June 7, 2018

Blayne Dennis Jubilee Venture, Inc. 403 Taylor Street Craig, CO 81625



**COLORADO** Division of Reclamation, Mining and Safety Department of Natural Resources

1313 Sherman Street, Room 215 Denver, CO 80203

### RE: Eagle Mine, Permit No. M-2011-029, Reclamation Costs Update and Notice of Surety Increase (SI-1)

Dear Mr. Dennis:

In an effort to ensure the Financial Warranty for the above referenced site adequately reflects the actual current costs of fulfilling the requirements of the approved reclamation plan, the Colorado Division of Reclamation, Mining and Safety (Division) has updated the reclamation cost estimate (copy enclosed).

Division calculations estimate the cost to reclaim the above referenced site to be <u>\$53,616.22</u> rounded up to <u>\$53,620</u>. This is an increase of <u>\$18,534.00</u> over the <u>\$35,086</u> currently held by the Division. This estimate is based on conditions observed during the May 30, 2018 inspection. *Therefore, pursuant to Section 34–32–117(4) of the Colorado Land Reclamation Act, adequate Financial Warranty must be submitted to the Division within 60 days of the mailing date of this letter.* The additional amount needs to be accepted prior to **Monday, August 06, 2018**. Please review the enclosed figures as soon as possible and contact our office if any calculation errors are noted.

Please make arrangements with Barbara Coria at the Division of Reclamation, Mining and Safety Denver Office, phone no. 303.866.3567, ext. 8148 for submittal of the financial warranty. Any questions regarding completion, execution and/or submittal of financial warranty forms should also be directed to Barbara Coria.

If you require additional information, or have questions or concerns, please feel free to contact me. Amy Yeldell at the Division of Reclamation, Mining and Safety, 1313 Sherman St., Room 215, Denver, CO 80203. Direct contact can be made by phone at 970-254-8511 or via email at amy.yeldell@ state.co.us

Sincerely,

Amy Geldell

*Amy Yeldell* Environmental Protection Specialist

Ec: Wally Erickson, Senior EPS, Grand Junction DRMS Jennifer Maiolo, BLM Little Snake Field Office Enc: Financial Warranty Cost Estimate



## COST SUMMARY WORK

Tas	sk descrip	tion:	Post inspection	bonc update				
Site: 1	Eagle Mi	ne	Pe	rmit Action:	2018-05	Permit/Job	o#: <u>M2011029</u>	
	Task #:	6/5/2018	CATION State: County:	Colorado Moffat		Abbreviation: Filename:	None M029-ACY	

Agency or organization name: DRMS

### TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Demo foundations/slabs	DEMOLISH	1	4.00	\$397.34
02a	Backfill water storage pond	DOZER	1	11.97	\$2,297.00
03a	Backfill tailings pond	DOZER	1	2.87	\$550.00
04a	Backfill one parcel	DOZER	1	98.23	\$18,842.00
05a	Rip plant area	RIPPER	1	1.55	\$322.00
06a	Distribute topsoil over 4 ac (Max Disturbance)	DOZER	1	24.14	\$4,631.00
07a	Reveg 4 ac (max disturbance area)	REVEGE	1	16.00	\$7,808.00
08a	Initial Mobilization of Reclamation crew and equipment	MOBILIZE	1	6.93	\$5,720.00
08b	Secondary Mobilization of Reclamation crew and equipment	MOBILIZE	1	6.93	\$2,432.00
		<u>SUBTO</u>	TALS:	172.62	\$42,999

## **INDIRECT COSTS**

#### OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$868.58
Performance bond:	1.05	Total =	\$451.49
Job superintendent:	0.00	Total =	\$0.00
Profit:	10.00	Total =	\$4,299.90
		TOTAL O & P =	\$5,619.97
		CONTRACT AMOUNT (direct + O & P) = $($	\$48,618.97

### LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	500.00	Total =	500.00
Engineering work and/or contract/bid preparation:	4.25	Total =	\$2,066.31
Reclamation management and/or administration:	5.00		\$2,430.95
CONTINGENCY:	0.00	Total =	\$0.00
	TOTAL IN	NDIRECT COST =	\$10,617.22
TOTAL BO	ND AMOUNT (d	irect + indirect) =	\$53,616.22
TOTAL DOND A		(bob mus)	\$52 (20 00

TOTAL BOND AMOUNT (Rounded) = \$53,620.00

## **DEMOLITION WORK**

	Fask description:      Eagle Mine	Permit Action:	2018-05	Permit/.	Job#: <u>M2011029</u>
ROJE	CT IDENTIFICAT	ION			
Task #:	01A	State: Colorado		Abbreviation:	None
_	6/5/2018	County: Moffat		Filename:	M029-01a
Date:	0/3/2010	County. Monut		i nename.	10102/014

## UNIT COSTS

## Location adjustment: 91.30 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Vibrating table slab	14'L x 8'W x 2'T	Demo. and on-site disposal in excavated pit, 8 in. thick - Max. 50 ft. push	112.00	SF	\$0.85	\$95.20
Office building slab	20'L x 20'W x 8''T	Demo. and on-site disposal in excavated pit, 8 in. thick - Max. 50 ft. push	400.00	SF	\$0.85	\$340.00

