

November 14, 2023

Jim Doody Kilgore Companies LLC dba Elam Construction 556 Struthers Ave Grand Junction, CO 81501

RE: East Douglas Pit, Permit No. M-1987-103, Proposed Surety Increase SI-2

Dear Mr. Doody:

This reclamation cost update was in response to the site inspection conducted on October 24, 2023. It is Division policy to periodically update its costs to ensure that the Financial Warranty adequately, reflects the actual current cost of fulfilling the requirements of the approved reclamation plan.

The bond was last adjusted in 2010 with SI-1. Below is a table summarizing input values. This table does not account for price changes resulting from inflation or other RS Means cost changes. Bond calculations are based on a combination of field observations and worst case scenario based on the approved reclamation plan.

Task	Form Used	Description
01a	Dozer	Site grading = 1804 CY @ 100' Push w/ D7 Backfill 200 LF x 10'H vertical to 3H: 1V = 1,111 CY Cut/fill SE berm 1300 LF x 4' 1H:1V = 193 CY Misc. stockpile and general blending = 500 CY
02a	Ripper	Decompact 4 ac main pit floor w/ D7
03a	Loader	Transport topsoil to upper benches approx. 3 ac @ 6" = 2,420 LCY, max 700 LF haul w/ 966 loader
03b	Dozer	Spread topsoil 7 ac @6" = 5,647 LCY, avg push 150' w/ D7
04a	Reveg	Reseed 7 ac with 40% failure



		Fertilizer, disk, drill seed, power mulch and crimp, weed spray
05a	Mob	Initial Mobilization
05b	Mob	Secondary Mobilization

Per policy I wanted to send this out for review prior to issuance. Please look it over and let me know if there are errors or concerns. If no response is received by Monday, December 18, 2023 then I'll issue SI-2 as is. SI-2 will result in a total required bond amount of \$48,540, which is an increase of \$10,312.33 over the \$38,227.67 currently held.

Sincerely,

Amy Yeldell

Environmental Protection Specialist

Amy Geldell

Ec:

Travis Marshall, Senior EPS, Grand Junction DRMS James Roberts, BLM

COST SUMMARY WORK

Т	ask description: Pe	ost inspection Update				
Site:	East Douglas Pit	Permit Action:	2023		Permit/Job#	#: <u>M1987103</u>
PI	ROJECT IDENTIFICAT	<u> TION</u>				
	Task #: ACY Date: 11/13/2023 User: ACY	State: Colorado County: Rio Blanco)	A	Abbreviation: _ Filename: _	None M103-ACY
	Agency or organization	on name: DRMS				
<u>T</u> A	ASK LIST (DIRECT CO	OSTS)				
Task	Description		Form Used	Fleet Size	Task Hours	Cost
)1a	Regrade Pit Highwalls - 0	Contouring	DOZER	1	8.28	\$2,053
)2a	Decompact Pit Floor		RIPPER	1	7.46	\$1,956
13a	Carry topsoil to benches		LOADER	1	21.82	\$3,371
3b	Grade topsoil over re-gra	ded areas	DOZER	1	16.79	\$4,164
)4a	Revegetation of 7 acres of	disturbance	REVEGE	1	16.00	\$18,080
)5a	Initial Mobilization		MOBILIZE	1	4.66	\$5,033
)5b	Secondary Mobilization		MOBILIZE	1	4.66	\$2,187
			SUBTO	OTALS:	79.67	\$36,844
'	IDIRECT COSTS VERHEAD AND PROFIT:					
	Liability insurance:	2.02			Total = \$74	14
	Performance bond:	1.05			Total = \$33	37
	Job superintendent:	20.00				302
	Profit:	10.00				684
						117
		CONTR	RACT AMOUNT	(direct +	$O \& P = _{\$42}$	2,961
LE	GAL - ENGINEERING - PI	ROJECT MANAGEMENT:				
	2 2	ssing (legal/related costs): contract/bid preparation: ent and/or administration:	\$500 4.25 5.00	 		00 826 148
		CONTINGENCY:	3.00		Total =\$1,	105

