COST SUMMARY WORK

Т	ask description:	2021 Bone	d Estimate					
Site:	Lombard #3		Permit Action:	2021 Bond Est	imate	Permit	/Job#:	M2020057
PF	ROJECT IDENTIFI	CATION						
	Task #: 000	2	State: Colorado		,	Abbreviatio	n: I	None
	Date: 9/16/2021		unty: Clear Cree	ek		Filenam		M057-000
	User: PSH							
	Agency or organ	ization name	: DRMS					
<u>T</u> A	ASK LIST (DIRECT	COSTS)						
Fask				Form	Fleet	Task		
	Description			Used	Size	Hours		Cost
001	Mob / Demob			MOBILIZE	1	20.57		\$2,302
002	Backfill Adit			MINESEAL	1	16.00		\$5,079
03	Revegetate 2.0 Acres			REVEGE	1	16.00		\$7,813 \$2,487
04	Replace Topsoil 4-6'	- 2.0 Acres		DOZER	1	25.81		\$2,487
				CLIDT	OTALS:	78	3.38	\$17,681
				<u></u>				
<u>0\</u>	ERHEAD AND PROF	nce: 2.02				Total =	\$35	
	Performance be					Total =	\$18	
	Job superintend					Total =	\$2,8	
	Pr	ofit: 10.00)		TOTAL	Total =	\$1,7	
			CONT	RACT AMOUNT		L O & P = O & O & O & O & O & O & O & O & O & O	\$5,1 \$22.	
			CONT	KACI AMOUNI	(unect +	$(0 \alpha r) =$	\$ZZ;	,015
LE	GAL - ENGINEERING	- PROJECT	MANAGEMENT	:				
	Financial warranty pr	ocessing (leg	gal/related costs):	\$0		Total =	\$0	
	Engineering work an			4.25		Total =	\$97	
	Reclamation manage	gement and/o	or administration:	5.00	_		\$1,1	41
		C	ONTINGENCY:	0.00		Total =	\$0	
				TOTAL I	NDIRECT	ΓCOST =	\$7,2	244
			TOTAL BO	ND AMOUNT (direct + iı	ndirect) =	<u>\$2</u> 5,	,000 (Rounded)