				Total Cost	
		Subtotal		(adjusted for	
<b>Job Hours:</b>	4.00	(unadjusted):	\$435.20	location):	\$397.34

Task description:	Backfill water st	orage pond			
Eagle Mine	Per	mit Action:	2018-05	Permit/Job#:	M2011029
PROJECT IDENTIF	FICATION				
Task #:         02A           Date:         6/5/2018           User:         ACY	State: County:	Colorado Moffat		Abbreviation: Filename:	None M029-02a
Agency or orga	nization name: DF	RMS			
HOURLY EQUIPM	ENT COST				
	nt D8T - 8SU				
Horsepower: 31 Blade Type: Se	mi-Universal				
Attachment: NA					
	ber day				
1	RG)				
<u></u>	/				
Cost Breakdown:			Utilization %		
Ownership Cost/Hour:		\$83.81	NA		
Operating Cost/Hour:		\$66.17	100		
Ripper own. Cost/Hour:		\$0.00	NA		
Ripper op. Cost/Hour:		\$0.00	0		
Operator Cost/Hour:	. <u></u>	\$41.85	NA		
-		+			
Total unit Cost/Hour:	\$191.83	+			
Total unit Cost/Hour: Total Fleet Cost/Hour:	\$191.83				
Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUAN</u> Initial Volume: 2,78	\$191.83 <u>FITIES</u>				
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN	\$191.83 FITIES 81				
Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUAN</u> Initial Volume: 2,78 Swell factor: 1.12	\$191.83 FITIES 81				
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 2,78 Swell factor: 1.12 Loose volume: 3,12	\$191.83 FITIES 81 24 25 LCY				
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 2,78 Swell factor: 1.12 Loose volume: 3,12 Source of estimated volu	\$191.83 FITIES 81 24 25 LCY ume:65'L x77	  'W x 15'D			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 2,78 Swell factor: 1.12 Loose volume: 3,12	\$191.83 FITIES 81 24 25 LCY ume:65'L x77	  'W x 15'D			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 2,78 Swell factor: 1.12 Loose volume: 3,12 Source of estimated volu	\$191.83 FITIES 81 24 25 LCY ume: <u>65'L x77</u> 11 factor: <u>Cat Hand</u>	  'W x 15'D			
Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUAN         Initial Volume:       2,78         Swell factor:       1.12         Loose volume:       3,12         Source of estimated volu       Source of estimated swel         HOURLY PRODUC	\$191.83 FITIES 81 24 25 LCY 1me: 65'L x77 11 factor: Cat Hand TION	  'W x 15'D			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 2,78 Swell factor: 1.12 Loose volume: 3,12 Source of estimated volu Source of estimated swel HOURLY PRODUC Average push distance:	\$191.83 FITIES 81 24 25 LCY ume: 65'L x77 Cat Hand TION 200 feet	 `W x 15'D book			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 2,78 Swell factor: 1.12 Loose volume: 3,12 Source of estimated volu Source of estimated swel HOURLY PRODUC Average push distance: Unadjusted hourly produ	\$191.83         FITIES         81         24         25 LCY         ume:       65'L x77         Il factor:       Cat Hand         TION         action:       200 feet         491.9 LCY/	 `W x 15'D book			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 2,78 Swell factor: 1.12 Loose volume: 3,12 Source of estimated volu Source of estimated swel HOURLY PRODUC Average push distance:	\$191.83         FITIES         81         24         25 LCY         ume:       65'L x77         Il factor:       Cat Hand         TION         action:       200 feet         491.9 LCY/	W x 15'D book			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 2,78 Swell factor: 1.12 Loose volume: 3,12 Source of estimated volu Source of estimated swel HOURLY PRODUC Average push distance: Unadjusted hourly produ	\$191.83         FITIES         81         24         25 LCY         ume:       65'L x77         Il factor:       Cat Hand         TION         action:       200 feet         491.9 LCY/	W x 15'D book			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 2,78 Swell factor: 1.12 Loose volume: 3,12 Source of estimated volu Source of estimated volu Source of estimated swel HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient:	\$191.83 <b>FITIES</b> 812425 LCYume:65'L x77Il factor:Cat Hand <b>TION</b> action:200 feetaction:491.9 LCY/escription:Loose s0 %	W x 15'D book			
Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       2,78         Swell factor:       1.12         Loose volume:       3,12         Source of estimated volu       Source of estimated swell         HOURLY PRODUC         Average push distance:         Unadjusted hourly produ         Materials consistency de         Average push gradient:         Average site altitude:	\$191.83 <b>FITIES</b> 812425 LCYat factor: $65^{\circ}L x77$ 11 factor:Cat Hand <b>TION</b> action: $200$ feetaction: $491.9$ LCY/escription:Loose s $0\%$ $6,650$ feet	W x 15'D book			
Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUANY         Initial Volume:       2,78         Swell factor:       1.12         Loose volume:       3,12         Source of estimated volu       Source of estimated swell         HOURLY PRODUC         Average push distance:         Unadjusted hourly produ         Materials consistency de         Average site altitude:         Material weight:	\$191.83 <b>FITIES</b> 81         24         25 LCY         ume:       65'L x77         Cat Hand         TION         action:       200 feet         action:       200 feet         scription:       Loose s         0 %       6,650 feet         2,850 lbs/LCY       Sand - Damp	W x 15'D book			
Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUANY         Initial Volume:       2,78         Swell factor:       1.12         Loose volume:       3,12         Source of estimated volu       Source of estimated volu         Source of estimated swell       HOURLY PRODUC         Average push distance:       Unadjusted hourly produ         Materials consistency de       Average push gradient:         Average site altitude:       Material weight:         Weight description:       Job Condition Correction         Operator       Operator	\$191.83 <b>IITIES</b> 812425 LCYume: $65'L x77$ 11 factor: $Cat Hand$ <b>TION</b> action: $200 feet$ action: $491.9 LCY/$ escription:Loose s0 % $6,650 feet$ 2,850 lbs/LCYSand - Dampn FactorSkill:0.				
Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUANY         Initial Volume:       2,78         Swell factor:       1.12         Loose volume:       3,12         Source of estimated volu       Source of estimated swell         HOURLY PRODUC         Average push distance:         Unadjusted hourly produ         Materials consistency de         Average push gradient:         Average site altitude:         Material weight:         Weight description:         Job Condition Correction         Operator         Material consist	\$191.83 <b>FITIES</b> 812425 LCYume: $65'L x77$ 21 factor: $Cat Hand$ <b>TION</b> action: $200$ feetaction: $200$ feetaction: $491.9$ LCY/escription:Loose s0 %6,650 feet2,850 lbs/LCYSand - Dampn FactorSkill:0.tency:1.	 'W x 15'D book /hr stockpile 1.2  750 200			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANY Initial Volume: 2,78 Swell factor: 1.12 Loose volume: 3,12 Source of estimated volu Source of estimated volu Source of estimated swel HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operator Material consis Dozing mage	\$191.83 <b>FITIES</b> 812425 LCYume: $65^{\circ}L x77$ ll factor: $Cat$ Hand <b>TION</b> action: $200$ feetaction: $2000$ feetaction: $0.0000$ feetaction: $0.00000$ feetaction: $0.00000000000000000000000000000000000$				

