

June 13, 2023

David Forenza Mesa Agg LLC PO Box 7790 Avon, CO 81620

Re: Orchard Mesa Aggr - File No. M-1995-005

Mesa Agg LLC Surety Increase (SI-3) Surety Increase

Dear David Forenza:

On June 13, 2023 the Division of Reclamation, Mining and Safety increased the current Financial Warranty for this permit to \$78,239.00, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of \$21,838.57.

Please see the April 18, 2023 inspection report for details regarding why this surety increase is required.

The Division ordered amendment of the current Financial Warranty, or submittal of a new Financial Warranty reflecting the increase, within 60 days from the date of this letter (June 13, 2023).

Please make arrangements with Sara M. Stevenson-Benn at the Division's Denver office for submittal of the financial warranty. Any other questions regarding completion, execution and/or submittal of financial warranty forms should also be directed to Sara M. Stevenson-Benn by telephone at (303) 866-3567 (8148), or by email at Sara.stevenson-benn@state.co.us.

The Permittee for this site may be scheduled for a Formal Board Hearing for possible revocation of the permit after August 12, 2023, if the amount of any increased Financial Warranty has not been provided.

Bond Held:	\$56,400.43
Prior Liability:	\$56,400.43
Change in Liability:	\$21,838.57
Revised Liability:	\$78,239.00
Prior Permit Acreage:	46.10



Change in Permit Acreage:	0.00
Revised Permit Acreage:	46.10
Prior Affected Acreage:	46.00
Change in Affected Acreage:	0.00
Revised Affected Acreage:	46.00

If you have any questions, please contact me by telephone at (303) 866-3567 x 8183, or by email at Amy.yeldell@state.co.us.

Sincerely,

Amy C. Yeldell

Amy Geldell

Environmental Protection Specialist

M-GR-04

COST SUMMARY WORK

e: Orcha	rd Mesa Aggr	Permit Action:	04-2023	Permit/Job	#: <u>M1995005</u>
PROJEC	T IDENTIFICA	TION			
Task # Date		State: Colorado County: Mesa		Abbreviation: _ Filename:	None M005-ACY
User	-	County: Mesa		rnename.	WIOO3-AC I

TASK LIST (DIRECT COSTS)

Task		Form	Fleet	Task	
Task	Description	Used	Size	Hours	Cost
01a	Regrading highwalls from near vertical to 3H:1V	DOZER	1	20.08	\$5,271
02a	Rip compacted areas	RIPPER	1	19.58	\$5,542
03a	Transport topsoil	LOADER	1	41.80	\$5,883
03b	Grade topsoil	DOZER	1	12.57	\$3,300
04a	Reveg of active mine areas	REVEGE	1	24.00	\$27,272
04b	Reveg of unreleased reclaimed areas areas	REVEGE	1	8.00	\$5,120
05a	Initial Mobilization	MOBILIZE	1	2.44	\$3,408
05b	Secondary Mobilization	MOBILIZE	1	2.44	\$1,398
		SUBTOTALS:			\$57,194

INDIRECT COSTS

OVERHEAD AND PROFIT:

2.02 Total = Liability insurance: \$1,155 Performance bond: 1.05 Total = \$601 Job superintendent: 65.46 Total = \$4,918 Profit: \$5,719 10.00 Total =

TOTAL O & $P = \frac{12,393}{}$

CONTRACT AMOUNT (direct + O & P) = $\frac{$42,555}{$69,587}$

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$500 Total = \$500

Engineering work and/or contract/bid preparation: Reclamation management and/or administration: 5.00 \$2,957

