# COST SUMMARY WORK

1	Task description:	Bond Estimate October 202	1			
Site:	Lombard #3	Permit Action:	2021 Bond Estin Revised	mate	Permit/Job	#: <u>M2020057</u>
<u>P</u>	ROJECT IDENTIFIC	ATION				
	Task #: 00R	State: Colorado	1		Abbreviation:	None No57 00D
	Date: 10/11/2021 User: PSH	County: Clear Cree	ek		Filename:	M057-00R
	Agency or organiz	zation name: DRMS				
<u>T</u>	ASK LIST (DIRECT (	COSTS)				
Tool			Form	Fleet	Task	
Task	Description		Used	Size	Hours	Cost
01R	Mob / Demob		MOBILIZE	1	20.57	\$2,302
02R	Backfill Adit		MINESEAL	1	16.00	\$1,954
03R	Revegetate 0.918 Acr		REVEGE	1	16.00	\$3,594
04R	Replace Topsoil 4-6"	- 0.918 Acres	DOZER	1	14.45	\$1,392
			<u>SUBTO</u>	TALS:	67.02	\$9,242
	NDIRECT COSTS	T.				
0	VERHEAD AND PROFI					
	Liability insuran					87
	Performance bo				$Total = \frac{\$9}{\$2}$	
	Job superintende					2,414
	Pro	fit: 10.00		TOTAI		24
		CONT	RACT AMOUNT			2,864
		CONT	KACI AMOUNI	(uncet +	$(\alpha_1) = \frac{1}{2}$	2,004
L	EGAL - ENGINEERING	- PROJECT MANAGEMENT	:			
	• •	ocessing (legal/related costs):		_	Total = \$0	
		d/or contract/bid preparation:	4.25	-	Total =  \$5	
	Reclamation manag	ement and/or administration:	5.00	-	_\$6	43
		CONTINGENCY:	0.00		Total = $\$0$	)
			TOTAL IN	DIRECT	T COST = <u>\$4</u>	,812
		TOTAL BO	ND AMOUNT (d	irect + in	ndirect) = <u>\$1</u>	4,000 (Rounded)