EQUIPMENT MOBILIZATION/DEMOBILIZATION

: <u>L</u> a	ombard #3		Permit	Action: 2021	Bond Estir	nate]	Permit/Job#:	M2020057
PRO.	JECT ID	ENTIFICATI	ON					
Т	'ask #: 00	01	State: Co	olorado		Abbre	eviation: 1	None
	Date: 9/	16/2021	County: Cl	ear Creek		Fi	ilename: I	M057-001
	User: Pa	SH						
	Agency	or organizatio	n name: DRMS					
EQU	IPMENT	TRANSPOR	T RIG COST					
						Shift ba	sis: 1 p	er day
					C	Cost Data Sour		G Data
	Tru	ck Tractor Desc	rintion GENE	RI(`()N_HI(+H)			$\mathbf{N} = \mathbf{A} \mathbf{X} / \mathbf{I} \mathbf{N}$	
	Tru	ck Tractor Desc	ription: GENE	RIC ON-HIGH				ESEL POWERED,
			·		400 HP	(2ND HALF,	2006)	
		ck Tractor Desc ck Trailer Desc	·	ENERIC FOLD	400 HP ING GOO	(2ND HALF, SENECK, DF	2006) ROP DECK 1	
	Tru	ick Trailer Desc	·	ENERIC FOLD	400 HP ING GOO	(2ND HALF,	2006) ROP DECK 1	
<u>Cost E</u>		ick Trailer Desc	·	ENERIC FOLD	400 HP ING GOO	(2ND HALF, SENECK, DF	2006) ROP DECK 1	
	Tru <u>Breakdown:</u> i ilable Rig	ick Trailer Desc Capacities	·	ENERIC FOLD	400 HP DING GOO FRAILER	(2ND HALF, SENECK, DF	2006) ROP DECK 1	
	Tru <u>Breakdown:</u> i ilable Rig	ck Trailer Desc	ription: G	ENERIC FOLD 1	400 HP PING GOO FRAILER 51+	(2ND HALF, SENECK, DF (25T, 50T, AN	2006) ROP DECK 1	
	Tru <u>Breakdown:</u> illable Rig Ownersh Operatin	ick Trailer Desc Capacities ip Cost/Hour: ng Cost/Hour:	ription: G	ENERIC FOLD	400 HP PING GOO FRAILER (51+ \$4	(2ND HALF, SENECK, DF (25T, 50T, AN	2006) ROP DECK 1	
	Tru Breakdown: i ilable Rig Ownersh Operatin Operat	ick Trailer Desc Capacities ip Cost/Hour: ig Cost/Hour: or Cost/Hour:	0-25 Tons \$21.28 \$26.55 \$20.54	ENERIC FOLD 7 26-50 Tons \$37.94 \$50.48 \$20.54	400 HP PING GOO FRAILER (51+ \$4 \$5 \$2	(2ND HALF, SENECK, DF (25T, 50T, AN 7.67 6.21 0.54	2006) ROP DECK 1	
	Tru Breakdown: ilable Rig Ownersh Operatin Operat Help	ck Trailer Desc Capacities ip Cost/Hour: ng Cost/Hour: or Cost/Hour: er Cost/Hour:	0-25 Tons \$21.28 \$26.55 \$20.54 \$0.00	ENERIC FOLD 7 26-50 Tons \$37.94 \$50.48 \$20.54 \$23.53	400 HP PING GOO FRAILER (51+ \$4 \$5 \$2 \$2 \$2 \$2	(2ND HALF, SENECK, DF (25T, 50T, AN 7.67 6.21 0.54 3.53	2006) ROP DECK 1	
	Tru Breakdown: ilable Rig Ownersh Operatin Operat Help	ick Trailer Desc Capacities ip Cost/Hour: ig Cost/Hour: or Cost/Hour:	0-25 Tons \$21.28 \$26.55 \$20.54	ENERIC FOLD 7 26-50 Tons \$37.94 \$50.48 \$20.54	400 HP PING GOO FRAILER (51+ \$4 \$5 \$2 \$2 \$2 \$2	(2ND HALF, SENECK, DF (25T, 50T, AN 7.67 6.21 0.54	2006) ROP DECK 1	
	Tru Breakdown: ilable Rig Ownersh Operatin Operat Help	ck Trailer Desc Capacities ip Cost/Hour: ng Cost/Hour: or Cost/Hour: er Cost/Hour:	0-25 Tons \$21.28 \$26.55 \$20.54 \$0.00	ENERIC FOLD 7 26-50 Tons \$37.94 \$50.48 \$20.54 \$23.53	400 HP PING GOO FRAILER (51+ \$4 \$5 \$2 \$2 \$2 \$2	(2ND HALF, SENECK, DF (25T, 50T, AN 7.67 6.21 0.54 3.53	2006) ROP DECK 1	
