre \$1,437.48 EEDING Rate - PIS Seeds Cost /Acre	Description			Unit	Cos	t / Unit	Cost /Acre
Materials Cost/Acre \$0.00					\$		\$
Cost /Acre \$					Tot	Materials	\$0.00
Total Fertilizer Application Cost/Acre \$0.00 ILLING Description Cost /Acre Hand raking (MEANS 32 91 13.23 0250) Total Tilling Cost/Acre \$1,437.48 EEDING Rate - PIS Seeds Cost /Acre	Description						Cost /Acre
Description Cost /Acro Hand raking (MEANS 32 91 13.23 0250) \$1,437.48 EEDING Rate - PLS Seeds Cost /Acro Seed Mix PLS Seeds Cost /Acro							\$
Cost /Acre Hand raking (MEANS 32 91 13.23 0250) \$1,437.48 Total Tilling Cost/Acre EEDING Rate - PLS Seeds Cost /Acre			Total	Fertilizer A	Applicatio	n Cost/Acre	\$0.00
Hand raking (MEANS 32 91 13.23 0250) \$1,437.48	<u> FILLING</u>						
Total Tilling Cost/Acre \$1,437.48 EEDING Rate - PLS Seeds Cost/Acre							Cost /Acre
EEDING Rate - PLS Seeds Cost /Acro	Hand raking (MEAN	(S 32 91 13.23 0250)					\$1,437.48
EEDING Rate - PLS Seeds Cost /Acro				Т	otal Tillin	ng Cost/Acre	\$1,437.48
Seed Mix PIS Seeds Cost /Acro	SEEDING						
Seed MIX PLS 1 BC / Per SQ. Cost /ACC	Caal Mi-					Soods	Cost /A ove
	Seed MIX						Cost /Acre
Acre FT					LBS /	per SQ. FT	

Application

Idaho Fescue

Tufted Hairgrass

Fringed Bromegrass - Native

Slender Wheatgrass - Native

Swamp (or Fowl) Bluegrass - Native

Reedgrass, Canadian (or Blue Joint)

\$106.25

\$54.22

\$35.53

\$11.56

\$762.19

\$27.56

\$997.31

6.25

6.25

3.75

2.50

3.75

2.50

25.00

Totals Seed Mix

11.48

315.66

385.67

143.48

912.76

47.35

9.13

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
		\$
	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 Stock Cost / Acre							

JOB TIME AND COST

No. of Acres: 0.05 Cost /Acre: \$2,702.01
Estimated Failure Rate: 25% Cost /Acre*: \$2,702.01
*Selected Replanting Work Items: TILLING,SEEDING

Initial Job Cost: \$135.10

Reseeding Job Cost: \$33.78

Total Job Cost: \$169

1.00

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: Mo	b/Demob			
e: Red Cone	Permi	t Action: MD-01	Permit/Jo	b#: P2014003
PROJECT IDENTIFICATI	<u>ION</u>			
Task #: 004	State: C	olorado	Abbreviation:	None
Date: 7/22/2019 User: ERR	County: P	ark	Filename:	P003-004
Agency or organization	n name: DRMS	S		
EQUIPMENT TRANSPOR	T RIG COST			
			Shift basis:	1 per day
			Cost Data Source:	CRG Data
Truck Tractor Desc	eription: GENI	ERIC ON-HIGHW	AY TRUCK TRACTOR, 6X4, 400 HP (2ND HALF, 2006)	DIESEL POWERED,
Truck Trailer Desc	eription:	GENERIC FOLDIN	NG GOOSENECK, DROP DEC	CK EQUIPMENT
		TR	AILER (25T, 50T, AND 100T))
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 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
Cat D6T LGP	28.63	\$65.96	\$123.81	1	\$189.77	\$123.81	\$250.00
SCHRAMM T450WS	0.00	\$113.31	\$67.39	1	\$180.70	\$67.39	\$250.00

\$141.54

\$123.81

Subtotals: \$370.47 \$191.20 \$500.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Water Tanker, 2,500 Gal.	\$48.11	1	\$48.11	\$48.11
Light Duty Pickup, 4x4, 1 T.	\$76.23	2	\$152.46	\$152.46
Crew				

Subtotals: \$200.57 \$200.57

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:

Total one-way travel distance:

Average Travel Speed:

DENVER

71.00
miles

40.00
mph

Transportation Cycle Time:

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	1.78	1.78
Return Time (Hours):	1.78	1.78
Loading Time (Hours):	0.25	NA
Unloading Time (Hours):	0.25	NA
Subtotals:	4.05	3.55

JOB TIME AND COST

Total job time:	8.10	Hours
Total job cost:	\$4,076	