TOTAL INDIRECT COST = \$11,696

TOTAL BOND AMOUNT (direct + indirect) = \$_\$48,540

BULLDOZER WORK

Task description:	Regrade Pit Hig	nwalls - Conto	uring		
: East Douglas Pit	Per	mit Action: _2	023	Permit/Job#:	M1987103
PROJECT IDENTI	FICATION				
Task #: 01A	State:	Colorado		Abbreviation:	None
Date: 11/13/20		Rio Blanco		Filename:	M103-01a
User: ACY	23 County.	Kio Bianco		Thename.	W1103-01a
Agency or org	ganization name:DI	RMS			
HOURLY EQUIPM	MENT COST				
	Cat D7R DS XR Series	<u>II</u>			
	40				
J1	Semi-Universal				
	NA .				
	per day				
Data Source:(CRG)				
Cost Breakdown:					
			<u>Utilization %</u>		
Ownership Cost/Hour		\$114.76	NA		
Operating Cost/Hour		\$91.98	100		
Ripper own. Cost/Hour		\$0.00	NA		
Ripper op. Cost/Hour		\$0.00	0		
Operator Cost/Hour	r:	\$41.30	NA		
Total unit Cost/Hour:	\$248.04				
Total Fleet Cost/Hour:	\$248.04 \$248.04				
Total Tiect Cost/Hour.	Ψ240.04				
MATERIAL QUAN	NTITIES				
	<u></u>				
	804				
	165				
Loose volume: 2,	102 LCY				
Source of estimated vo	lume: Division	of Reclamation	, Mining & Safety		
Source of estimated sw			/		
HOURLY PRODU	CTION				
Average push distance:					
Unadjusted hourly produced	duction: 714.3 LCY	'hr			
Materials consistency of	lescription: Compa	cted fill or emb	eankment 0.9		
Average push gradient:	0 %				
Average push gradient: Average site altitude:	6,000 feet				
Average site attitude:	0,000 1001				
Material weight:	2,900 lbs/LCY			<u> </u>	
Weight description:	Decomposed rock	- 50% Rock, 5	0% Earth		
Job Condition Correcti	on Factor		Source		
Operate		750	(AVG.)		
Material cons		900	(CAT HB))		
Dozing r		000	(GEN.)		
		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: 0.3554

Adjusted unit production: 253.86 LCY/hr
Adjusted fleet production: 253.86 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.977/LCY

Total job time: 8.28 Hours \$2,053

BULLDOZER RIPPING WORK

	Task description:	Decompact Pit Floo	r		
Site	: _East Douglas P	lit Permit	Action: 2023	Permit/Job#	: <u>M1987103</u>
	PROJECT IDE	NTIFICATION			
	Task #: 02A Date: 11/1 User: ACY	3/2023 County: F	Colorado Rio Blanco	Abbreviation: Filename:	None M103-02a
		or organization name: DRM	S		
	• •	IPMENT COST			
		fachine: Cat D7R DS XR Se	ories II	Horsepower:	240
	Ripper Atta			Shift Basis: 1	per day (CRG)
	Cost Breakdown:			1	
		Ownership Cost/Hour:	\$114.76	Utilization % NA	
		Operating Cost/Hour:	\$91.98	100	
		Ownership Cost/Hour:	\$9.06	NA	
	Rippe		\$5.02	100	
		Operator Cost/Hour: Total Unit Cost/Hour:	\$41.30 \$262.12	NA	
				_	
	151 555 555	Total Fleet Cost/Hour:	\$262.12	_	
	MATERIAL Q		Selected estimation	ng method: Area	
	Alternate Methods	<u>::</u>			
Seismic:	NA	Bank V		BCY	NA
Area:	4.00	acres Rip Dep	· · · · · · · · · · · · · · · · · · ·	Volume:12,907	BCY or CCY
		Source of estimated quantity:	Staff estimates		
	HOURLY PRO	<u>DUCTION</u>			
	Seismic:				
		Seismic Velocity	y: NA	feet/second	
	Area:				
		Average Ripping Deptl		feet/pass	
		Average Ripping Widtl		feet/pass	
		Average Ripping Lengtl Average Dozer Speed		feet/pass feet/minute	
		Average Maneuver Time		minutes/pass	
		Production per unit area		acres/hour	
	Job Condition Cor	rection Factors			
	Una	djusted Hourly Unit Production	n:0.646	Acres/hr	
		Site Altitude	e:600	feet	
		Altitude Ad		(CAT HB)	
		Job Efficiency		(1 shift/day)	
		Net Correction	n: 0.83	multiplier	
		Adjusted Hourly Unit Pro		Acres/hr	
		Adjusted Hourly Fleet Pro	oduction: 0.54	Acres/hr	
	JOB TIME AN	<u>D COST</u>			
	Fleet size:	1 Grader(s)	Total job ti	ime: 7.46	Hours
	Unit cost:	\$489.015 Per acre	Total job	cost: \$1,956	