Ava	Tru Breakdown: ilable Rig Ownersh Operati Operati Help Total Ur	ck Trailer Desc Capacities ip Cost/Hour: ng Cost/Hour: or Cost/Hour: er Cost/Hour:	0-25 Tons \$21.28 \$26.55 \$20.54 \$0.00 \$68.37	ENERIC FOLD 7 26-50 Tons \$37.94 \$50.48 \$20.54 \$23.53	400 HP PING GOO FRAILER (51+ \$4 \$5 \$2 \$2 \$2 \$2	(2ND HALF, SENECK, DF (25T, 50T, AN 7.67 6.21 0.54 3.53	2006) ROP DECK 1	
Ava	Tru Breakdown: iilable Rig Ownersh Operatii Operat Help Total Ur	Capacities ip Cost/Hour: ig Cost/Hour: or Cost/Hour: er Cost/Hour: it Cost/Hour: bit 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 \$132.49	400 HP PING GOO TRAILER (51+ \$4 \$5 \$2 \$2 \$2 \$1 \$1	(2ND HALF, SENECK, DF (25T, 50T, AN 7.67 6.21 (0.54 (3.53) 47.95	2006) ROP DECK I ND 100T)	EQUIPMENT
Ava NON Mac	Tru Breakdown: iilable Rig Ownersh Operatin Operat Help Total Ur ROADA	Capacities ip Cost/Hour: ig Cost/Hour: or Cost/Hour: er Cost/Hour: it Cost/Hour: bit Cost/Hour: BLE EQUIPI	0-25 Tons \$21.28 \$26.55 \$20.54 \$0.00 \$68.37 MENT: Owner ship	ENERIC FOLD 7 26-50 Tons \$37.94 \$50.48 \$20.54 \$23.53 \$132.49 Haul Rig	400 HP ING GOO FRAILER (51+ \$4 \$5 \$2 \$2 \$2 \$14 Fleet	(2ND HALF, SENECK, DF (25T, 50T, AN 7.67 6.21 0.54 3.53 47.95 Haul Trip	2006) ROP DECK ND 100T)	EQUIPMENT
Ava NON Mac	Tru Breakdown: iilable Rig Ownersh Operatii Operat Help Total Ur	Capacities ip Cost/Hour: or Cost/Hour: or Cost/Hour: er Cost/Hour: hit Cost/Hour: bit Cost/Hour: BLE EQUIP! Weight/ Unit	0-25 Tons \$21.28 \$26.55 \$20.54 \$0.00 \$68.37	ENERIC FOLD 7 26-50 Tons \$37.94 \$50.48 \$20.54 \$23.53 \$132.49 Haul Rig Cost/hr/uni	400 HP PING GOO TRAILER (51+ \$4 \$5 \$2 \$2 \$2 \$1 \$1	(2ND HALF, SENECK, DF (25T, 50T, AN 7.67 6.21 0.54 3.53 47.95 Haul Trip Cost/hr/	2006) ROP DECK I ND 100T)	EQUIPMENT
Ava NON Mac Desc	Tru Breakdown: ilable Rig Ownersh Operatin Operatin Operatin Total Ur Total Ur ROADA	Capacities ip Cost/Hour: or Cost/Hour: or Cost/Hour: er Cost/Hour: hit Cost/Hour: bit Cost/Hour: BLE EQUIPI Weight/ Unit (TONS)	0-25 Tons \$21.28 \$26.55 \$20.54 \$0.00 \$68.37 MENT: Owner ship Cost/hr/ unit	ENERIC FOLD 7 26-50 Tons \$37.94 \$50.48 \$20.54 \$23.53 \$132.49 Haul Rig Cost/hr/uni t	400 HP FING GOO FRAILER 51+ \$4 \$5 \$2 \$2 \$2 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1	(2ND HALF, SENECK, DF (25T, 50T, AN 7.67 6.21 0.54 3.53 47.95 Haul Trip Cost/hr/ fleet	2006) ROP DECK ND 100T) Return Tr. Cost/hr/ fl	EQUIPMENT ip DOT Permit eet Cost/ fleet
Ava NON Mac Desc	Tru Breakdown: iilable Rig Ownersh Operatin Operat Help Total Ur ROADA	Capacities ip Cost/Hour: or Cost/Hour: or Cost/Hour: er Cost/Hour: hit Cost/Hour: bit Cost/Hour: BLE EQUIP! Weight/ Unit	0-25 Tons \$21.28 \$26.55 \$20.54 \$0.00 \$68.37 MENT: Owner ship	ENERIC FOLD 7 26-50 Tons \$37.94 \$50.48 \$20.54 \$23.53 \$132.49 Haul Rig Cost/hr/uni t \$68.37	400 HP ING GOO FRAILER (51+ \$4 \$5 \$2 \$2 \$2 \$14 Fleet	(2ND HALF, SENECK, DF (25T, 50T, AN 7.67 6.21 0.54 3.53 47.95 Haul Trip Cost/hr/	2006) ROP DECK ND 100T)	EQUIPMENT ip eet DOT Permit Cost/ fleet \$250.00