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:	0.807	(CAT HB)
Blade type:	1.000	(PAT)
Net correction:	0.5305	
Adjusted unit production: 2	260.95 LCY/hr	
Adjusted fleet production: 2	260.95 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$0.735/LCY

Total job time:	11.97 Hours
Total job cost:	\$2,297

Page 1 of 2

Task description:	Backfill tailir	ngs pond			
Eagle Mine		Permit Action:	2018-05	Permit/Job#:	M2011029
PROJECT IDENTI	FICATION				
Task #: 03A	Sta	te: Colorado		Abbreviation:	None
Date: $\frac{6517}{6/6/2018}$				Filename:	M029-03a
User: ACY					
Agency or org	ganization name:	DRMS			
HOURLY EQUIPM	<u>IENT COST</u>				
	Cat D8T - 8SU				
L	510				
• 1	Semi-Universal				
	NA				
	per day				
Data Source:(	CRG)				
Cost Breakdown:					
			Utilization %		
Ownership Cost/Hour		\$83.81	NA		
Operating Cost/Hour		\$66.17	100		
Ripper own. Cost/Hour		\$0.00	NA		
Rinner on Cost/Hours	r:	\$0.00	0		
Ripper op. Cost/Hour		* * * * * *			
Operator Cost/Hour Total unit Cost/Hour: Total Fleet Cost/Hour:		\$41.85	NA		
Operator Cost/Hour Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN	r: \$191.83 <b>\$191.83</b> <b>NTITIES</b>	\$41.85	NA		
Operator Cost/Hour Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume:66	r: <u>\$191.83</u> <b>\$191.83</b> <b>NTITIES</b> 56	\$41.85	NA		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUAN</u> Initial Volume: <u>66</u> Swell factor: <u>1</u> .	r: \$191.83 <b>\$191.83</b> <b>NTITIES</b>	\$41.85	NA		
Operator Cost/Hour Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUAN</u> Initial Volume: 66 Swell factor: 1. Loose volume: 74 Source of estimated vo Source of estimated sw	r: \$191.83 \$191.83 NTITIES 56 124 18 LCY lume: 40.5'1 rell factor: Cat H	\$41.85			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 66 Swell factor: 1. Loose volume: 74 Source of estimated vo	r: \$191.83 <b>\$191.83</b> <b>NTITIES</b> 56 124 <b>18</b> LCY lume: 40.5'1 rell factor: Cat H <b>CTION</b>	L x 55.5'W x 8'I landbook			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 66 Swell factor: 1. Loose volume: 74 Source of estimated vo Source of estimated sw HOURLY PRODUC	r: <u>\$191.83</u> <b>\$191.83</b> <b>NTITIES</b> 56 124 <b>18</b> LCY lume: <u>40.5'1</u> rell factor: <u>Cat H</u> <b>CTION</b> : <u>200 feet</u>	L x 55.5'W x 8'I landbook			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume:66 Swell factor:1. Loose volume:74 Source of estimated vo Source of estimated sw HOURLY PRODUC Average push distance: Unadjusted hourly proc	\$191.83         \$191.83         \$191.83         NTITIES $56$ 124         18 LCY         lume: $40.5$ 'l         rell factor:       Cat H         CTION         : $2000$ feet         duction: $491.9$ L	L x 55.5'W x 8'I landbook t CY/hr	 D		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 66 Swell factor: 1. Loose volume: 74 Source of estimated vo Source of estimated vo Source of estimated sw HOURLY PRODUC Average push distance: Unadjusted hourly proc	r: $3191.83$ \$191.83 \$124 \$124 \$124 \$124 \$124 \$124 \$124 \$124 \$124 \$124 \$124 \$124 \$124 \$124 \$124 \$124 \$124 \$124 \$126 \$126 \$126 \$126 \$126 \$126 \$126 \$126 \$126 \$120	L x 55.5'W x 8'I landbook	 D		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume:66 Swell factor:1. Loose volume:74 Source of estimated vo Source of estimated sw HOURLY PRODUC Average push distance: Unadjusted hourly proc	r: $3191.83$ \$191.83 \$124 \$124 \$124 \$124 \$124 \$124 \$124 \$124 \$124 \$124 \$124 \$124 \$124 \$124 \$124 \$124 \$124 \$124 \$126 \$126 \$126 \$126 \$126 \$126 \$126 \$126 \$126 \$120	L x 55.5'W x 8'I landbook t CY/hr	 D		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: <u>66</u> Swell factor: <u>1</u> . Loose volume: <u>74</u> Source of estimated vo Source of estimated vo Source of estimated sw HOURLY PRODUC Average push distance: Unadjusted hourly proc Materials consistency of Average push gradient:	\$191.83         \$191.83         \$191.83         NTITIES $56$ 124         18 LCY         lume: $40.5^{2}$ rell factor:       Cat H         CTION         : $200$ feet         duction: $491.9$ L         lescription:       Loo         : $0$ %	L x 55.5'W x 8'I landbook t CY/hr ose stockpile 1.2	 D		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: <u>66</u> Swell factor: <u>1</u> . Loose volume: <u>74</u> Source of estimated vo Source of estimated vo Source of estimated sw HOURLY PRODUC Average push distance: Unadjusted hourly proc Materials consistency of Average push gradient: Average site altitude:	\$191.83         \$191.83         \$191.83         \$191.83 $56$ 124         18 LCY         lume: $40.5$ 'l         rell factor:       Cat H         CTION         : $200$ feet         duction: $491.9$ L         description:       Loc         : $0$ % $6,650$ feet	L x 55.5'W x 8'I landbook t CY/hr ose stockpile 1.2	 D		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume:66 Swell factor:1. Loose volume:74 Source of estimated vo Source of estimated vo Source of estimated sw HOURLY PRODUC Average push distance: Unadjusted hourly proc Materials consistency of Average push gradient: Average site altitude: Material weight:	r: <u>\$191.83</u> <b>\$191.83</b> <b>NTITIES</b> 56 124 <b>18</b> LCY lume: 40.5' rell factor: Cat H <b>CTION</b> : 200 feet duction: 491.9 L description: Loc : 0 % <u>6,650 feet</u> <u>2,850 lbs/LCY</u> Sand - Damp	L x 55.5'W x 8'I landbook t CY/hr ose stockpile 1.2	 D		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 66 Swell factor: 1. Loose volume: 74 Source of estimated vo Source of estimated vo Source of estimated sw HOURLY PRODUC Average push distance: Unadjusted hourly proc Materials consistency of Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operator	r: $3191.83$ \$191.83 \$191.83 \$191.83 \$191.83 \$191.83 \$191.83 \$1000000000000000000000000000000000000	L x 55.5'W x 8'I landbook t CY/hr ose stockpile 1.2			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume:66 Swell factor:1. Loose volume:74 Source of estimated vo Source of estimated	r: $3191.83$ \$191.83 \$191.83 \$191.83 \$191.83 \$191.83 \$191.83 \$1000000000000000000000000000000000000	L x 55.5'W x 8'I [andbook t CY/hr ose stockpile 1.2 			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume:	r: $3191.83$ \$191.83 \$191.83 \$191.83 \$191.83 \$191.83 \$191.83 \$1000000000000000000000000000000000000	L x 55.5'W x 8'I landbook t CY/hr ose stockpile 1.2	D      <u>Source</u> (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:	0.807	(CAT HB)
Blade type:	1.000	(PAT)
Net correction:	0.5305	
Adjusted unit production: 26	50.95 LCY/hr	
Adjusted fleet production: 26	50.95 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$0.735/LCY