WHEEL LOADER – LOAD AND CARRY WORK

Task description:	Carry to	psoil to benches	S				
e: East Douglas Pit		Permit Acti	on: 2023		Pe	rmit/Job#:	M1987103
PROJECT IDEN	TIFICATION						
Task #: 03A		State: Color	ado		Abbr	eviation:	None
Date: 11/13/	2023	County: Rio B				ilename:	M103-03a
User: ACY		ounty. Kio D	idireo		1	nename.	WITOS OSA
Agency or	organization nan	ne: DRMS					
HOURLY EQUI	PMENT COST	<u> </u>					
Basic Machir	ne: CAT 966H			Horse	epower:		262
Attachment			_		ft Basis:		er day
7 Read-initedit	i. Rois cus		<u> </u>		Source:		CRG)
Cost Breakdown:			1				
		φ. 	Utilizatio	on %			
Ownership (\$65.69	NA 100				
Operating (\$48.09	100				
Operator (\$40.71	NA				
Total Unit C	ost/Hour:	\$154.49					
Total Fleet	Cost/Hour:	\$154.49					
MATERIAL QUA	<u>ANTITIES</u>						
Initial volume:	2,420	CCY	' Swe	ell factor:	1.000		
Loose volume:		LCY		_			
Soi	irce of estimated	volume: 3 ac	@ 6" deep				
	of estimated swe		Handbook				
	LICTION						
HOURLY PROD		15 . 6 . 5				0.700	
Loader Cycle Time:	Unadjust	ed Basic Cycle T	ime (load, dum	p, maneuver):	0.500	minutes
Cycle Time 1	Factors				Factor	(min.)	Source
		ial 3/4" to 6" dia				000	(Cat HB)
		yor or dozer pile)10	(Cat HB)
Truck Own	-	on ownership of		lers -0.04		040	(Cat HB)
		sistent operation (0.04)40	(Cat HB)
Dump '	Target: Small	target 0.04	4 C -1 - T' - 4	1')40	(Cat HB)
			t Cycle Time A ljusted Basic C)50 550	minutes
		Ac	ijusied dasic C	yele Hime:	0.3	550	minutes
Rolling Resistance -	- Road Condition	<u>s</u>					
I	Haul: Rutted d	irt, little mainten	ance, no water	2" tire penet	ration 5 0		
		irt, little mainten					
		,	,,	F			
Haul and Return Tin		1			T	1	
	Length	Grade Res.	Rolling	Total Res		el Time	Source
	(feet)	(%)	Res. (%)	(%)		inutes)	
Haul Route:	700	9.90	5.00	14.90		.3350	(Cat HB)
Return Route:	700	-9.90	5.00	-4.90	0	.5850	(Cat HB)

Total Travel Time: 1.9200 minutes
Total Cycle Time: 2.4700 minutes

Load Bucket Capacity

Rated Capacity: 5.00 LCY (heaped)

