

January 21, 2021

Scott West Steel Rose I. Inc. 802 3rd St. Colorado Springs, CO 80907

#### RE: Notice of Surety Increase (SI-01), Steel Rose 1, Permit No. M-2006-031

Dear Mr. West,

On January 21, 2021 the Division of Reclamation, Mining and Safety (Division) increased the current required Financial Warranty for the Steel Rose 1, Permit No. M-2006-031. In accordance with Rule 4.2.1, the Division may review a financial warranty at any time to determine if the amount is sufficient to fulfill the reclamation plan. The Division currently holds a financial warranty of \$12,600.00. The Division has calculated a reclamation cost estimate in the amount of \$19,500.00 for the Steel Rose 1 based on the approved mining and reclamation plans and current site conditions. **This is an increase of \$6,900.00 from the current financial warranty held.** The Division provided you an electronic draft of the enclosed Reclamation Cost Estimate on January 5, 2021 for your review.

# Pursuant to Rule 4.2.1(2), the current Financial Warranty must be amended or replaced to reflect the increase within 60 days from the date of this letter, due March 22, 2021.

For questions regarding financial warranties, please contact Sara Stevenson-Benn, the Division's Financial Assurance Specialist, at (303) 866-3567 x 8148. There are various financial warranty application forms on our website at <u>mining.state.co.us</u>.

For all other questions, please contact me at 303-866-3567 x 8132.

Sincerely,

Elliott R. Russell Environmental Protection Specialist

Enclosure: Reclamation Cost Estimate SI01 M2006031

Cc:

Jason Musick, DRMS Sara Stevenson-Benn, DRMS Amy Titterington, USFS



# COST SUMMARY WORK

Т	ask description:	Reclamation Cost Summary	y			
Site:	Steel Rose 1	Permit Action:	2021 Bond Calc	ulation	Permit/Jo	b#: <u>M2006031</u>
PR	OJECT IDENTIFIC	CATION				
	Task #: 000	State: Colorado		,	Abbreviation:	None
	Date: $12/31/2020$	County: Park		1	Filename:	M031-000
	User: ERR					
	Agency or organi	zation name: DRMS				
т	SK LIST (DIRECT	COSTS)				
	SK LIST (DIRECT	<u>(())</u>	Form	Fleet	Task	
Task	Description		Used	Size	Hours	Cost
001	Backfill and Regrade	Overburden	DOZER	1	26.23	\$6,487
002	Replace Topsoil		DOZER	1	6.29	\$1,556
003	Revegetate Disturbed	Areas	REVEGE	1	8.00	\$5,186
004	Mobilization/Demobi	ilization of Equipment	MOBILIZE	1	7.50	\$2,715
			<u>SUBTO</u>	<u>TALS:</u>	48.02	\$15,944
	DIRECT COSTS ERHEAD AND PROFI	<u>T:</u>				
	Liability insurar	nce: 2.02			Total = \$	322
	Performance bo	ond: 1.05			Total = \$	167
	Job superintende					556
	Pro	ofit: 10.00				1,594
						2,640
		CONT	RACT AMOUNT	(direct +	O & P = 5	18,584
LE	GAL - ENGINEERING	- PROJECT MANAGEMENT	:			
	Financial warranty pr	ocessing (legal/related costs):	\$0		Total = \$	0
		d/or contract/bid preparation:	0.00	-	Total = \$	
	Reclamation manag	gement and/or administration:	5.00	-	\$	929
		CONTINGENCY:	0.00		Total =\$	0
			TOTAL IN	DIRECT	T COST =	3,569
			TOTAL (	direct + i	ndirect) = $\frac{\$}{}$	19,513
		ТОТ	AL BOND AMO	UNT (ro	ounded) =\$	19,500