Total job time:	2.87 Hours
Total job cost:	\$550

Page 1 of 2

Task description:	Backfill one parcel			
Eagle Mine	Permit Action:	2018-05	Permit/Job#:	M2011029
PROJECT IDENTI	FICATION			
Task #: 04A	State: Colorado	)	Abbreviation:	None
Date: 6/6/2018	County: Moffat		Filename:	M029-04a
User: ACY			-	
Agency or org	anization name: DRMS			
HOURLY EQUIPM	IENT COST			
	at D8T - 8SU			
	10			
	emi-Universal			
	IA			
	per day			
Data Source: (0	CRG)			
Cost Breakdown:		1		
		Utilization %		
Ownership Cost/Hour				
Operating Cost/Hour				
Ripper own. Cost/Hour				
Ripper op. Cost/Hour				
Operator Cost/Hour	: \$41.85	NA		
MATERIAL QUAN	TITIES			
Initial Volume: 20	,740			
	24			
Loose volume: 23	,303 LCY			
Source of estimated vol	ume: 700'W x 80'W x 10	'D		
Source of estimated swe	ell factor: Cat Handbook			
HOURLY PRODUC	TION			
Average push distance:				
Unadjusted hourly prod				
Materials consistency d	escription: Loose stockpile 1.	2		
Average push gradient:				
Average site altitude:	6,650 feet			
Material weight:	2,850 lbs/LCY			
Weight description:	Sand - Damp			
Job Condition Correction	n Factor	Source		
	or Skill: 0.750	(AVG.)		
Material consi	r Skill: 0.750 stency: 1.200	(CAT HB)		
Material consi Dozing n	r Skill: 0.750 stency: 1.200			

Job efficiency:		0.830	(1 SHIFT/DAY)
Spoil pi	ile:	0.800	(FND-RF)
Push gradier	nt:	1.000	(CAT HB)
Altitud	de:	1.000	(CAT HB)
Material Weigl	ht:	0.807	(CAT HB)
Blade typ	pe:	1.000	(PAT)
Net correction	on:	0.4823	
Adjusted unit production:	237	.24 LCY/hr	
Adjusted fleet production:	237	.24 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$0.809/LCY

Total job time:	98.23 Hours
Total job cost:	\$18,842

# BULLDOZER RIPPING WORK

Task descript	ion: <b>Rip</b>	plant area			
Site: Eagle Min	e	Permit Action:	2018-05	Permit/Job#	#: <u>M2011029</u>
<b>PROJECT</b>	IDENTIFICAT	ION			
Task #: _ Date: _ User: _	05A 6/6/2018 ACY	State:ColoradoCounty:Moffat		Abbreviation: Filename:	None M029-05a
Age	ncy or organization	n name: DRMS			
-	EQUIPMENT C				
		at D8T - 8SU		Horsepower:	310
		Shank Ripper			per day
		**		Data Source:	(CRG)
Cost Breakdo	own:				
	Ohin (	Se et /I I e		Utilization %	
	Ownership C Operating C		\$83.81 \$66.17	<u>NA</u> 100	
R	ipper Ownership C		\$7.55	NA	
]	Ripper Operating C		\$7.21	100	
	Operator C		\$41.85	NA	
	Total Unit C	Cost/Hour:	\$206.59		
	Total Fleet C	Cost/Hour: \$206	.59		
<b>MATERIA</b>	L QUANTITIES	<u>S</u> Sele	cted estimating n	nethod: Area	
Alternate Me					
		Don't Volumou	NI A	DCV	NIA
nic: <u>NA</u> rea: 1.00	acres	Bank Volume:	NA 2.00	BCY Volume: 3,227	NA BCY of
<u> </u>				volume. <u>5,227</u>	Der 0
		imated quantity: Mine P	lan		
HOURLY ]	PRODUCTION				
Seismic:					
		Seismic Velocity:	NA	feet/second	
Area:					
		ge Ripping Depth:	2.56	mph	
		ge Ripping Width:	7.08 200.00	degrees feet	
		erage Dozer Speed:	88.00	feet	
	Averag	e Maneuver Time:	0.25	feet	
	Produ	ction per unit area:	0.773	acres/hour	
Job Condition	Correction Factor	<u>rs</u>			
	Unadjusted Hourl	y Unit Production:	0.773	Acres/hr	
		Site Altitude:	6,650	feet	
		Altitude Adj:	1.00	(CAT HB)	
		Job Efficiency: Net Correction:	0.83	(1 shift/day) multiplier	
		d Hourly Unit Production:	0.64	Acres/hr	
_	Ū	Hourly Fleet Production:	0.64	Acres/hr	
JOB TIME	AND COST				
Fleet size	: 1	Grader(s)	Total job time:	1.56	Hours
Unit cost	: \$321.940		Total job cost:	\$322	