Bucket Fill Factor: 1.100 Other - rock/dirt mixtures (100-120%) 1.100

Adjusted Capacity: 5.50 LCY

Job Condition Correction Factors

Site Altitude: 6000 feet

Unadjusted Hourly Unit Production: 133.60 LCY/Hour Adjusted Hourly Unit Production: 110.89 LCY/Hour Adjusted Hourly Fleet Production: 110.89 LCY/Hour

JOB TIME AND COST

Fleet size: _____1 Loader(s) Total job time: _____21.82 Hours

Unit cost: \$1.393 /LCY Total job cost: \$3,371

BULLDOZER WORK

Task description:	Grade topso	il over re-graded	areas		
East Douglas Pit		Permit Action:	2023	Permit/Job#:	M1987103
PROJECT IDENT	TIFICATION				
Task #: 03B	Sta	ite: Colorado		Abbreviation:	None
Date: 11/13/2				Filename:	M103-03b
User: ACY		-		-	
Agency or o	rganization name:	DRMS			
HOURLY EQUIP	MENT COST				
	Cat D7R DS XR Se	ries II	_		
Horsepower:	240		=		
	Semi-Universal		_		
Attachment: _ Shift Basis:	NA 1 per day		_		
Data Source:	(CRG)		_		
-	(CNO)		=		
Cost Breakdown:		1	*****		
Oumarshin Cast/II-	1144	¢11476	<u>Utilization %</u>		
Ownership Cost/Hor Operating Cost/Hor		\$114.76 \$91.98	NA 100		
Ripper own. Cost/Hor		\$0.00	NA		
Ripper op. Cost/Hor		\$0.00	0		
Operator Cost/Hor		\$41.30	NA		
•		,			
Total unit Cost/Hour:					
Total Fleet Cost/Hour	r: \$248.04				
Swell factor:	5,647 1.215 5,861 LCY				
Source of estimated v Source of estimated s		at 6" Iandbook			
HOURLY PRODU	<u>JC110N</u>				
Average push distanc					
Unadjusted hourly pro	oduction: <u>518.9 I</u>	.CY/hr			
Materials consistency	description: Par	rtly consolidated st	tockpile 1.1		
Average push gradien Average site altitude:					
Material weight:	1,600 lbs/LCY	7		_	
Weight description:	Top Soil				
Job Condition Correc	tion Factor		Source		
	tor Skill:	0.750	(AVG.)		
Material con		1.100	(CAT HB)		
	method:	1.000	(GEN.)		
V	⁷ isibility:	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: 0.7877

Adjusted unit production: 408.74 LCY/hr
Adjusted fleet production: 408.74 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.607/LCY

