# COST SUMMARY WORK

Task description:	2022 calc updated for inflation	
Site: K-Bar-T Pit	Permit Action: 11-2024	Permit/Job#: M1978221
PROJECT IDEN Task #: <u>ACY</u> Date: 11/2	Colorado         Z024       County:       Rio Blanco	Abbreviation: None Filename: M221-ACY
User: ACY	organization name: DRMS	

#### TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Re-grade 200LF highwall from 1H:1V to 3H:1V	DOZER	1	8.71	\$945
02a	Rip 2.5 acres of compacted area	RIPPER	] 1	4.88	\$561
03a	Spread 6" of topsoil over 2.5 acres	DOZER	1	30.53	\$3,313
04a	Revegetation of 2.5 acres	REVEGE	] 1	8.00	\$6,284
05a	Initial Mobilization	MOBILIZE	1	2.68	\$2,281
05b	Secondary Mobilization MOBILIZE 1		1	2.68	\$1,520
		<u>SUBTO</u>	TALS:	57.48	\$14,904

#### **INDIRECT COSTS**

#### **OVERHEAD AND PROFIT:**

Liability insurance:	2.02	Total =	\$301
Performance bond:	1.05	Total =	\$156
Job superintendent:	10.00	Total =	\$793
Profit:	10.00	Total =	\$1,490
		TOTAL O & P =	\$2,741
		CONTRACT AMOUNT (direct + O & P) = $\frac{1}{2}$	\$17,645

#### LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): Engineering work and/or contract/bid preparation:	<u>\$0</u> 4.25	_ Total = Total =	\$0 \$750		
Reclamation management and/or administration:	5.41	_	\$955		
CONTINGENCY:	3.00	Total =	\$447		
	TOTAL I	NDIRECT COST =	\$4,892		
TOTAL BO	TOTAL BOND AMOUNT (direct + indirect) =				

## Task # 01A

Page 1 of 2

# BULLDOZER WORK

V D T D'4					
K-Bar-T Pit	Per	mit Action:	11-2024	Permit/Job#:	M1978221
PROJECT IDENTI	FICATION				
Task #: 01A	State:	Colorado		Abbreviation:	None
Date: $11/26/202$		Rio Blanco	0	Filename:	M221-01a
User: ACY	00000000		<u> </u>		
Agency or org	anization name:	RMS			
HOURLY EQUIPM	FNT COST				
	at D5N LGP - 5P				
Horsepower: 96					
	ower Angle Tilt				
Attachment: N	Č – – – – – – – – – – – – – – – – – – –				
Shift Basis: 1	per day				
Data Source: (C	CRG)				
Cost Breakdown:					
2001 Dicardo will.			Utilization %		
Ownership Cost/Hour:		\$39.33	NA		
Operating Cost/Hour:		\$30.60	100		
Ripper own. Cost/Hour:		\$0.00	NA		
Ripper op. Cost/Hour:		\$0.00	0		
Operator Cost/Hour:		\$38.59	NA		
MATERIAL QUAN					
Initial Volume: 1,1					
Swell factor: 1.1					
Swell factor: 1.1	24 00 LCY	  DLF 1:1 to 3:1	l cut fill		
Swell factor:1.1Loose volume:1,3	24 00 LCY ume:25'H 200	)LF 1:1 to 3:1	1 cut fill		
Swell factor:       1.1         Loose volume:       1,3         Source of estimated volu       Source of estimated volu         Source of estimated swell       Source of estimated swell	24 00 LCY ume: 25'H 200 ell factor: Cat Hand		1 cut fill		
Swell factor:       1.1         Loose volume:       1,3         Source of estimated volu       1         Source of estimated swe       1         HOURLY PRODUCE       1	24 00 LCY ume:25'H 200 ell factor:Cat Hand CTION		<u>1 cut fill</u>		
Swell factor: 1.1 Loose volume: 1,3 Source of estimated volu Source of estimated swe HOURLY PRODUC	24 <b>00</b> LCY ume:25'H 200 ell factor:Cat Hand <u>CTION</u> 75 feet	lbook	1 cut fill		
Swell factor:       1.1         Loose volume:       1,3         Source of estimated volu       1         Source of estimated swe       1         HOURLY PRODUCE       1	24 <b>00</b> LCY ume:25'H 200 ell factor:Cat Hand <u>CTION</u> 75 feet	lbook	1 cut fill		
Swell factor: 1.1 Loose volume: 1,3 Source of estimated volu Source of estimated swe HOURLY PRODUC	24 <b>00</b> LCY ume: 25'H 200 ell factor: Cat Hand <u>CTION</u> uction: 75 feet 376.8 LCY	lbook /hr	1 cut fill   mbankment 0.9		
Swell factor: 1.1 Loose volume: 1,3 Source of estimated volu Source of estimated swe HOURLY PRODUC Average push distance: Unadjusted hourly produ	24 <b>00</b> LCY ume: 25'H 200 ell factor: Cat Hand <u>CTION</u> uction: 75 feet 376.8 LCY	lbook /hr			
Swell factor:       1.1         Loose volume:       1,3         Source of estimated volu       Source of estimated swe         Source of estimated swe       Source of estimated swe         HOURLY PRODUC       Average push distance:         Unadjusted hourly produce       Source of estimated swe	24 <b>00</b> LCY ume: <u>25'H 200</u> ell factor: <u>Cat Hand</u> <u>CTION</u> uction: <u>75 feet</u> <u>376.8 LCY</u> escription: <u>Compa</u>	lbook /hr			
Swell factor: 1.1 Loose volume: 1,3 Source of estimated volu Source of estimated swe HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient:	24 <b>00</b> LCY ume: <u>25'H 200</u> ell factor: <u>Cat Hand</u> <u>CTION</u> uction: <u>75 feet</u> <u>376.8 LCY</u> escription: <u>Compa</u> <u>-5 %</u>	lbook /hr			
Swell factor: 1.1 Loose volume: 1,3 Source of estimated volu Source of estimated swe HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude:	24 <b>00</b> LCY ume: <u>25'H 200</u> ell factor: <u>Cat Hand</u> <u>CTION</u> uction: <u>75 feet</u> <u>376.8 LCY</u> escription: <u>Compa</u> <u>-5 %</u> <u>6,570 feet</u>	lbook /hr heted fill or en			
Swell factor: 1.1 Loose volume: 1,3 Source of estimated volu Source of estimated swe HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description: Iob Condition Correctio	24 <b>00</b> LCY ume: <u>25'H 200</u> ell factor: <u>Cat Hand</u> <u>CTION</u> uction: <u>75 feet</u> <u>376.8 LCY</u> escription: <u>Compa</u> <u>-5 %</u> <u>6,570 feet</u> <u>2,900 lbs/LCY</u> <u>Sand and gravel -</u> on Factor	lbook /hr hcted fill or en bry	mbankment 0.9		
Swell factor: 1.1 Loose volume: 1,3 Source of estimated volu Source of estimated swe HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description: Iob Condition Correction Operator	24 <b>00</b> LCY ume: <u>25'H 200</u> ell factor: <u>Cat Hand</u> 2 <b>TION</b> uction: <u>75 feet</u> <u>376.8 LCY</u> escription: <u>Compa</u> <u>-5 %</u> <u>6,570 feet</u> <u>2,900 lbs/LCY</u> <u>Sand and gravel -</u> on Factor r Skill: <u>0</u>	lbook /hr heted fill or en bry .750			
Swell factor: 1.1 Loose volume: 1,3 Source of estimated volu Source of estimated swe HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description: Iob Condition Correction Operator Material consis	24 <b>00</b> LCY ume: 25'H 200 ell factor: Cat Hand <u>2TION</u> uction: 75 feet <u>376.8 LCY</u> escription: Compa <u>-5 %</u> <u>6,570 feet</u> <u>2,900 lbs/LCY</u> <u>Sand and gravel -</u> <u>on Factor</u> r Skill: 0. stency: 0.	/hr /hr icted fill or en Dry .750 .900			
Swell factor: 1.1 Loose volume: 1,3 Source of estimated volu Source of estimated swe HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average push gradient: Average site altitude: Material weight: Weight description: Iob Condition Correction Operator Material consis Dozing m	24           00 LCY           ume:         25'H 200           ell factor:         Cat Hand           2TION	lbook /hr heted fill or en bry .750			