# BULLDOZER WORK

Task description:	Backfill and Reg		uiuen		
: Steel Rose 1	Perr	mit Action:	2021 Bond Calculation	Permit/Job#:	M2006031
PROJECT IDENTIF	<b>ICATION</b>				
Task #:     001       Date:     12/31/2020       User:     ERR	State: County:	Colorado Park		Abbreviation: Filename:	None 1
Agency or organ	nization name: DR	RMS			
HOURLY EQUIPME	ENT COST				
	t D8T - 8SU				
Horsepower: 310 Blade Type: Ser	0 mi-Universal				
Attachment: NA					
	er day				
	RG)				
	NO)				
Cost Breakdown:		1			
o			<u>Utilization %</u>		
Ownership Cost/Hour:		\$116.22	NA		
Operating Cost/Hour:		\$89.77	100		
Ripper own. Cost/Hour:		\$0.00	NA		
Ripper op. Cost/Hour:		\$0.00	0		
Operator Cost/Hour:		\$41.30	NA		
m 1 1 0 0 5 5 5					
Total unit Cost/Hours	¢717 78				
Total Fleet Cost/Hour:	\$247.28 <b>\$247.28</b>				
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 22.2	\$247.28 <u>FITIES</u>				
Total Fleet Cost/Hour: <u>MATERIAL QUANT</u> Initial Volume: 22,2	\$247.28 <u>FITIES</u> 289				
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 22,2 Swell factor: 1.25	\$247.28 FITIES 289 50				
Total Fleet Cost/Hour:MATERIAL QUANTInitial Volume:22,2Swell factor:1.25Loose volume:27,8	\$247.28 FITIES 289 50 361 LCY				
Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       22,2         Swell factor:       1.25         Loose volume:       27,8         Source of estimated volume	\$247.28 FITIES 289 50 361 LCY me: USFS				
Total Fleet Cost/Hour:MATERIAL QUANTInitial Volume:22,2Swell factor:1.25Loose volume:27,8	\$247.28 FITIES 289 50 361 LCY me: USFS	  book			
Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       22,2         Swell factor:       1.25         Loose volume:       27,8         Source of estimated volu       Source of estimated swell	\$247.28           EITIES           289           50           361 LCY           me:         USFS           1 factor:         Cat Hand	  book			
Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       22,2         Swell factor:       1.25         Loose volume:       27,8         Source of estimated volume	\$247.28           EITIES           289           50           361 LCY           me:         USFS           1 factor:         Cat Hand	  book			
Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       22,2         Swell factor:       1.25         Loose volume:       27,8         Source of estimated volu       Source of estimated swel         HOURLY PRODUCT       1.25	\$247.28 FITIES 289 50 561 LCY me: USFS 1 factor: Cat Hand TION	book			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 22,2 Swell factor: 1.25 Loose volume: 27,8 Source of estimated volum Source of estimated swel HOURLY PRODUCT Average push distance:	\$247.28         EITIES         289         50         361 LCY         me:       USFS         1 factor:       Cat Hand         TION         100 feet				
Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       22,2         Swell factor:       1.25         Loose volume:       27,8         Source of estimated volum       Swell         Source of estimated swell       HOURLY PRODUCT	\$247.28         FITIES         289         50         361 LCY         me:       USFS         1 factor:       Cat Hand         FION         ction:       100 feet         852.6 LCY/				
Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       22,2         Swell factor:       1.25         Loose volume:       27,8         Source of estimated volu       Source of estimated swel         HOURLY PRODUCT       Average push distance:         Unadjusted hourly product       Materials consistency destance	\$247.28         FITIES         289         50         361 LCY         me:       USFS         1 factor:       Cat Hand         TION         ction:       100 feet         852.6 LCY/         scription:       Loose s	'n			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 22,2 Swell factor: 1.25 Loose volume: 27,8 Source of estimated volu Source of estimated swel HOURLY PRODUCT Average push distance: Unadjusted hourly product	\$247.28         FITIES         289         50         361 LCY         me:       USFS         1 factor:       Cat Hand         FION         ction:       100 feet         852.6 LCY/	'n			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 22,2 Swell factor: 1.25 Loose volume: 27,8 Source of estimated volu Source of estimated volu Source of estimated swel HOURLY PRODUCT Average push distance: Unadjusted hourly produc Materials consistency des Average push gradient:	\$247.28         FITIES         289         50         361 LCY         me:       USFS         1 factor:       Cat Hand         TION         ction:       100 feet         scription:       Loose s        30 %	'n			
Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       22,2         Swell factor:       1.25         Loose volume:       27,8         Source of estimated volu       Source of estimated volu         Source of estimated swel       HOURLY PRODUCY         Average push distance:       Unadjusted hourly product         Materials consistency des       Average push gradient:         Average site altitude:       Source of estimated such	\$247.28         FITIES         289         50         361 LCY         me:       USFS         1 factor:       Cat Hand         TION         ction:       100 feet         scription:       Loose s         -30 %       9,400 feet	hrstockpile 1.2			
Total Fleet Cost/Hour: <b>MATERIAL QUANT</b> Initial Volume:       22,2         Swell factor:       1.25         Loose volume: <b>27,8</b> Source of estimated volu         Source of estimated volu         Source of estimated swel <b>HOURLY PRODUC</b> Average push distance:         Unadjusted hourly product         Materials consistency des         Average push gradient:         Average site altitude:         Material weight:         Weight description:	\$247.28         FITIES         289         50         361 LCY         me:       USFS         1 factor:       Cat Hand         TION         ction:       100 feet         ction:       852.6 LCY/         scription:       Loose s         -30 %       9,400 feet         2,650 lbs/LCY       Decomposed rock	hrstockpile 1.2	, 75% Earth		
Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       22,2         Swell factor:       1.25         Loose volume:       27,8         Source of estimated volum       2000         Source of estimated volum       Source         HOURLY PRODUCT       Average push distance:         Unadjusted hourly product       Materials consistency destance:         Average push gradient:       Average site altitude:         Material weight:       Weight description:         Job Condition Correction       Job Condition Correction	\$247.28         FITIES         289         50         361 LCY         me:       USFS         1 factor:       Cat Hand         TION         ction:       100 feet         ction:       852.6 LCY/         scription:       Loose s         -30 %       9,400 feet         2,650 lbs/LCY       Decomposed rock         n Factor       100 feet	'hr           stockpile 1.2	, 75% Earth		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 22,2 Swell factor: 1.25 Loose volume: 27,8 Source of estimated volume Source of estimated volume Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency des Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operator	\$247.28         FITIES         289         30         361 LCY         me:       USFS         1 factor:       Cat Hand         TION         ction:       100 feet         scription:       Loose s         -30 %       9,400 feet         2,650 lbs/LCY       Decomposed rock         n Factor       0.1	<sup>7</sup> hr stockpile 1.2 - 25% Rock, 750	, 75% Earth Source (AVG.)		
Total Fleet Cost/Hour: <b>MATERIAL QUANT</b> Initial Volume:       22,2         Swell factor:       1.25         Loose volume:       27,8         Source of estimated volum       2000         Source of estimated volum       Source         HOURLY PRODUCT       Average push distance:         Unadjusted hourly product       Materials consistency dest         Average push gradient:       Average site altitude:         Material weight:       Weight description:         Job Condition Correction       Job Condition Correction	\$247.28         FITIES         289         50         361 LCY         me:       USFS         1 factor:       Cat Hand         TION         action:       100 feet         scription:       Loose s         -30 %       9,400 feet         2,650 lbs/LCY       Decomposed rock         h Factor       Skill:       0.         tency:       1.2	'hr           stockpile 1.2	, 75% Earth	-	