Total job time: 16.79 Hours
Total job cost: \$4,164

REVEGETATION WORK

East Douglas Pit	Permit Action: 2023 Permit/J			Permit/Job	#: <u>M1987103</u>	
ROJECT IDENTIFICA	TION					
Task #: 04A	State: Color	ado		А	bbreviation:	None
Date: 11/13/2023		Blanco		_	Filename:	M103-04a
User: ACY	User: ACY Agency or organization name: DRMS					
Agency or organization	tion name: DRMS					
ERTILIZING						
aterials						
		Units /		_		
Description		Acre	Unit	Co	ost / Unit	Cost /Acre
6-24-24, 10-20-10, 15-15-	-15	200.00	pound	\$0).44	\$88.00
				To	otal Fertilizer Materials	
					Cost/Acre	
Description						Cost /Acre
Description Tractor towed spreader (M	IEANS 32 01 90.13 0120		Fertilizer	Applicati	ion Cost/Acre	\$41.82
Description Tractor towed spreader (Machine Machine) LLING	MEANS 32 01 90.13 012		Fertilizer	Applicati	ion Cost/Acre	\$41.82 \$41.82
Description Tractor towed spreader (Management of the International Control of the International Contro		Total	Fertilizer	Applicati	ion Cost/Acre	\$41.82 \$41.82 Cost /Acre
Description Tractor towed spreader (Machine Machine) LLING		Total	Fertilizer	Applicati	ion Cost/Acre	\$41.82 \$41.82
Description Tractor towed spreader (Management of the International Control of the International Contro		Total			ion Cost/Acre	\$41.82 \$41.82 Cost /Acre \$112.82
Description Tractor towed spreader (Machine International		Total		Rate – PLS LBS /		\$41.82 \$41.82 Cost /Acre \$112.82
Description Tractor towed spreader (Machine Interest of the Interest of Intere	MEANS 32 91 13.23 610	Total		Fotal Tilli Rate – PLS	Seeds per SQ. FT	\$41.82 \$41.82 Cost /Acre \$112.82 \$112.82
Description Tractor towed spreader (Machine Interest of the Interest of Intere	MEANS 32 91 13.23 610	Total		Rate – PLS LBS / Acre	Seeds per SQ.	\$41.82 \$41.82 Cost /Acre \$112.82 \$112.82
Description Tractor towed spreader (Machine Interest of the Interest of Intere	MEANS 32 91 13.23 610	Total		Rate – PLS LBS / Acre 2.00	Seeds per SQ. FT 9.18	\$41.82 \$41.82 Cost /Acre \$112.82 \$112.82 Cost /Acre
Description Tractor towed spreader (Machine Interest of the Interest of Intere	MEANS 32 91 13.23 610 way	Total		Rate – PLS LBS / Acre 2.00 2.00	Seeds per SQ. FT 9.18 8.03	\$41.82 \$41.82 Cost /Acre \$112.82 \$112.82 Cost /Acre \$8.05 \$12.36
Tractor towed spreader (Management of Management of Manage	MEANS 32 91 13.23 610 way	Total		Rate – PLS LBS / Acre 2.00 2.00	Seeds per SQ. FT 9.18 8.03 4.13	\$41.82 \$41.82 Cost /Acre \$112.82 \$112.82 Cost /Acre \$8.05 \$12.36 \$6.80

Description

Cost /Acre

Drill Seeding (DRMS Survey Cost)		\$232.00
	Total Seed Application Cost/Acre	\$232.00

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - 2,4D @ 1.0 pt/ac	2.00	ACRE	\$4.01	\$8.01
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$429.79	\$859.57
Total Mulch Materials Cost/Acre				\$867.59

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$74.46
Power mulcher (MEANS 32 91 13.16 0350)		\$147.67
Weed spray, hand, non-aquatic area, nox. [DMG]		\$183.16
Weed spray, truck, non-aquatic area, nox. [DMG]		\$62.72
	Total Mulch Application Cost/Acre	\$468.01

NURSERY STOCK PLANTING

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

JOB TIME AND COST

No. of Acres:	7	Cost /Acre:	\$1,881.95	
Estimated Failure Rate:	40%	Cost /Acre*:	\$1,752.13	
1 . 1D 1 . W 1T	THE INC CEEDIN	IC MIII CIIINC		

*Selected Replanting Work Items: <u>TILLING,SEEDING,MULCHING</u>

Initial Job Cost: \$13,173.65

Reseeding Job Cost: \$4,905.96

Total Job Cost: \$18,080

16.00

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: Ini	tial Mobilization			
e: East Douglas Pit	Permit	Action: 2023	Permit/Jol	o#: <u>M1987103</u>
PROJECT IDENTIFICATI	<u>ION</u>			
Task #: 05A		olorado	Abbreviation:	None
Date: 11/13/2023 User: ACY	County: R	io Blanco	Filename:	M103-05a
Agency or organization	n name: DRMS	S		
EQUIPMENT TRANSPOR	T DIC COST			
EQUIFMENT TRANSFOR	I RIG COST			
				1 per day
			Cost Data Source:	CRG Data
Truck Tractor Desc	cription: GENE	ERIC ON-HIGHWA	AY TRUCK TRACTOR, 6X4,	DIESEL POWERED,
			400 HP (2ND HALF, 2006)	
Truck Trailer Desc	cription:		IG GOOSENECK, DROP DEC	•
		TR	AILER (25T, 50T, AND 100T)	
Cost Breakdown:				
Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons	
Ownership Cost/Hour:	\$20.26	\$36.04	\$47.05	
Operating Cost/Hour:	\$39.51	\$76.08	\$82.85	
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52	