\$3,479

CONTINGENCY: 3.00 Total = \$1,716

TOTAL INDIRECT COST = \$21,045

TOTAL BOND AMOUNT (direct + indirect) = \$78,239

BULLDOZER WORK

Orchard Mesa A	agr	Dor	mit Action:	04 2023	Permit/Job#:	M1995005
Of Chard Wiesa A	ıggı		int Action	04-2023	_ 1 CIIIII / 300π.	W11993003
<u>PROJECT IDEN</u>	TIFICAT	ION				
Task #: 01A		State:	Colorado		Abbreviation:	None
Date: 5/3/20)23	County:	Mesa		Filename:	M005-01a
User: ACY		-				
Agency or	organizatio	n name: DF	RMS			
HOURLY EQUI	PMENT (COST				
Basic Machine:	Cat D8T -	<u></u>				
Horsepower:	310	050		_		
Blade Type:	Semi-Uni	versal		<u> </u>		
Attachment:	NA			<u> </u>		
Shift Basis:	1 per day					
Data Source:	(CRG)			<u>—</u>		
Cost Breakdown:						
				<u>Utilization %</u>		
Ownership Cost/H			\$124.85	NA		
Operating Cost/H			\$97.63	100		
Ripper own. Cost/H			\$0.00	NA		
Ripper op. Cost/H			\$0.00	0		
Operator Cost/H	our:		\$40.04	NA		
Total unit Cost/Hou	r: \$26	2.52				
Total Fleet Cost/Ho		2.52				
MATERIAL QU	ANTITIE	S				
		<u>~</u>				
Initial Volume:	11,074					
Swell factor:	1.090	X 7	<u>—</u>			
Loose volume:	12,071 LC	<u>Y</u>	_			
Source of estimated	volume:	2000 LF	@ 20'H verti	ical to 3H:1V		
Source of estimated Source of estimated				ical to 3H:1V		
				ical to 3H:1V		
	swell factor	r: Cat Hand		ical to 3H:1V		
Source of estimated HOURLY PROD	swell factor	r: Cat Hand		ical to 3H:1V		
Source of estimated HOURLY PROD Average push distar	swell factor DUCTION nce:	Cat Hand 50 feet	book	ical to 3H:1V		
Source of estimated HOURLY PROD	swell factor DUCTION nce:	r: Cat Hand	book	ical to 3H:1V		
Source of estimated HOURLY PROD Average push distar	swell factor DUCTION nce: production:	50 feet 1,400.0 LC	book Y/hr	mbankment 0.9		
Source of estimated HOURLY PROI Average push distar Unadjusted hourly p	well factor DUCTION nce: production: cy description	50 feet 1,400.0 LC on: Compa	book Y/hr			
Source of estimated HOURLY PROD Average push distar Unadjusted hourly p Materials consistence	buction Duction nce: broduction: cy description ent: 0 %	50 feet 1,400.0 LC on: Compa	book Y/hr			
HOURLY PROD Average push distar Unadjusted hourly p Materials consistence Average push gradic Average site altitude	DUCTION nce: production: cy description ent: e: 0 % 4,90	Cat Hand 50 feet 1,400.0 LC on: Compa	book Y/hr			
HOURLY PROD Average push distar Unadjusted hourly p Materials consistence Average push gradie	DUCTION nce: production: cy description ent: e: 0 % 4,90	50 feet 1,400.0 LC Compa	book Y/hr			
HOURLY PROD Average push distar Unadjusted hourly p Materials consistence Average push gradic Average site altitude	buction: cy description et: 0 % et: 4,90 2,40	Cat Hand 50 feet 1,400.0 LC on: Compa	Y/hr cted fill or er			
HOURLY PROI Average push distar Unadjusted hourly p Materials consistence Average push gradic Average site altitude Material weight: Weight description:	buction: oroduction: cy description ent:	Cat Hand 50 feet 1,400.0 LC on: Compa 00 feet 00 lbs/LCY y and gravel - I	Y/hr cted fill or er	mbankment 0.9		
HOURLY PROI Average push distar Unadjusted hourly p Materials consistence Average push gradic Average site altitude Material weight: Weight description: Job Condition Corre	buction: oroduction: cy description ent: 0 % 4,90	50 feet 1,400.0 LC on: Compa 00 feet 00 lbs/LCY y and gravel - I	Y/hr cted fill or er	mbankment 0.9		
HOURLY PROE Average push distar Unadjusted hourly p Materials consistence Average push gradic Average site altitude Material weight: Weight description: Job Condition Corre Ope	buction: cy description ent: 0 % e: 4,90 Clay ection Factor rator Skill:	50 feet 1,400.0 LC on: Compa 00 feet 00 lbs/LCY y and gravel - I	Y/hr cted fill or er	mbankment 0.9 Source (AVG.)		
HOURLY PROI Average push distar Unadjusted hourly p Materials consistence Average push gradic Average site altitude Material weight: Weight description: Job Condition Corre Ope Material co	buction: cy description ent: 0 % e: 4,90 Clay ection Factor rator Skill:	7: Cat Hand 50 feet 1,400.0 LC 20: Compa 00 feet 00 lbs/LCY y and gravel - I 1. Cat Hand 1. Compa 0. Compa 0. Compa 0. Compa 0. Compa	Y/hr cted fill or er Dry	mbankment 0.9		