Fask description:	Distribute tops	oil over 4 ac (	Max Disturbance)		
Eagle Mine	Pe	ermit Action:	2018-05	Permit/Job#:	M2011029
PROJECT IDENTIF	ICATION				
Task #: 06A	State:	Colorado		Abbreviation:	None
Date: $6/6/2018$	County:			Filename:	M029-06a
User: ACY				-	
Agency or orga	nization name: D	ORMS			
HOURLY EQUIPME	ENT COST				
	t D8T - 8SU				
Horsepower: 310					
	mi-Universal				
Attachment: NA					
	er day				
Data Source: (Cl	RG)				
Cost Breakdown:					
_			Utilization %		
Ownership Cost/Hour:		\$83.81	NA		
Operating Cost/Hour:		\$66.17	100		
Ripper own. Cost/Hour:		\$0.00	NA		
		\$0.00	0		
Ripper op. Cost/Hour:					
Operator Cost/Hour: Fotal unit Cost/Hour: Fotal Fleet Cost/Hour:	\$191.83 <b>\$191.83</b>	\$41.85	NA		
Operator Cost/Hour: Fotal unit Cost/Hour: Fotal Fleet Cost/Hour: MATERIAL QUANT	\$191.83 <u>FITIES</u>	\$41.85	NA		
Operator Cost/Hour: Fotal unit Cost/Hour: Fotal Fleet Cost/Hour: MATERIAL QUANI Initial Volume: _4,84	\$191.83 FITIES 40	\$41.85	NA		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,84 Swell factor: 1.00	\$191.83 FITIES 40 00	\$41.85	NA		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,84 Swell factor: 1.00 Loose volume: 4,84	\$191.83 FITIES 40 00 40 LCY		NA		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,84 Swell factor: 1.00 Loose volume: 4,84 Source of estimated volu	\$191.83 <u>FITIES</u> 40 10 10 10 10 12 14 ac. @	9" deep	NA		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,84 Swell factor: 1.00 Loose volume: 4,84	\$191.83 FITIES 40 10 10 10 10 10 10 10 10 10 1	9" deep	NA		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,84 Swell factor: 1.00 Loose volume: 4,84 Source of estimated volu Source of estimated swel	\$191.83 CITIES 40 00 40 LCY me: <u>4 ac. @</u> 1 factor: <u>Cat Han</u>	9" deep	NA		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,84 Swell factor: 1.00 Loose volume: 4,84 Source of estimated volu Source of estimated swel HOURLY PRODUCC	\$191.83 <u>FITIES</u> 00 00 00 LCY me: <u>4 ac. @</u> 1 factor: <u>Cat Han</u> <u>FION</u>	9" deep	NA		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,84 Swell factor: 1.00 Loose volume: 4,84 Source of estimated volu Source of estimated volu Source of estimated swel HOURLY PRODUCT Average push distance:	\$191.83 <u>CITIES</u> 40 00 10 LCY me: <u>4 ac. @</u> 1 factor: <u>Cat Han</u> <u>TION</u> <u>350 feet</u>	9" deep dbook	NA		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,84 Swell factor: 1.00 Loose volume: 4,84 Source of estimated volu Source of estimated swel HOURLY PRODUCC	\$191.83 <u>CITIES</u> 40 00 10 LCY me: <u>4 ac. @</u> 1 factor: <u>Cat Han</u> <u>TION</u> <u>350 feet</u>	9" deep dbook			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,84 Swell factor: 1.00 Loose volume: 4,84 Source of estimated volu Source of estimated volu Source of estimated swel HOURLY PRODUCT Average push distance:	\$191.83         CITIES         40         00	9" deep dbook			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,84 Swell factor: 1.00 Loose volume: 4,84 Source of estimated volu Source of estimated volu Source of estimated swel HOURLY PRODUCT Average push distance: Unadjusted hourly produ Materials consistency destinated set	\$191.83         CITIES         40         00         100         Cat Han         Cat Han         State         350 feet         233.3 LCY         scription:         Loose	9" deep dbook			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,84 Swell factor: 1.00 Loose volume: 4,84 Source of estimated volu Source of estimated volu Source of estimated swel HOURLY PRODUCT Average push distance: Unadjusted hourly produ Materials consistency des Average push gradient:	\$191.83         CITIES         40         00         00         00         00         00         00         00         00         00         00         00         100         Cat Han         Cat Han         Cat Han         Cat Han         Cat Han         Scription:	9" deep dbook			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,84 Swell factor: 1.00 Loose volume: 4,84 Source of estimated volu Source of estimated volu Source of estimated swel HOURLY PRODUCT