NON ROADABLE EQUIPMENT:

Total Unit Cost/Hour:

Helper Cost/Hour:

\$0.00

\$82.29

Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return Trip	DOT Permit
Description	Unit	Cost/hr/ unit	Cost/hr/uni	Size	Cost/hr/	Cost/hr/ fleet	Cost/ fleet
	(TONS)		t		fleet		
Cat D7R DS XR	32.01	\$114.76	\$158.17	1	\$272.93	\$158.17	\$250.00
Series II							
CAT 966H	25.80	\$65.69	\$82.29	1	\$147.98	\$82.29	\$250.00
Drill/Broadcast	25.00	\$6.73	\$82.29	1	\$89.02	\$82.29	\$250.00
Seeder with							
Tractor							
Power Mulcher	6.00	\$25.94	\$82.29	1	\$108.23	\$82.29	\$250.00
(Bowie LD-90)							

\$23.53

\$158.17

\$23.53

\$175.95

Subtotals: \$618.16 \$405.04 \$1,000.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Flatbed Truck, 4x2, 30K GVW	\$91.58	1	\$91.58	\$91.58
Light Duty Pickup, 4x4, 3/4 T.	\$116.31	2	\$232.62	\$232.62

Subtotals: \$324.20 \$324.20

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:

Total one-way travel distance:

Average Travel Speed:

RANGELY

miles

45.00

mph

Transportation Cycle Time:

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	0.67	0.67
Return Time (Hours):	0.67	0.67
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	2.33	1.33

JOB TIME AND COST

Total job cost: 4.67 Hours

Total job cost: \$5,033

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: Sec	ondary Mobiliza	ation		
ite: East Douglas Pit	Permit	t Action:2023	Permit/Jo	b#: <u>M1987103</u>
PROJECT IDENTIFICATI	ON			
Task #: 05B	State: C	olorado	Abbreviation:	None
Date: 11/13/2023 User: ACY	County: R	io Blanco	Filename:	M103-05b
Agency or organization	n name: DRMS	S		
EQUIPMENT TRANSPOR	T RIG COST			
			Shift basis:	1 per day
				CRG Data
Truck Tractor Desc	ription: GENI		AY TRUCK TRACTOR, 6X4, 400 HP (2ND HALF, 2006)	DIESEL POWERED,
Truck Trailer Desc	ription:	GENERIC FOLDIN	IG GOOSENECK, DROP DEC	CK EQUIPMENT
	- <u></u>	TR	AILER (25T, 50T, AND 100T))
Cost Breakdown:				
Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons	
Ownership Cost/Hour:	\$20.26	\$36.04	\$47.05	
Operating Cost/Hour:	\$39.51	\$76.08	\$82.85	
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52	
Helper Cost/Hour:	\$0.00 \$23.53 \$23.53			

NON ROADABLE EQUIPMENT:

Total Unit Cost/Hour:

\$82.29

Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return Trip	DOT Permit
Description	Unit	Cost/hr/ unit	Cost/hr/uni	Size	Cost/hr/	Cost/hr/ fleet	Cost/ fleet
	(TONS)		t		fleet		
Drill/Broadcast	25.00	\$6.73	\$82.29	1	\$89.02	\$82.29	\$250.00
Seeder with							
Tractor							
Power Mulcher	6.00	\$25.94	\$82.29	1	\$108.23	\$82.29	\$250.00
(Bowie LD-90)							

\$158.17

\$175.95

Subtotals: \$197.25 \$164.58 \$500.00

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.	\$116.31	2	\$232.62	\$232.62

Subtotals: \$232.62 \$232.62

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:

Total one-way travel distance:

Average Travel Speed:

RANGELY

miles

ph

Transportation Cycle Time:

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	0.67	0.67
Return Time (Hours):	0.67	0.67
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	2.33	1.33

JOB TIME AND COST

Total job cost: 4.67 Hours

Total job cost: \$2,187