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	1.000	(DOZ-OC)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.868	(CAT HB)
Blade type:	1.000	(PAT)
Net correction:	1.2457	
Adjusted unit production: 1,	062.08 LCY/hr	
Adjusted fleet production: 10	062.08 LCY/hr	

# JOB TIME AND COST

Fleet size:	1 Dozer(s)
Unit cost:	\$0.233/LCY

Total job time:	26.23 Hours
Total job cost:	\$6,487

# BULLDOZER WORK

Task description:	Replace Topsoil				
: Steel Rose 1	Per	mit Action:	2021 Bond Calculation	Permit/Job#:	M2006031
PROJECT IDENTI	<b>FICATION</b>				
Task #: 002	State:	Colorado		Abbreviation:	None
Date: $\frac{002}{12/31/202}$		Park		Filename:	2
User: ERR					
Agency or org	ganization name: DI	RMS			
HOURLY EQUIPM	IENT COST				
	Cat D8T - 8SU				
	<u>10</u>				
	emi-Universal IA				
	per day				
	CRG)				
<u> </u>					
Cost Breakdown:					
0 11 0			<u>Utilization %</u>		
Ownership Cost/Hour		\$116.22	NA		
Operating Cost/Hour		\$89.77	100		
Ripper own. Cost/Hour		\$0.00	NA		
Ripper op. Cost/Hour		\$0.00	0		
Operator Cost/Hour		\$41.30	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN	\$247.28 <b>\$247.28</b>				
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 3,2 Swell factor: 1.4	\$247.28 <b>\$247.28</b> <b>XTITIES</b> 226 429				
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 3,2 Swell factor: 1.4	\$247.28 \$247.28 \$247.28 \$226				
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 3,2 Swell factor: 1.4 Loose volume: 4,0 Source of estimated vol	\$247.28 <b>\$247.28</b> <b>XTITIES</b> 226 429 509 LCY lume: Permit: 6		vations: 4 acres		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 3,2 Swell factor: 1.4 Loose volume: 4,0	\$247.28 <b>\$247.28</b> <b>XTITIES</b> 226 429 509 LCY lume: Permit: 6				
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 3,2 Swell factor: 1.4 Loose volume: 4,0 Source of estimated vol Source of estimated swe	\$247.28 <b>\$247.28</b> <b>XTITIES</b> 226 429 509 LCY lume: Permit: 6 Cat Hand				
Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUAN         Initial Volume:       3,2         Swell factor:       1.4         Loose volume:       4,6         Source of estimated vol       Source of estimated swell         HOURLY PRODUCE       100	\$247.28 <b>\$247.28</b> <b>XTITIES</b> 226 429 509 LCY lume: Permit: 6 cat Hand CTION				
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 3,2 Swell factor: 1.4 Loose volume: 4,0 Source of estimated vol Source of estimated swo HOURLY PRODUC Average push distance:	\$247.28 <b>\$247.28</b> <b>XTITIES</b> 226 429 509 LCY lume: Permit: 6 Cat Hand CTION 100 feet				
Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUAN         Initial Volume:       3,2         Swell factor:       1.4         Loose volume:       4,6         Source of estimated vol       Source of estimated swell         HOURLY PRODUCE       100	\$247.28 <b>\$247.28</b> <b>XTITIES</b> 226 429 509 LCY lume: Permit: 6 Cat Hand CTION 100 feet				
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 3,2 Swell factor: 1.4 Loose volume: 4,0 Source of estimated vol Source of estimated swo HOURLY PRODUC Average push distance:	\$247.28 <b>\$247.28</b> <b>XTITIES</b> 226 429 509 LCY lume: Permit: 6 Cat Hand CTION luction: 100 feet 852.6 LCY		vations: 4 acres		
Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUAN         Initial Volume:       3,2         Swell factor:       1.4         Loose volume:       4,0         Source of estimated vol       Source of estimated swell         HOURLY PRODUC         Average push distance:       Unadjusted hourly prod         Materials consistency d         Average push gradient:	\$247.28 <b>\$247.28</b> <b>\$247.28</b> <b>XTITIES</b> 226 429 509 LCY lume: Permit: 6 ell factor: Cat Hand CTION luction: 100 feet 852.6 LCY lescription: Loose 0 %	". Site Obser lbook	vations: 4 acres		
Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUAN         Initial Volume:       3,2         Swell factor:       1.4         Loose volume:       4,0         Source of estimated vol       Source of estimated swell         HOURLY PRODUC       Average push distance:         Unadjusted hourly prod       Materials consistency distance	\$247.28           \$247.28           \$247.28           XTITIES           226           429           509 LCY           lume:         Permit: 6           Cat Hand           CTION           luction:         100 feet           lescription:         Loose	". Site Obser lbook	vations: 4 acres		
Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUAN         Initial Volume:       3,2         Swell factor:       1.4         Loose volume:       4,0         Source of estimated vol       Source of estimated swell         HOURLY PRODUC         Average push distance:       Unadjusted hourly prod         Materials consistency d         Average push gradient:         Average site altitude:	\$247.28 <b>\$247.28</b> <b>XTITIES</b> 226 429 509 LCY lume: Permit: 6 Cat Hand CTION luction: 100 feet luction: 852.6 LCY, lescription: Loose 0 % 9,400 feet	". Site Obser lbook	vations: 4 acres		
Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUAN         Initial Volume:       3,2         Swell factor:       1.4         Loose volume:       4,6         Source of estimated vol       Source of estimated swell         HOURLY PRODUC         Average push distance:       Unadjusted hourly prod         Materials consistency d         Average push gradient:         Average site altitude:         Material weight:	\$247.28 <b>\$247.28</b> <b>\$247.28</b> <b>XTITIES</b> 226 429 509 LCY lume: Permit: 6 cat Hand CTION luction: 100 feet luction: 852.6 LCY lescription: Loose 0 % 9,400 feet 1,600 lbs/LCY Top Soil	". Site Obser lbook	vations: 4 acres		
Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUAN         Initial Volume:       3,2         Swell factor:       1.4         Loose volume:       4,0         Source of estimated vol       Source of estimated swell         HOURLY PRODUC         Average push distance:         Unadjusted hourly prod         Materials consistency d         Average site altitude:         Material weight:         Weight description:	$ \begin{array}{r} & \$247.28 \\ & \$247.28 \\ \hline \\ & \$247.28 \\ \hline \\ & \$226 \\ \hline \\ & 429 \\ \hline \\ & 509 LCY \\ \hline \\ & 100 feet \\ \hline \\ & Cat Hand \\ \hline $	". Site Obser lbook	vations: 4 acres		
Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUAN         Initial Volume:       3,2         Swell factor:       1.4         Loose volume:       4,0         Source of estimated vol       Source of estimated swell         HOURLY PRODUC         Average push distance:       Unadjusted hourly prod         Materials consistency d         Average push gradient:         Average site altitude:         Material weight:         Weight description:         Job Condition Correction         Operator         Material consi	$\begin{array}{c c} \$247.28 \\ \$247.28 \\ \hline \\ \$247.28 \\ \hline \\ \hline \\ \$226 \\ 429 \\ \hline \\ 509 LCY \\ \hline \\ 100 feet \\ \hline \\ 100 feet \\ \hline \\ \hline \\ \hline \\ 100 feet \\ \hline \\ \hline \\ \hline \\ \hline \\ 100 feet \\ \hline \\ \hline \\ \hline \\ 100 feet \\ \hline \\ \hline \\ \hline \\ \hline \\ \hline \\ \hline \\ 100 feet \\ \hline \\ $	/hr stockpile 1.2			
Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUAN         Initial Volume:       3,2         Swell factor:       1.4         Loose volume:       4,0         Source of estimated vol       Source of estimated swo         HOURLY PRODUC         Average push distance:       Unadjusted hourly prod         Materials consistency d         Average push gradient:         Average site altitude:         Material weight:         Weight description:         Job Condition Correction         Material consi         Dozing m	$\begin{array}{c c} \$247.28 \\ \hline \$247.28 \\ \hline \$247.28 \\ \hline \end{array}$	/hr stockpile 1.2	vations: 4 acres		