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:	0.958	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4294

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

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.437/LCY

Total job time: 20.08 Hours
Total job cost: \$5,271

BULLDOZER RIPPING WORK

	on: Rip	compacted areas				
Site: Orchard N	Iesa Aggr	Permit Action:	04-2023	Permit/Jo	ob#: <u>M1995005</u>	
PROJECT	IDENTIFICAT	ION				
Task #:	02A	State: Colorado		Abbreviation	on: None	
Date:	5/3/2023	County: Mesa		Filenam	ne: M005-02a	
User: _	ACY					
Age	ncy or organization	n name: DRMS				_
HOURLY I	EQUIPMENT C	<u>OST</u>				
Ba	sic Machine: Ca	nt D8T - 8SU		Horsepower:	310	
Ripper	Attachment: 3-	Shank Ripper		Shift Basis:	1 per day	
				Data Source:	(CRG)	_
Cost Breakdo	wn:					
			***	Utilization %		
	Ownership (\$124.85 \$97.63	NA 100		
P	Operating (ipper Ownership (\$97.63	100 NA		
	Ripper Ownership C		\$7.30	100		
•	Operator (\$40.04	NA		
	Total Unit C		\$282.92			
	Total Fleet C	Cost/Hour: \$282	.92			
MATERIA	L QUANTITIES	Sele	cted estimating	method: Area		
Alternate Me		Sele	cted estimating	method: Thea		
ismic: NA	nous.	Bank Volume:	NA	BCY	NA	
Area: 13.00	acres	Rip Depth (ft):	2.00	Volume: 41,947		CY or C
<u> </u>		imated quantity: Staff es				01 01 0
HOUDI V I	PRODUCTION	matea quantity. Starr es	timates .			_
	KODUCTION					
Seismic:		Coismia Valositus	NA	feet/second		
		Seismic Velocity:	INA	lee/second		
Area:		D	2.5	0		
		ge Ripping Depth: ge Ripping Width:	2.56 7.08	feet/pass		
		e Ripping Width:	300.00	feet/pass feet/pass		
		rage Dozer Speed:	88.00	feet/minute		
		e Maneuver Time:	0.25	minutes/pass		
		ction per unit area:	0.800	acres/hour		
Job Condition	Correction Factor	<u>'S</u>				
	II		0.000	Acres/hr		
	Unadjusted Houri	y Unit Production:	0.800	ACICS/III		
	Unadjusted Houri			feet		
	Unadjusted Houri	y Unit Production: Site Altitude: Altitude Adj:	4,900 1.00			
	Onadjusted Houri	Site Altitude:	4,900 1.00 0.83	feet		
	Onagjusted Houri	Site Altitude: Altitude Adj:	4,900 1.00	feet (CAT HB)		
	v	Site Altitude: Altitude Adj: Job Efficiency:	4,900 1.00 0.83	feet (CAT HB) (1 shift/day)		
	Adjusteo	Site Altitude: Altitude Adj: Job Efficiency: Net Correction:	4,900 1.00 0.83 0.83	feet (CAT HB) (1 shift/day) multiplier		
JOB TIME	Adjusteo	Site Altitude: Altitude Adj: Job Efficiency: Net Correction:	4,900 1.00 0.83 0.83	feet (CAT HB) (1 shift/day) multiplier Acres/hr		
JOB TIME Fleet size	Adjusted Adjusted AND COST	Site Altitude: Altitude Adj: Job Efficiency: Net Correction:	4,900 1.00 0.83 0.83	feet (CAT HB) (1 shift/day) multiplier Acres/hr Acres/hr	Hours	S