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

Transportation Cycle Time:

	Non- Roadable Equipment	Roadable 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	Permit/J	lob#: <u>M2020057</u>
ROJEC	<u> FIDENTIFICAT</u>	<u>'ION</u>				
Task #:	002	State:	Colorado	Ab	breviation:	None
Date:	9/16/2021	County:	Clear Creek		Filename:	M057-002
	PSH		-		=	

UNIT COSTS

Opening Description	Dimensions	Closure Method	Quantity	Unit	Unit Cost	Total Cost
Lombard #3	6x6	Adit closure - backfilling (per cu. yd.)	200.00	CY	\$25.00	\$5,000.00
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: \$5,078.99

REVEGETATION WORK

Task description:		Revegetate 2.0 A	cres			
ite: Lombar	d #3	Per	mit Action:	2021 Bond Estimate	Permit/Job	#: M2020057
PROJECT	IDENTIFIC	CATION				
Task #: Date:	003 9/16/2021	State: County:	Colorado Clear Creel	<u>k</u>	Abbreviation: Filename:	None M057-003
User:	PSH					

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
Hand raking (MEANS 32 91 13.23 0250)		\$1,546.38
Weed control spraying (MEANS 31 31 16.13 3100)		\$290.40
Г	Sotal Tilling Cost/Acre	\$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
Totals Seed Mix	6.33	38.03	\$1,324.99

Application

Description Broadcast seeding [DMG]		Cost /Acre \$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 Applicat	tion Cost/Acre \$0.00

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
		Totals	Nursery Stoc	ck Cost / Acre	\$0.00

JOB TIME AND COST

No. of Acres:	2	Cost /Acre:	\$3,428.99
Estimated Failure Rate:	30%	Cost /Acre*:	\$1,592.21
*Selected Replanting Work Items:	SEEDING		
Initial Job Cost: \$6,857.98			

Initial Job Cost.	\$0,057.90
Reseeding Job Cost:	\$955.33
Total Job Cost:	\$7,813
Job Hours:	16.00