Task # 002

Job efficient	cy: 0.830	(1 SHIFT/DAY)
Spoil pi	le: 0.800	(FND-RF)
Push gradie	nt: 1.000	(CAT HB)
Altitud	de: 1.000	(CAT HB)
Material Weig	ht: 1.438	(CAT HB)
Blade typ	pe: 1.000	(PAT)
Net correction	on: 0.8593	
Adjusted unit production:	732.64 LCY/hr	
Adjusted fleet production:	732.64 LCY/hr	

# JOB TIME AND COST

Fleet size:	1 Dozer(s)
Unit cost:	\$0.338/LCY
Total job times	6 20 Hours

Total job time:	<b>6.29</b> Hours
Total job cost:	\$1,556

# **REVEGETATION WORK**

Permit Action:	2021 Bond Calculation Permit/Job	#: <u>M2006031</u>
ICATION		
State: Colorado	Abbreviation:	None
0 County: Park	Filename:	3
		20 County: Park Filename:

# **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
Chisel plowing {DMG}	\$94.63
Total Tilling Cost/Acre	\$94.63

#### **SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Mountain Brome - Bromar	4.00	6.43	\$15.20
Great Basin Wildrye - Magnar	3.60	14.63	\$41.58
Bottlebrush Squirreltail	4.00	17.63	\$64.90
Sheep Fescue - Bighorn	3.00	46.83	\$13.20
Thickspike Wheatgrass - Critana	4.00	14.14	\$27.50
Prairie Junegrass	0.40	21.26	\$10.40
Totals Seed Mix	19.00	120.92	\$172.78

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
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$301.00	\$602.00
Total Mulch Materials Cost/Acre				\$602.00

#### Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$70.17
	<b>Total Mulch Application Cost/Acre</b>	\$70.17

#### NURSERY STOCK PLANTING

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

#### JOB TIME AND COST

Estimate *Selected Replanti	No. of Acres: ed Failure Rate: ng Work Items:	25%	DING	Cost /Acre: Cost /Acre*:	
Initial Job Cost:	\$4,686.32				
Reseeding Job Cost:	\$499.41				
Total Job Cost:	\$5,186				
Job Hours:	8.00				