WHEEL LOADER – LOAD AND CARRY WORK

Task description:	Transpo	ort topsoil				
: Orchard Mesa A	ggr	Permit Acti	ion: <u>04-2023</u>		Permit/Job#:	M1995005
PROJECT IDEN	TIFICATION					
Task #: 03A		State: Color	ado		Abbreviation:	None
Date: $\frac{-5/3}{20}$	23	County: Mesa			Filename:	M005-03a
User: ACY						
Agency or	organization nar	ne: DRMS				
HOURLY EQUI	PMENT COST	<u>Γ</u>				
Basic Machir	ne: CAT 972H	_ [Horsep	ower.	287
Attachment			_	Shift 1		per day
7 ttaenment	1. KOIB Cac	<u>'</u>	_	Data So		CRG)
G . B . 1.1				2 2		0110)
Cost Breakdown:			I Itilianti	on 04		
Ownership (Cost/Hour:	\$53.96	Utilizatio NA	Л1 70		
Operating (\$50.78	100			
Operator (\$35.97	NA			
Total Unit C		\$140.71				
Total Fleet	Cost/Hour:	\$140.71	<u> </u>			
Total Tiect		Ψ110.71				
MATERIAL QU	<u>ANTITIES</u>					
Initial volume:	8,432	CC	/ Swe	ell factor:	.125	
Loose volume:	9,48					
Cov	irce of estimated	volume: 4" d	anth array 15 60			
	of estimated swe		epth over 15.68 Handbook	ac		
Source	or estimated swe	in factor. Cat	Handbook			
HOURLY PROD	UCTION					
Loader Cycle Time:		ed Basic Cycle T	Time (load, dum	p, maneuver):	0.525	minutes
Cycle Time 1	Factors			_	Factor (min.)	Source
•		l material 0.02			0.020	(Cat HB)
		eyor or dozer pile	ed 10 ft. high or	less 0.01	0.010	(Cat HB)
Truck Own		non ownership of			-0.040	(Cat HB)
		ant operation -0.0			-0.040	(Cat HB)
Dump		nal target 0.00			0.000	(Cat HB)
_		Ne	t Cycle Time A	djustment:	-0.050	minutes
		A	djusted Basic C	ycle Time:	0.475	minutes
Rolling Resistance -	Road Condition	<u>ıs</u>				
Ī	Haul: Rutted of	lirt, little mainten	ance, no water.	2" tire penetra	tion 5.0	
		lirt, little mainten				
	-		· · · · · · · · · · · · · · · · · · ·	•		
Haul and Return Tin	<u>ne</u>					
	Length	Grade Res.	Rolling	Total Res.	Travel Time	Source
	(feet)	(%)	Res. (%)	(%)	(minutes)	Source
Haul Route:	500	0.00	5.00	5.00	0.4611	(Cat HB)
Return Route:	500	0.00	5.00	5.00	0.4160	(Cat HB)

Total Travel Time: 0.8771 minutes Total Cycle Time: 1.3521 minutes **Load Bucket Capacity** Rated Capacity: LCY (heaped) 5.60 Bucket Fill Factor: Other - rock/dirt mixtures (100-120%) 1.100 1.100 Adjusted Capacity: LCY 6.16 Job Condition Correction Factors Site Altitude: 4900 feet Source Altitude Adj: (CAT HB) Job Efficiency: 0.83 (1 shift/day) Net Correction: 0.83 multiplier Unadjusted Hourly Unit Production: 273.36 LCY/Hour Adjusted Hourly Unit Production: 226.89 LCY/Hour Adjusted Hourly Fleet Production: 226.89 LCY/Hour JOB TIME AND COST Fleet size: 1 Loader(s) Total job time: 41.81 Hours

Total job cost:

\$5,883

Unit cost: \$0.620

/LCY

BULLDOZER WORK

Task description:	Grade topsoil			
: Orchard Mesa Aggr	Permit Action:	04-2023	Permit/Job#:	M1995005
PROJECT IDENTIFI	CATION			
Task #: 03B	State: Colorado		Abbreviation:	None
Date: 5/3/2023	County: Mesa		Filename:	M005-03b
User: ACY				
Agency or organ	ization name: DRMS			
HOURLY EQUIPME	NT COST			
Basic Machine: Cat	D8T - 8SU			
Horsepower: 310				
71	ni-Universal	<u> </u>		
Attachment: NA	1			
	er day	<u> </u>		
Data Source: (CR	AU)	<u> </u>		
Cost Breakdown:		TT.41		
Ownership Cost/Ho	¢124.95	<u>Utilization %</u>		
Ownership Cost/Hour: Operating Cost/Hour:	\$124.85 \$97.63	NA 100		
Ripper own. Cost/Hour:	\$97.03	NA		
Ripper op. Cost/Hour:	\$0.00	0		
Operator Cost/Hour:	\$40.04	NA		
Taral and Carally	\$2.62.52			
Total unit Cost/Hour: Total Fleet Cost/Hour:	\$262.52 \$262.52			
Total Fieet Cost/Hour.	\$202.32			
MATERIAL QUANT	ITIES			
	<u> </u>			
Initial Volume: 9,486				
Swell factor: 1.000				
Loose volume: 9,486	S LCY			
Source of estimated volum				
Source of estimated swell	factor: Cat Handbook			
HOURLY PRODUCT	<u>TION</u>			
Average push distance:	50 feet			
Unadjusted hourly produc				
Materials consistency des	cription: Loose stockpile 1.2			
·				
Average push gradient: Average site altitude:	0 % 4,900 feet			
Material weight:	2,550 lbs/LCY		_	
Weight description:	Earth - Dry packed			
Job Condition Correction	Factor	Source		
Operator S		(AVG.)		
Material consiste	ency: 1.200	(CAT HB)		
Dozing met		(GEN.)		
Visib	ility: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:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.5390

Adjusted unit production: 754.60 LCY/hr
Adjusted fleet production: 754.6 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.348/LCY

Total job time: 12.57 Hours
Total job cost: \$3,300

REVEGETATION WORK

Task description: Reveg of active mine areas

Site: Orchard Mesa Aggr Permit Action: 04-2023 Permit/Job#: M1995005

PROJECT IDENTIFICATION

Task #:04AState:ColoradoAbbreviation:NoneDate:5/3/2023County:MesaFilename:M005-04a

User: ACY

Agency or organization name: DRMS

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
8-24-24, 10-15-15, 10-20-20	50.00	pound	\$0.35	\$17.50
			Total Fertilizer Materials	
			Cost/Acre	\$17.50

Application

Description		Cost /Acre
Tractor towed spreader (MEANS 32 01 90.13 0120)		\$39.64
	Total Fertilizer Application Cost/Acre	\$39.64

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.18
Total Tilling Cost/Acre	\$117.18

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Paloma	3.25	10.52	\$36.16
Sand Dropseed	0.25	29.84	\$2.44
Crested Wheatgrass - Fairway	2.00	9.18	\$8.05
Galleta	2.00	7.30	\$44.70
Saltbush, Four Wing	1.00	1.38	\$12.50
Saltbush, Shadscale	1.00	1.49	\$10.00
Winter Fat	1.00	2.55	\$20.50
Totals Seed Mix	10.50	62.26	\$134.34

Application

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

MULCHING and MISCELLANEOUS

Materials

	Units /			
Description	Acre	Unit	Cost / Unit	Cost /Acre
Hay, delivered {MEANS 31 25 14.16 1200}	1.00	TON	\$421.36	\$421.36
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$3.04	\$3.04
Total Mulch Materials Cost/Acre				\$424.40

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$73.00
Power mulcher (MEANS 32 91 13.16 0350)		\$141.57
Weed spray, truck, non-aquatic area, nox. [DMG]		\$62.72
	Total Mulch Application Cost/Acre	\$277.29