Average push distance: Unadjusted hourly produ Materials consistency destinated set	\$191.83         CITIES         40         00         100         Cat Han         Cat Han         State         350 feet         233.3 LCY         scription:         Loose	9" deep dbook			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,84 Swell factor: 1.00 Loose volume: 4,84 Source of estimated volu Source of estimated volu Source of estimated swel HOURLY PRODUCT Average push distance: Unadjusted hourly produ Materials consistency des Average push gradient:	\$191.83         CITIES         40         00         00         00         00         00         00         00         00         00         00         00         100         Cat Han         Cat Han         Cat Han         Cat Han         Cat Han         Scription:	9" deep dbook			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: <b>MATERIAL QUANT</b> Initial Volume: 4,84 Swell factor: 1.00 Loose volume: 4,84 Source of estimated volu Source of estimated volu Source of estimated swel <b>HOURLY PRODUC'</b> Average push distance: Unadjusted hourly produ Materials consistency des Average push gradient: Average site altitude:	\$191.83         CITIES         40         00         40 LCY         me:       4 ac. @         1 factor:       Cat Han         Cat Cat Han         Constraints         1 factor:       233.3 LCY         scription:       Loose         0 %       6,650 feet	9" deep dbook			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,84 Swell factor: 1.00 Loose volume: 4,84 Source of estimated volu Source of estimated volu Source of estimated swel HOURLY PRODUCY Average push distance: Unadjusted hourly produ Materials consistency des Average push gradient: Average site altitude: Material weight: Weight description: Iob Condition Correction	\$191.83         CITIES         10         10         10         10         11         12         13         14         15         16         17         17         17         17         18         19         19         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000	9" deep dbook			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,84 Swell factor: 1.00 Loose volume: 4,84 Source of estimated volu Source of estimated volu Source of estimated swel HOURLY PRODUCT Average push distance: Unadjusted hourly produ Materials consistency des Average push gradient: Average site altitude: Material weight: Weight description: Iob Condition Correction Operator	\$191.83         CITIES         10         10         10         10         10         10         10         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         12         12         13         14         15         15         16         16         16         16         16         16         16         16         17         16         16         17         16         16         16         17         16         16         16         17         17         16	9" deep dbook //hr stockpile 1.2			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,84 Swell factor: 1.00 Loose volume: 4,84 Source of estimated volu Source of estimated volu Source of estimated swel HOURLY PRODUCT Average push distance: Unadjusted hourly produ Materials consistency des Average push gradient: Average site altitude: Material weight: Weight description: Iob Condition Correction Operator Material consist	\$191.83CITIES $10$ <t< td=""><td>9" deep dbook <i>č/hr</i> stockpile 1.2</td><td></td><td></td><td></td></t<>	9" deep dbook <i>č/hr</i> stockpile 1.2			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,84 Swell factor: 1.00 Loose volume: 4,84 Source of estimated volu Source of estimated volu Source of estimated swel HOURLY PRODUCT Average push distance: Unadjusted hourly produ Materials consistency des Average push gradient: Average site altitude: Material weight: Weight description: Iob Condition Correction Operator Material consist Dozing me	\$191.83         CITIES $10$ $100$ $100$ $100$ $100$ $1000$ $1000$ $1000$ $1000$ $1000$ $1000$ $1000$ $1000$ $1000$ $1000$ $1000$ $10000$ $100000$ $1000000000000$	9" deep dbook //hr stockpile 1.2			