# EQUIPMENT MOBILIZATION/DEMOBILIZATION

Lombard #3		Permit	Action: 2021 Revise	Bond Estin ed		Permit/Job#: <u>M</u>	2020057
PROJECT IDE	NTIFICATI	ON					
Task #: 011	R	State: Co	olorado		Abbr	eviation: None	
Date: 10/ User: PS	/11/2021 H	County: Clo	ear Creek		F	ilename: M057	7-01R
Agency	or organization	n name: DRMS					
EQUIPMENT 1	<b>FRANSPOR</b>	<u>T RIG COST</u>					
					Shift ba	asis: 1 per da	v
				С	ost Data Sou		
		dintiana CENE					DOWEDED
Truc	k Tractor Desc	mpuon: GENE			2ND HALF,	OR, 6X4, DIESEI , 2006)	L POWERED,
	k Tractor Desc ek Trailer Desc	-	ENERIC FOLD	400 HP ( ING GOOS	2ND HALF, SENECK, DI	, 2006) ROP DECK EQU	
		-	ENERIC FOLD	400 HP ( ING GOOS	2ND HALF,	, 2006) ROP DECK EQU	
		-	ENERIC FOLD	400 HP ( ING GOOS	2ND HALF, SENECK, DI	, 2006) ROP DECK EQU	
Truc Cost Breakdown:	k Trailer Desc	-	ENERIC FOLD	400 HP ( ING GOOS TRAILER (	2ND HALF, SENECK, DI	, 2006) ROP DECK EQU	
Truc Cost Breakdown: Available Rig C	k Trailer Desc	ription: G	ENERIC FOLD T	400 HP ( ING GOOS 'RAILER ( 51+	(2ND HALF, SENECK, DI 25T, 50T, A)	, 2006) ROP DECK EQU	
Truc <u>Cost Breakdown:</u> Available Rig C Ownership	k Trailer Desc Capacities	0-25 Tons	ENERIC FOLD T 26-50 Tons	400 HP ( ING GOOS 'RAILER ( 51+ \$4'	2ND HALF, SENECK, DI 25T, 50T, A Tons	, 2006) ROP DECK EQU	
Truc <u>Cost Breakdown:</u> <u>Available Rig C</u> Ownership Operating Operator	ek Trailer Desc Capacities o Cost/Hour: g Cost/Hour: r Cost/Hour:	O-25 Tons       \$21.28	ENERIC FOLD T 26-50 Tons \$37.94	400 HP ( ING GOOS TRAILER ( 51+ \$4' \$50 \$20	2ND HALF, SENECK, DI 25T, 50T, A Tons 7.67 6.21 0.54	, 2006) ROP DECK EQU	
Truc <u>Cost Breakdown:</u> <u>Available Rig C</u> Ownership Operating Operator Helper	ck Trailer Desc Capacities o Cost/Hour: g Cost/Hour: r Cost/Hour: r Cost/Hour:	0-25 Tons       \$21.28       \$26.55       \$20.54       \$0.00	ENERIC FOLD T 26-50 Tons \$37.94 \$50.48 \$20.54 \$23.53	400 HP ( ING GOOS TRAILER ( 51+ \$4' \$50 \$22 \$22	2ND HALF, SENECK, DI 25T, 50T, A Tons 7.67 6.21 0.54 3.53	, 2006) ROP DECK EQU	
Truc <u>Cost Breakdown:</u> <u>Available Rig C</u> Ownership Operating Operator Helper	ek Trailer Desc Capacities o Cost/Hour: g Cost/Hour: r Cost/Hour:	0-25 Tons       \$21.28       \$26.55       \$20.54	ENERIC FOLD T 26-50 Tons \$37.94 \$50.48 \$20.54	400 HP ( ING GOOS TRAILER ( 51+ \$4' \$50 \$22 \$22	2ND HALF, SENECK, DI 25T, 50T, A Tons 7.67 6.21 0.54	, 2006) ROP DECK EQU	
Truc <u>Cost Breakdown:</u> <u>Available Rig C</u> Ownership Operating Operator Helpe Total Uni	ck Trailer Desc <b>Capacities</b> o Cost/Hour: g Cost/Hour: r Cost/Hour: r Cost/Hour: t Cost/Hour:	0-25 Tons       \$21.28       \$26.55       \$20.54       \$0.00       \$68.37	ENERIC FOLD T 26-50 Tons \$37.94 \$50.48 \$20.54 \$23.53	400 HP ( ING GOOS TRAILER ( 51+ \$4' \$50 \$22 \$22	2ND HALF, SENECK, DI 25T, 50T, A Tons 7.67 6.21 0.54 3.53	, 2006) ROP DECK EQU	
Truc <u>Cost Breakdown:</u> <u>Available Rig C</u> Ownership Operating Operator Helpe Total Uni	ck Trailer Desc <b>Capacities</b> o Cost/Hour: g Cost/Hour: r Cost/Hour: r Cost/Hour: t Cost/Hour:	0-25 Tons       \$21.28       \$26.55       \$20.54       \$0.00       \$68.37	ENERIC FOLD T 26-50 Tons \$37.94 \$50.48 \$20.54 \$23.53	400 HP ( ING GOOS TRAILER ( 51+ \$4' \$50 \$22 \$22	2ND HALF, SENECK, DI 25T, 50T, A Tons 7.67 6.21 0.54 3.53	, 2006) ROP DECK EQU ND 100T)	IPMENT DOT Permit
Truc <u>Cost Breakdown:</u> <u>Available Rig C</u> Ownership Operating Operator Helpe Total Uni NON ROADAB	k Trailer Desc <b>Capacities</b> o Cost/Hour: g Cost/Hour: r Cost/Hour: t Cost/Hour: t Cost/Hour: <b>SLE EQUIPN</b> Weight/ Unit	0-25 Tons       \$21.28       \$26.55       \$20.54       \$0.00       \$68.37	ENERIC FOLD T 26-50 Tons \$37.94 \$50.48 \$20.54 \$23.53 \$132.49 Haul Rig Cost/hr/uni	400 HP ( ING GOOS TRAILER ( 51+ \$4' \$50 \$20 \$22 \$14	2ND HALF, SENECK, DI 25T, 50T, A 7.67 6.21 0.54 3.53 7.95 Haul Trip Cost/hr/	, 2006) ROP DECK EQU ND 100T)	IPMENT
Truc <u>Cost Breakdown:</u> <u>Available Rig C</u> Ownership Operating Operator Helpe Total Uni NON ROADAB Machine	ck Trailer Desc capacities o Cost/Hour: g Cost/Hour: r Cost/Hour: r Cost/Hour: t Cost/Hour: BLE EQUIPN Weight/	0-25 Tons       \$21.28       \$26.55       \$20.54       \$0.00       \$68.37       MENT:       Owner ship	ENERIC FOLD T 26-50 Tons \$37.94 \$50.48 \$20.54 \$23.53 \$132.49 Haul Rig	400 HP ( ING GOOS TRAILER ( 51+ \$4' \$50 \$20 \$22 \$14 Fleet	2ND HALF, SENECK, DI 25T, 50T, Al 7.67 6.21 0.54 3.53 7.95 Haul Trip	, 2006) ROP DECK EQU ND 100T)	IPMENT DOT Permit

# **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:	DENVER 40.00 35.00	miles mph
Total Non-Roadable Mob/Demob Cost *	\$2,302.17	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$0.00	

Transportation Cycle Time:

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	1.14	1.14
Return Time (Hours):	1.14	1.14
Loading Time (Hours):	4.00	NA
Unloading Time (Hours):	4.00	NA
Subtotals:	10.29	2.29

#### JOB TIME AND COST

Total job time: **20.57** Hours

Total job cost: **\$2,302** 

# SAFEGUARDING UNDERGROUND OPENINGS

Site: L	ombard #3	Permit Action:	2021 Bond Estimate Revised	Permit	Job#:	M2020057
<u>ROJEC1</u>	<u> IDENTIFICAT</u>	ION				
Task #:	02R	State: Colorado	AI	bbreviation:	None	
Date: User:	10/11/2021 PSH	County: Clear Creek		Filename:	M057	7-02R

# **UNIT COSTS**

<b>Opening Description</b>	Dimensions	Closure Method	Quantity	Unit	Unit Cost	Total Cost
Lombard #3	6x6	Adit closure - backfilling (per cu. yd.)	75.00	СҮ	\$25.00	\$1,875.00
Drive equipment to/from site on Cumberland Gulch Road	6200'	CAT 246C	1.00	EA	\$78.99	\$78.99

Job Hours: 16.00

Total Cost: \$1,953.99

# **REVEGETATION WORK**

e: Lombard	#3	Pe	rmit Action:	2021 Bond Estimate Revised	Permit/Jo	b#: <u>M2020057</u>
PROJECT Task #: Date: User:	1DENTIFIC 03R 10/11/2021 PSH	ATION State: County:	Colorado Clear Creel	k	Abbreviation: Filename:	None M057-03R

# **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	<b>40.00</b>
Total Fertilizer Application Cost/Acre	\$0.00

# **TILLING**

Description		Cost /Acre
Hand raking (MEANS 32 91 13.23 0250)		\$1,546.38
Weed control spraying (MEANS 31 31 16.13 3100)		\$290.40
	<b>Total Tilling Cost/Acre</b>	\$1,836.78

#### **SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Elk Sedge	2.90	6.66	\$1,249.90
Idaho Fescue	0.80	10.10	\$7.58
Locoweed, Showy	0.25	0.72	\$17.38
Parry's Oatgrass	2.00	4.13	\$44.00
Prairie Junegrass	0.15	7.97	\$3.90
Spike Muhly	0.23	8.45	\$2.23
		38.03	\$1,324.99

Totals Seed Mix 6.33

#### 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
			\$	\$
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 2	Nursery Stoc	k Cost / Acre	\$0.00

#### JOB TIME AND COST

Estimate *Selected Replantin	No. of Acres: d Failure Rate: g Work Items:	30%	Cost /Acre: Cost /Acre*:	
Initial Job Cost: _ Reseeding Job Cost: _ Total Job Cost: _ Job Hours: _	\$439.45 \$3,594			

# BULLDOZER WORK

Task description:	Replace Topsoil 4-6" - 0.918	Acres		
ite: Lombard #3	Permit Action:	2021 Bond Estimate Revised	Permit/Job	o#: <u>M2020057</u>
PROJECT IDENTIFICA	TION			
Task #: 04R   Date: 10/11/2021   User: PSH	State: Colorado County: Clear Creel	<u>x</u>	Abbreviation: Filename:	None M057-04R
Agency or organizat	ion name: DRMS			
HOURLY EQUIPMENT	<u>COST</u>			
Horsepower: 74	K XL - 3P Angle Tilt ay	- - - -		
Cost Breakdown:		Utilization %		
Ownership Cost/Hour: Operating Cost/Hour:	\$27.67 \$27.39	<u>NA</u> 100		
Ripper own.	\$0.00	NA		
Cost/Hour: Ripper op. Cost/Hour:	\$0.00	0		
Operator Cost/Hour:	\$41.30	NA		
Total Fleet Cost/Hour: <u>\$9</u> <u>MATERIAL QUANTITII</u> Initial Volume: 740	96.36 <u>ES</u>			
Swell factor:1.000Loose volume:740 LCY	Y			
Source of estimated volume: Source of estimated swell factor:	Cat Handbook	on, Mining & Safety		
HOURLY PRODUCTION				
Average push distance: Unadjusted hourly production:	100 feet 100.0 LCY/hr			
Materials consistency descrip	ption: Loose stockpile 1.2			
Average push5gradient:	% 1,400 feet			
	600 lbs/LCY			
	op Soil			
Job Condition Correction Fact	•	Source		

Task # 04R

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:	0.600	(FND-SF)
Push gradient:	0.903	(CAT HB)
Altitude:	0.880	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.5122

Adjusted unit production:	51.22 LCY/hr
Adjusted fleet production:	<b>51.22</b> LCY/hr

#### JOB TIME AND COST

Fleet size:	1 Dozer(s)
Unit cost:	\$1.881/LCY

Total job time:	<b>14.45</b> Hours
Total job cost:	\$1,392