# EQUIPMENT MOBILIZATION/DEMOBILIZATION

	Steel Rose 1		Permit	Action: 2021	Bond Calo	culation	Permit/Job#: <u>M</u>	2006031
PR	OJECT IDEN	TIFICATI	<u>ON</u>					
	Task #: 004		State: Co	lorado		Abbre	eviation: None	
		1/2020	County: Pa				ilename: 4	
	User: ERR		•					
	Agency or	rorganization	name: DRMS					
FO	UIPMENT T	<b>ΡΑΝ<u>S</u>ΡΩΡ</b> ΄	T RIG COST					
EQ		MANSION	<u>1 KIG COST</u>			Shift ba	sis: 1 per da	<b>X</b> 7
					(	Cost Data Sou		
		T	rintion: GENE	RIC ON-HIGHV	VAY TRI	ICK TRACTO	OR, 6X4, DIESEI	POWERED.
	Truck	Tractor Desc	inpuoli. OENE					li on BitBb,
			-		400 HP	(2ND HALF,	2006)	
		Trailer Desci	-	ENERIC FOLD	400 HP ING GOC	(2ND HALF, DSENECK, DF	2006) ROP DECK EQU	
			-	ENERIC FOLD	400 HP ING GOC	(2ND HALF,	2006) ROP DECK EQU	
Cos	Truck		-	ENERIC FOLD	400 HP ING GOC	(2ND HALF, DSENECK, DF	2006) ROP DECK EQU	
	Truck st Breakdown:	Trailer Descr	ription: G	ENERIC FOLD	400 HP ING GOC TRAILER	(2ND HALF, DSENECK, DF (25T, 50T, AN	2006) ROP DECK EQU	
	Truck <u>st Breakdown:</u> vailable Rig Ca	Trailer Descr pacities	ription: G	ENERIC FOLD T 26-50 Tons	400 HP ING GOC TRAILER	(2ND HALF, DSENECK, DF (25T, 50T, AN + Tons	2006) ROP DECK EQU	
	Truck st Breakdown: vailable Rig Ca Ownership	Trailer Descr pacities Cost/Hour:	ription: G	ENERIC FOLD	400 HP ING GOC TRAILER 51-	(2ND HALF, DSENECK, DF (25T, 50T, AN + Tons 38.69	2006) ROP DECK EQU	
	Truck st Breakdown: vailable Rig Ca Ownership Operating	Trailer Descr pacities Cost/Hour:	ription: Gl	ENERIC FOLD T 26-50 Tons \$29.63	400 HP ING GOC RAILER 51- \$3 \$5	(2ND HALF, DSENECK, DF (25T, 50T, AN + Tons	2006) ROP DECK EQU	
	Truck st Breakdown: vailable Rig Ca Ownership ( Operating ( Operator (	Trailer Descr pacities Cost/Hour: Cost/Hour:	ription: Gl 0-25 Tons \$17.20 \$26.56	ENERIC FOLD T 26-50 Tons \$29.63 \$47.02	400 HP ING GOC 'RAILER 51- \$3 \$5 \$2	(2ND HALF, DSENECK, DF (25T, 50T, AN + Tons 38.69 55.69	2006) ROP DECK EQU	
	Truck st Breakdown: vailable Rig Ca Ownership ( Operating ( Operator (	Trailer Descr pacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour:	ription: Gl 0-25 Tons \$17.20 \$26.56 \$23.63	ENERIC FOLD T 26-50 Tons \$29.63 \$47.02 \$23.63	400 HP ING GOC 'RAILER 51- \$3 \$5 \$5 \$5 \$5 \$5 \$5 \$5	(2ND HALF, DSENECK, DF (25T, 50T, AN + Tons 38.69 55.69 23.63	2006) ROP DECK EQU	
	Truck st Breakdown: vailable Rig Ca Ownership Operating Operator Helper	Trailer Descr pacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour:	0-25 Tons           \$17.20           \$26.56           \$23.63           \$0.00	ENERIC FOLD T 26-50 Tons \$29.63 \$47.02 \$23.63 \$23.53	400 HP ING GOC 'RAILER 51- \$3 \$5 \$5 \$5 \$5 \$5 \$5 \$5	(2ND HALF, DSENECK, DF (25T, 50T, AN + Tons 38.69 55.69 23.63 23.53	2006) ROP DECK EQU	
	Truck st Breakdown: vailable Rig Ca Ownership Operating Operator Helper	Trailer Descr pacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour:	0-25 Tons           \$17.20           \$26.56           \$23.63           \$0.00           \$67.39	ENERIC FOLD T 26-50 Tons \$29.63 \$47.02 \$23.63 \$23.53	400 HP ING GOC 'RAILER 51- \$3 \$5 \$5 \$5 \$5 \$5 \$5 \$5	(2ND HALF, DSENECK, DF (25T, 50T, AN + Tons 38.69 55.69 23.63 23.53	2006) ROP DECK EQU	
	Truck st Breakdown: vailable Rig Ca Ownership Operating Operator Helper Total Unit	Trailer Descr pacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIPN	0-25 Tons           \$17.20           \$26.56           \$23.63           \$0.00           \$67.39	ENERIC FOLD T 26-50 Tons \$29.63 \$47.02 \$23.63 \$23.53 \$123.81	400 HP ING GOC TRAILER 51- \$3 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2	(2ND HALF, DSENECK, DF (25T, 50T, AN + Tons 38.69 55.69 23.63 23.53 41.54	2006) ROP DECK EQU ND 100T)	