BULLDOZER WORK

		Permit Action:	2021 Bond Estimate	Permit/Jo	b#: <u>M202005</u>
ROJECT IDENTIFI	CATION				
Task #: 004	State	: Colorado		Abbreviation:	None
Date: 9/16/2021	County	: Clear Creel	k	Filename:	M057-004
User: PSH					
Agency or organ	nization name:	DRMS			
IOURLY EQUIPME					
	t D3K XL - 3P		_		
Horsepower: 74	A		_		
Blade Type: Por Attachment: NA	wer Angle Tilt		_		
	ber day		_		
_	RG)		_		
			_		
ost Breakdown:		1	TT:'1' or		
		ФОЛ /Л	<u>Utilization %</u>		
Ownership Cost/Hour:		\$27.67	<u>NA</u>		
Operating Cost/Hour: Ripper own.		\$27.39	100		
Cost/Hour:		\$0.00	NA		
Ripper op. Cost/Hour:		\$0.00	0		
Operator Cost/Hour:		\$41.30	NA		
Total unit Cost/Hour:	\$96.36				
IATERIAL OUANT	ITIES				
Initial Volume: 1,32 Swell factor: 1.00	22				
Initial Volume:1,32Swell factor:1.00Loose volume:1,32	22 00 22 LCY				
Initial Volume: 1,32 Swell factor: 1.00 Loose volume: 1,32 Source of estimated volu	22 00 22 LCY 1me: Divisio		on, Mining & Safety		
Initial Volume: 1,32 Swell factor: 1.00 Loose volume: 1,32 Source of estimated volu Source of estimated swe	22 00 22 LCY 1me: Divisio	on of Reclamation	on, Mining & Safety		
Initial Volume: 1,32 Swell factor: 1.00 Loose volume: 1,32 Source of estimated volu	22 00 22 LCY 1me: Divisio		on, Mining & Safety		
Initial Volume: 1,32 Swell factor: 1.00 Loose volume: 1,32 Source of estimated volu Source of estimated volu Source of estimated swe factor:	22 00 22 LCY 11 Divisio 11 Cat Ha		on, Mining & Safety		
Initial Volume: 1,32 Swell factor: 1.00 Loose volume: 1,32 Source of estimated volu Source of estimated volu Source of estimated swe factor: IOURLY PRODUCT	22 00 22 LCY 11me: Divisio 11 Cat Ha 		on, Mining & Safety		
Initial Volume: 1,32 Swell factor: 1.00 Loose volume: 1,32 Source of estimated volu Source of estimated volu Source of estimated swe factor: IOURLY PRODUCT Average push distance:	22 00 22 LCY 11 Divisio 11 Cat Ha 	ndbook	on, Mining & Safety		
Initial Volume: 1,32 Swell factor: 1.00 Loose volume: 1,32 Source of estimated volu Source of estimated volu Source of estimated swe factor: IOURLY PRODUCT	22 00 22 LCY 11me: Divisio 11 Cat Ha 	ndbook	on, Mining & Safety		
Initial Volume: 1,32 Swell factor: 1.00 Loose volume: 1,32 Source of estimated volu Source of estimated volu Source of estimated swe factor: IOURLY PRODUCT Average push distance: Unadjusted hourly	22 00 22 LCY 111 Division Cat Ha 	ndbook	on, Mining & Safety 		
Initial Volume: 1,32 Swell factor: 1,00 Loose volume: 1,32 Source of estimated volu Source of estimated volu Source of estimated swe factor: IOURLY PRODUCT Average push distance: Unadjusted hourly production: Materials consistency de	22 00 22 LCY 111 Division 11 Cat Ha 	ndbook CY/hr	on, Mining & Safety 		
Initial Volume: 1,32 Swell factor: 1.00 Loose volume: 1,32 Source of estimated volu Source of estimated volu Source of estimated swe factor: IOURLY PRODUCT Average push distance: Unadjusted hourly production: Materials consistency de Average push	22 00 22 LCY 111 Division Cat Ha 	ndbook CY/hr	on, Mining & Safety 		
Initial Volume: 1,32 Swell factor: 1.00 Loose volume: 1,32 Source of estimated volu Source of estimated swe factor: IOURLY PRODUCT Average push distance: Unadjusted hourly production: Materials consistency de Average push gradient:	22 00 22 LCY 11 Cat Ha 2100 	ndbook CY/hr	on, Mining & Safety 		
Initial Volume: 1,32 Swell factor: 1.00 Loose volume: 1,32 Source of estimated volu Source of estimated volu Source of estimated swe factor: IOURLY PRODUCT Average push distance: Unadjusted hourly production: Materials consistency de Average push	22 00 22 LCY 111 Division 11 Cat Ha 	ndbook CY/hr	on, Mining & Safety 		
Initial Volume: 1,32 Swell factor: 1.00 Loose volume: 1,32 Source of estimated volu Source of estimated swe factor: IOURLY PRODUCT Average push distance: Unadjusted hourly production: Materials consistency de Average push gradient:	22 00 22 LCY 11 Cat Ha 2100 	ndbook CY/hr	on, Mining & Safety 		
Initial Volume: 1,32 Swell factor: 1.00 Loose volume: 1,32 Source of estimated volu Source of estimated swe factor: IOURLY PRODUCT Average push distance: Unadjusted hourly production: Materials consistency de Average push gradient: Average site altitude:	22 00 22 LCY 111 Division 111 Cat Ha Cat Ha 100 feet 100.0 LC escription: Loo 5 % 11,400 feet	ndbook CY/hr	on, Mining & Safety		
Initial Volume: 1,32 Swell factor: 1,00 Loose volume: 1,32 Source of estimated volu Source of estimated swe factor: IOURLY PRODUCT Average push distance: Unadjusted hourly production: Materials consistency de Average push gradient: Average site altitude: Material weight:	22 00 22 LCY 100 11 Cat Ha Cat Ha 100 feet 100.0 LC 25 % 11,400 feet 1,600 lbs/LCY Top Soil	ndbook CY/hr	on, Mining & Safety		

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)
C		
Net correction:	0.5122	

Adjusted unit production:	51.22 LCY/hr
Adjusted fleet production:	51.22 LCY/hr

JOB TIME AND COST

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

Total job time:	25.81 Hours
Total job cost:	\$2,487