NURSERY STOCK PLANTING

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

JOB TIME AND COST

 No. of Acres:
 15.68
 Cost /Acre:
 \$1,242.35

 Estimated Failure Rate:
 40%
 Cost /Acre*:
 \$1,242.35

*Selected Replanting Work Items: FERTILIZING,TILLING,SEEDING,MU

LCHING

Initial Job Cost: \$19,480.05

Reseeding Job Cost: \$7,792.02

Total Job Cost: Job Hours: 24.00

REVEGETATION WORK

Task description:	Reveg of unrelea	sed reclaimed are	as areas			
Orchard Mesa Aggr	Per	rmit Action: 04-20	023		Permit/Job#:	M1995005
PROJECT IDENTIF	<u>ICATION</u>					
Task #: 04B	State:	Colorado		Abb	reviation: N	None
Date: 5/3/2023	County:	Mesa		_		M005-04b
User: ACY				_		
Agency or orga	nization name:DR	RMS				
ERTILIZING						
Aaterials						
Description		Units / Acre	Unit	Cost	/ Unit	Cost /Acre
-				\$		\$
				T-4-	1 E - 411	
				Tota	al Fertilizer Materials	
					Cost/Acre	\$0.00
Description						Cost /Acre
						\$
		Total	Fertilizer A	pplication	Cost/Acre	\$0.00
<u> TILLING</u>						
Description						Cost /Acre
Disc harrowing, 6" de	ep (MEANS 32 91 13	3.23 6100)				\$117.18
					G 4/1	
			To	otal Tilling	g Cost/Acre	\$117.18
SEEDING						
G IM				Rate –	Soods	Coat /A sees
Seed Mix				PLS	Seeds per SQ.	Cost /Acre
				LBS /	FT FQ.	
Indian Ricegrass - Pal	oma			Acre 3.25	10.52	\$36.16
I moran racegrass - I al	VIII			J.4J	10.52	Ψ50.10

Sand Dropseed

Saltbush, Four Wing

Saltbush, Shadscale

Galleta

Winter Fat

Crested Wheatgrass - Fairway

\$2.44

\$8.05

\$44.70

\$12.50

\$10.00

\$20.50

\$134.34

0.25

2.00

2.00

1.00

1.00

1.00

10.50

Totals Seed Mix

29.84

9.18

7.30

1.38

1.49

2.55

62.26

Application

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
Hay, delivered {MEANS 31 25 14.16 1200}	1.00	TON	\$421.36	\$421.36
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$3.04	\$3.04
Total Mulch Materials Cost/Acre				\$424.40

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$73.00
Power mulcher (MEANS 32 91 13.16 0350)		\$141.57
Weed spray, truck, non-aquatic area, nox. [DMG]		\$62.72
	Total Mulch Application Cost/Acre	\$277.29

NURSERY STOCK PLANTING

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

JOB TIME AND COST

No. of Acres: 4.32 Cost /Acre: $\frac{\$1,185.21}{0\%}$ *Selected Replanting Work Items: NONE

Initial Job Cost:
Reseeding Job Cost:
Total Job Cost:
Job Hours:

\$5,120.11

\$0.00

\$5,120

\$8.00

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: Ini	tial Mobilization			
e: Orchard Mesa Aggr	Permit	Action: 04-2023	Permit/Jo	bb#: M1995005
PROJECT IDENTIFICAT	<u>ION</u>			
Task #: 05A	State: C	olorado	Abbreviation:	None
Date: 5/3/2023	County: N	l esa	Filename:	M005-05a
User: ACY	=			
Agency or organizatio	n name: DRMS	S		
<u>EQUIPMENT TRANSPOR</u>	T RIG COST			
			Shift basis:	1 per day
			Cost Data Source:	CRG Data
Truck Tractor Dag	orintian: CENI	EDIC ON HIGHW	AY TRUCK TRACTOR, 6X4,	DIEGEI DOWEDED
Truck Tractor Desc	Aiption. GENI		400 HP (2ND HALF, 2006)	DIESEL FOWERED,
Truck Trailer Desc	erintion:		IG GOOSENECK, DROP DEC	CK EQUIPMENT
Truck Trunci Best	oription.		AILER (25T, 50T, AND 100T	•
			, , , , , , , , , , , , , , , , , , ,	,
Cost Breakdown:				
Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons	
Ownership Cost/Hour:	\$15.25	\$23.06	\$37.58	
Operating Cost/Hour:	\$25.26	\$30.83	\$51.41	
Operator Cost/Hours	\$27.71	\$27.71	\$27.71	