	Truck st Breakdown: vailable Rig Ca Ownership ( Operating ( Operator ( Helper ( Total Unit ( <b>DN ROADABL</b> Iachine	Trailer Descr pacities Cost/Hour: Cost/Cost/Hour: Cost/	0-25 Tons           \$17.20           \$26.56           \$23.63           \$0.00           \$67.39           IENT:           Owner ship	ENERIC FOLD T 26-50 Tons \$29.63 \$47.02 \$23.63 \$23.53 \$123.81 Haul Rig	400 HP ING GOC TRAILER 51- \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2	(2ND HALF, DSENECK, DF (25T, 50T, AN + Tons 38.69 55.69 23.63 23.53 41.54 Haul Trip	2006) ROP DECK EQU	IPMENT
<u>А</u> <u> </u> <u> </u> <u></u>	Truck st Breakdown: vailable Rig Ca Ownership Operating Operator Helper Total Unit	Trailer Descr pacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIPN Weight/ Unit	0-25 Tons           \$17.20           \$26.56           \$23.63           \$0.00           \$67.39	ENERIC FOLD T 26-50 Tons \$29.63 \$47.02 \$23.63 \$23.53 \$123.81	400 HP ING GOC TRAILER 51- \$3 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2	(2ND HALF, DSENECK, DF (25T, 50T, AN + Tons 38.69 55.69 23.63 23.53 41.54 Haul Trip Cost/hr/	2006) ROP DECK EQU ND 100T) Return Trip	IPMENT DOT Permit
A NO M D	Truck st Breakdown: vailable Rig Ca Ownership ( Operating ( Operator ( Helper ( Total Unit ( <b>DN ROADABL</b> Iachine	Trailer Descr pacities Cost/Hour: Cost/Cost/Hour: Cost/	0-25 Tons           \$17.20           \$26.56           \$23.63           \$0.00           \$67.39 <b>IENT:</b> Owner ship	ENERIC FOLD T 26-50 Tons \$29.63 \$47.02 \$23.63 \$23.53 \$123.81 Haul Rig Cost/hr/uni	400 HP ING GOC TRAILER 51- \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2	(2ND HALF, DSENECK, DF (25T, 50T, AN + Tons 38.69 55.69 23.63 23.53 41.54 Haul Trip	2006) ROP DECK EQU ND 100T) Return Trip	IPMENT DOT Permit
A NO M D	Truck st Breakdown: vailable Rig Ca Ownership ( Operating ( Operator ( Helper ( Total Unit ( ON ROADABL Jachine Description	Trailer Descr pacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIPN Weight/ Unit (TONS)	0-25 Tons           \$17.20           \$26.56           \$23.63           \$0.00           \$67.39             MENT:           Owner ship           Cost/hr/ unit	ENERIC FOLD T 26-50 Tons \$29.63 \$47.02 \$23.63 \$23.53 \$123.81 Haul Rig Cost/hr/uni t \$123.81	400 HP ING GOC TRAILER 51- \$3 \$3 \$3 \$2 \$3 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1	(2ND HALF, DSENECK, DF (25T, 50T, AN + Tons 38.69 55.69 23.63 23.53 41.54 Haul Trip Cost/hr/ fleet \$240.03	2006) ROP DECK EQU ND 100T) Return Trip Cost/hr/ fleet	IPMENT DOT Permit Cost/ fleet

# **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	\$121.96	2	\$243.92	\$243.92
		Subtotals:	\$243.92	\$243.92

# **EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region:	COLORADO SPRINGS	_
Total one-way travel distance:	65.00	miles
Average Travel Speed:	40.00	mph
Total Non-Roadable Mob/Demob Cost *	\$1,922.51	
<b>'*</b> two round trips with haul rig:	<i>\\$1,722.31</i>	-
Total Roadable Mob/Demob Cost **	\$792.74	
** one round trip, no haul rig:	\$752.74	_

Transportation Cycle Time:

	Non- Roadable Equipment	Roadable Equipment
Haul Time (Hours):	1.63	1.63
Return Time (Hours):	1.63	1.63
Loading Time (Hours):	0.25	NA
Unloading Time (Hours):	0.25	NA
Subtotals:	3.75	3.25

#### JOB TIME AND COST

Total job time: **7.50** Hours

Total job cost: \$2,715