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:	0.8593	
Adjusted unit production: 20	00.47 LCY/hr	
Adjusted fleet production: 20	00.47 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$0.957/LCY

Total job time:	<b>24.14</b> Hours
Total job cost:	\$4,631

# **REVEGETATION WORK**

Task description:		Reveg 4 ac (max disturbance	Reveg 4 ac (max disturbance area)			
te: Eagle Mine		Permit Action: 2018-05		Permit/Job#: M2011029		
<b>PROJEC</b>	<u>IDENTIFI</u>	CATION				
Task #:	07A	State: Colorado		Abbreviation:	None	
Date:	6/6/2018	County: Moffat		Filename:	M029-07a	
	ACY					

## **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
Arrowleaf Balsamroot	0.50	0.62	\$35.10
Indian Ricegrass - Nespar	1.00	3.24	\$7.75
Lupine, Silver	0.50	0.29	\$34.99
Thickspike Wheatgrass - Critana	2.00	7.07	\$11.48
Western Wheatgrass - Arriba	2.00	5.05	\$16.16
Globemallow, Scarlet (or copper)	1.00	11.32	\$135.50
Winter Fat	0.50	1.27	\$10.25
Totals Seed Mix	7.50	28.87	\$251.23

#### Application

Description		Cost /Acre
Drill seeding (MEANS 32 92 19.13 0020)		\$438.00
	Total Seed Application Cost/Acre	\$438.00

## **MULCHING and MISCELLANEOUS**

#### Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - Curtail @ 4.0 pt/ac	1.00	ACRE	\$7.16	\$7.16
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$261.00	\$522.00
Total Mulch Materials Cost/Acre				\$529.16

#### Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$66.02
Power mulcher (MEANS 32 91 13.16 0350)		\$99.32
Weed spray, truck, non-aquatic area, nox. [DMG]		\$71.50
	Total Mulch Application Cost/Acre	\$236.84

### **NURSERY STOCK PLANTING**

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

No. of Acres:	4	Cost /Acre:	\$1,561.52
Estimated Failure Rate:	25%	Cost /Acre*:	\$1,561.52
*Selected Replanting Work Items:	TILLING,SEEDING,MULCHIN	G	

Initial Job Cost:	\$6,246.08
Reseeding Job Cost:	\$1,561.52
Total Job Cost:	\$7,808
Job Hours:	16.00

# EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description	Ini	tial Mobilization	of Reclamation	crew and	d equipment			
e: Eagle Mine		Permit	Permit Action: 2018-05		Permit/Job#: M2011029			
PROJECT IDE	NTIFICATI	ION						
Task #: 08.	A	State: Co	olorado		Abbre	eviation: None	e	
Date: 6/6	5/2018	County: Mo	offat		Fi	ilename: M02	9-08a	
User: AC	CY							
Agency	or organizatio	n name: DRMS						
EQUIPMENT 7	TR A NSPOR	T RIG COST						
					Shift ba	aist 1 mon d		
					Cost Data Sou	F		
Truc	k Tractor Desc	cription: GENE	RIC ON-HIGH			DR, 6X4, DIESE	L POWERED,	
					P (2ND HALF,			
Truc	ck Trailer Desc	cription: G				ROP DECK EQU	JIPMENT	
			]	ΓRAILER	(25T, 50T, AN	ND 100T)		
Cost Breakdown:								
Available Rig C		0-25 Tons	26-50 Tons		+ Tons			
	p Cost/Hour:	\$16.63	\$18.37		22.33			
	g Cost/Hour:	\$44.38	\$46.13		50.07			
	r Cost/Hour:	\$27.66	\$27.66		27.66			
	r Cost/Hour:	\$0.00	\$25.39		25.39			
Total Uni	t Cost/Hour:	\$88.67	\$117.55	\$	125.45			
	_							
NON ROADAB	BLE EQUIPI	<u>MENT:</u>						
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	5.2.0	fleet			
Cat D8T - 8SU	53.08	\$91.36	\$125.45	1	\$216.81	\$125.45	\$250.00	
Drill/Broadcast	25.00	\$12.22	\$88.67	1	\$100.89	\$88.67	\$250.00	
Seeder with								
Tractor								
Power Mulcher (Bowie LD-90)	6.00	\$7.03	\$88.67	1	\$95.70	\$88.67	\$250.00	
CAT 972H	28.00	\$43.47	\$117.55	1	\$161.02	\$117.55	\$250.00	

Subtotals: \$574.42 \$420.34 \$1,000.00

### **ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/	Fleet Size	Haul Trip	Return Trip
Light Duty Pickup, 4x4, 1 T.	unit		Cost/hr/ fleet	Cost/hr/ fleet
Crew	\$47.41		\$47.41	\$47.41
		Subtotals:	\$47.41	\$47.41

## **EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region: Total one-way travel distance: Average Travel Speed:	CRAIG, CO 37.00 30.00	miles
Total Non-Roadable Mob/Demob Cost *	\$5,602.58	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$116.94	

Transportation Cycle Time:

	Non- Roadable Equipment	Roadable Equipment
Haul Time (Hours):	1.23	1.23
Return Time (Hours):	1.23	1.23
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	3.47	2.47

### JOB TIME AND COST

Total job time: **6.93** Hours

Total job cost: \$5,720

# EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description:	Sec	condary Mobilizat	tion of Reclama	ation crew	and equipme	ent	
e: Eagle Mine		Permit Action: 2018-05		1	Permit/Job#: <u>M2011029</u>		
PROJECT IDE	NTIFICATI	ION					
Task #: 08E	3	State: Co	olorado		Abbreviation: None		
Date: 6/6/	/2018	County: Mo	offat		Fi	lename:	M029-08b
User: AC	Y						
Agency of	or organization	n name: DRMS					
EQUIPMENT 1	RANSPOR	T RIG COST					
-					Shift ba	sis' 1 r	ber day
				(	Cost Data Sour	1	G Data
<b>T</b> 1							
Truck	Tractor Desc	cription: GENE	RIC ON-HIGH		(2ND HALF,		ESEL POWERED,
Truc	k Trailer Desc	rintion: G	ENERIC FOLD				FOUIDMENT
IIuci	k Hallel Dese				(25T, 50T, A)		EQUITIMENT
				IN HEEK	(231, 301, 71	(D 1001)	
Cost Breakdown:							
Available Rig C	apacities	0-25 Tons	26-50 Tons	51+	- Tons		
	Cost/Hour:	\$16.63	\$18.37	\$2	22.33		
	Cost/Hour:	\$44.38	\$46.13		50.07		
	Cost/Hour:	\$27.66	\$27.66		27.66		
1	Cost/Hour:	\$0.00	\$25.39		25.39		
Total Unit	Cost/Hour:	\$88.67	\$117.55	\$1	25.45		
NON ROADAB	<u>LE EQUIP</u> I	<u>MENT:</u>					
Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return Tr	ip DOT Permit
Description	Unit	Cost/hr/ unit	Cost/hr/uni	Size	Cost/hr/	Cost/hr/ f	
= •••••puon	(TONS)		t	2.2.0	fleet		
Drill/Broadcast Seeder with Tractor	25.00	\$12.22	\$88.67	1	\$100.89	\$88.67	\$250.00
Power Mulcher (Bowie LD-90)	6.00	\$7.03	\$88.67	1	\$95.70	\$88.67	\$250.00

Subtotals: **\$196.59 \$177.34 \$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. Crew	\$47.41	1	\$47.41	\$47.41
		Subtotals:	\$47.41	\$47.41

## **EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region: Total one-way travel distance: Average Travel Speed:	CRAIG, CO 37.00 30.00	miles mph
Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig:	\$2,315.54	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$116.94	

Transportation Cycle Time:

	Non- Roadable Equipment	Roadable Equipment
Haul Time (Hours):	1.23	1.23
Return Time (Hours):	1.23	1.23
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	3.47	2.47

### JOB TIME AND COST

Total job time: 6.93 Hours

Total job cost: **\$2,432**