COST SUMMARY WORK

Task description: Cost Summary

Site: Fork Horn Mesa Subdivision Permit Action: 2018 Update Permit/Job#: M2008044

PROJECT IDENTIFICATION

Task #: 000 State: Colorado Abbreviation: None

Date: 12/19/2018 County: La Plata Filename: M044-000

User: LJW

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Rough grade and rip 2 acres of affected land	DOZER	1	3.21	\$710.00
002	Revegetate 2 acres	REVEGE	1	6.00	\$1,298.00
004	Mobilize	MOBILIZE	1	3.20	\$1,000.00
		SUBTO	TALS:	12.41	\$3,008

INDIRECT COSTS

OVERHEAD AND PROFIT:

 Liability insurance:
 2.02
 Total = \$60.76

 Performance bond:
 1.05
 Total = \$31.58

 Job superintendent:
 0.00
 Total = \$0.00

Profit: 10.00 Total = \$300.80

TOTAL O & P = \$393.14 CONTRACT AMOUNT (direct + O & P) = \$3,401.14

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): 0.00 Total = 0.00

Engineering work and/or contract/bid preparation: 0.00 Total = \$0.00

Reclamation management and/or administration: 5.00 \$170.06

CONTINGENCY: 0.00 Total = 0.00

TOTAL INDIRECT COST = \$563.20

TOTAL BOND AMOUNT (direct + indirect) = \$3,571.20

BULLDOZER WORK

Task description:	Rough grade an	d rip 2 acres	of affected land		
E: Fork Horn Mesa Sul	bdivision Pe	rmit Action:	2018 Update	Permit/Jol	o#: <u>M2008044</u>
PROJECT IDENTIFI	<u>ICATION</u>				
Task #: 001 Date: 12/19/201 User: LJW	State:	Colorado La Plata		Abbreviation: Filename:	None M001-044
Agency or organ	nization name:DF	RMS			
HOURLY EQUIPME	NT COST				
	t D8T - 8SU	21.777	_		
Horsepower: 31			<u>-</u> 2		
	mi-Universal		_		
	shank ripper		⊒ ;		
	per day RG)	(n)	<u>-</u>		
Cost Breakdown:		1	_		
One washing Co. 1877		000.60	Utilization %		
Ownership Cost/Hour:	<u> </u>	\$93.62	NA 100	=====	
Operating Cost/Hour:	8:	\$73.35	100		
Ripper own. Cost/Hour:	·	\$8.93	NA		
Ripper op. Cost/Hour:		\$3.89	50		
Operator Cost/Hour:		\$41.52	NA		
MATERIAL QUANT Initial Volume: 1,61 Swell factor: 1.12	13	_			
	15 LCY				
Source of estimated volu	ımaı 2 aaras s	vg 6" deep			
Source of estimated voice Source of estimated swe factor:					
HOURLY PRODUCT	<u>'ION</u>				
Average push distance:	50 feet				
Unadjusted hourly production:	1,400.0 LC	Y/hr			
Materials consistency de	escription: Compa	cted fill or en	nbankment 0.9		
,					
Average push gradient:	0 %				
Average site altitude:	6,740 feet	_			
Material weight:	_2,550 lbs/LCY			_	
Weight description:	Earth - Dry packed	d			
Job Condition Correction	Factor		Source		

Operator Skill:	0.750	(AVG.)
Material consistency:	0.900	(CAT HB))
Dozing method:	1.000	(GEN.)
Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4043

Adjusted unit production:

566.02 LCY/hr

Adjusted fleet production:

566.02 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.391/LCY

Total job time: 3.21 Hours

Total job cost: \$710

REVEGETATION WORK

Task description: Revegetate 2 acres

Site: Fork Horn Mesa Subdivision Permit Action: 2018 Update Permit/Job#: M2008044

PROJECT IDENTIFICATION

Task #: 003 Colorado State: Abbreviation: None 12/19/2018 Date: Filename: M044-003

County: La Plata User: LJW

Agency or organization name: DRMS

FERTILIZING

Materials

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

Application

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

TILLING

Description		Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	-	\$106.29
	Total Tilling Cost/Acre	\$106.29

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Rye, Perennial Tetraploid - Aubisque	0.80	4.54	\$1.38
Orchardgrass - Paiute	3.32	41.16	\$12.32
Crested Wheatgrass - Fairway	2.50	11.48	\$8.55
Smooth Brome - Lincoln	4.00	13.31	\$17.44
Intermediate Wheatgrass - Oahe	4.00	8.54	\$15.72
Russian Wildrye - VNS	1.66	6.67	\$9.83
Totals Seed Mix	16.28	85.70	\$65.23

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
Herbicide - Curtail @ 4.0 pt/ac	1.00	ACRE	\$7.34	\$7.34
Total Mulch Materials Cost/Acre				\$7.34

Application

Description		Cost /Acre
Weed spray, truck, non-aquatic area, nox. [DMG]		\$73.22
	Total Mulch Application Cost/Acre	\$73.22

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
	-	Total	s Nursery Stoc	k Cost / Acre	\$0.00

JOB TIME AND COST

No. of Acres: 2

Cost /Acre: \$519.30

Cost /Acre*: \$413.01

Estimated Failure Rate: 25%
*Selected Replanting Work Items: SEEDING,MULCHING

Initial Job Cost: \$1,038.60

Reseeding Job Cost: \$206.51 Total Job Cost: \$1,245

Job Hours: 6.00

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description:

Mobilize

Site: Fork Horn Mesa Subdivision

Permit Action: 2018 Update

Permit/Job#: M2008044

PROJECT IDENTIFICATION

Task #: 004

State: County:

Colorado La Plata

Abbreviation: Filename: None

M044-004

Date: 12/19/2018 User: LJW

Agency or organization name: DRMS

EQUIPMENT TRANSPORT RIG COST

Shift basis:

1 per day

Cost Data Source:

CRG Data

Truck Tractor Description:

GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWERED,

400 HP (2ND HALF, 2006)

Truck Trailer Description:

GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT

TRAILER (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
Total Unit Cost/Hour:	\$88.67	\$117.55	\$125.45

NON ROADABLE EQUIPMENT:

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 D8T - 8SU	53.08	\$102.55	\$125.45	1	\$228.00	\$125.45	\$0.00
Drill/Broadcast	25.00	\$15.54	\$88.67	1	\$104.21	\$88.67	\$0.00
Seeder with							
Tractor							

Subtotals: \$332.21 \$214.12 \$0.00

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:

DURANGO
miles
40.00
mph

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

\$7.34

Transportation Cycle Time:

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	0.30	0.30
Return Time (Hours):	0.30	0.30
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.60	0.60

JOB TIME AND COST

Total job time:	3.20	_ Hours
Total job cost:	\$1,000	