NON ROADABLE EQUIPMENT:

Helper Cost/Hour:
Total Unit Cost/Hour:

\$0.00

\$68.22

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 D8T - 8SU	53.08	\$137.95	\$136.92	1	\$274.87	\$136.92	\$250.00
CAT 972H	28.00	\$53.96	\$101.82	1	\$155.78	\$101.82	\$250.00
Drill/Broadcast	25.00	\$6.25	\$68.22	1	\$74.47	\$68.22	\$250.00
Seeder with							
Tractor							
Power Mulcher	6.00	\$14.79	\$68.22	1	\$83.01	\$68.22	\$250.00
(Bowie LD-90)							

\$20.22

\$101.82

\$20.22

\$136.92

Subtotals: \$588.13 \$375.18 \$1,000.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 1 T. Crew	\$80.76	1	\$80.76	\$80.76

Subtotals:	\$80.76	\$80.76

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:

Total one-way travel distance:

Average Travel Speed:

GRAND JUNCTION
miles

5.00
mph

Transportation Cycle Time:

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	0.11	0.11
Return Time (Hours):	0.11	0.11
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.22	0.22

JOB TIME AND COST

Total job time:	2.44	Hours
Total job cost:	\$3,408	

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description:	Secondary Mobiliz	ation		
ite: Orchard Mesa Aggr	Permi	it Action: 04-2023	Permit/Jol	o#: M1995005
PROJECT IDENTIFICA	<u>TION</u>			
Task #: 05B	State: C	Colorado	Abbreviation:	None
Date: 5/3/2023	County: N	Mesa	Filename:	M005-05b
User: ACY	_			
Agency or organizat	ion name: DRM	S		
8,8				
EQUIPMENT TRANSPO	ORT RIG COST			
	THE COST			
				1 per day
			Cost Data Source:	CRG Data
Truck Tractor De	escription: GEN	ERIC ON-HIGHWA	AY TRUCK TRACTOR, 6X4,	DIESEL POWERED.
	r		400 HP (2ND HALF, 2006)	
Truck Trailer De	escription:		G GOOSENECK, DROP DEC	K EOUIPMENT
	r		AILER (25T, 50T, AND 100T)	-
			, , , ,	
Cost Breakdown:				
Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons	
Ownership Cost/Hour	: \$15.25	\$23.06	\$37.58	
Operating Cost/Hour	: \$25.26	\$30.83	\$51.41	
Operator Cost/Hour	: \$27.71	\$27.71	\$27.71	
Helner Cost/Hour	. \$0.00	\$20.22	\$20.22	

NON ROADABLE EQUIPMENT:

Total Unit Cost/Hour:

\$68.22

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	\$6.25	\$68.22	1	\$74.47	\$68.22	\$250.00
Seeder with							
Tractor							
Power Mulcher	6.00	\$14.79	\$68.22	1	\$83.01	\$68.22	\$250.00
(Bowie LD-90)							

\$101.82

\$136.92

Subtotals: \$157.48 \$136.44 \$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, 1 T.	\$80.76	1	\$80.76	\$80.76
Crew				

Cubtotala	¢00.76	¢00.76	
Subtotals:	\$80.76	\$80.76	

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:

Total one-way travel distance:

Average Travel Speed:

GRAND JUNCTION
miles

5.00
mph

Transportation Cycle Time:

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	0.11	0.11
Return Time (Hours):	0.11	0.11
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.22	0.22

JOB TIME AND COST

Total job time:	2.44	Hours
Total job cost:	\$1,398	