Task # 01A

Job efficience	cy:	0.830	(1 SHIFT/DAY)
Spoil pi	le:	0.800	(FND-RF)
Push gradie	nt:	1.115	(CAT HB)
Altitud	le:	1.000	(CAT HB)
Material Weig	ht:	0.793	(CAT HB)
Blade typ	be:	1.000	(PAT)
Net correction	on: 0.3963		
Adjusted unit production:	149.33 LCY/I	nr	
Adjusted fleet production:	149.33 LCY/ł	nr	

# JOB TIME AND COST

Fleet size:	1 Dozer(s)
Unit cost:	\$0.727/LCY

Total job time:	<b>8.71</b> Hours
Total job cost:	<b>\$945</b>

# BULLDOZER RIPPING WORK

	Task description:	Rip 2.5 acres of compacted	area			
Site	K-Bar-T Pit	Permit Action	: 11-2024	Permit/Je	ob#: <u>M1978221</u>	
	PROJECT IDI	ENTIFICATION				
	Task #: 02A Date: 11/	A State: Colorado 26/2024 County: Rio Blan	Abbreviatio			
	User: AC	y			le. <u>WI221-02a</u>	
	Agency	or organization name: DRMS				
	HOURLY EQU	UIPMENT COST				
		Machine: Cat D5N LGP - 5P		Horsepower:	96	
	Ripper Att	achment: <u>3-Shank Ripper</u>		Shift Basis: Data Source:	1 per day (CRG)	
	Cost Breakdown:				()	
				Utilization %		
		Ownership Cost/Hour: Operating Cost/Hour:	\$39.33 \$30.60	<u>NA</u> 100		
		er Ownership Cost/Hour:	\$3.72	NA		
	Ripp	per Operating Cost/Hour:	\$2.62	100		
		Operator Cost/Hour: Total Unit Cost/Hour:	\$38.59	NA		
			\$114.86			
		Total Fleet Cost/Hour: \$1	14.86			
	MATERIAL Q	DUANTITIES Se	elected estimating	method: Area		
	Alternate Method	<u>ls:</u>				
eismic:	NA	Bank Volume:		BCY 5.445	NA	
Area:	2.25	acres Rip Depth (ft):		Volume: <u>5,445</u>	BCY o	or C
		Source of estimated quantity: <u>Com</u>	pacted areas-previs	souly accepted values		
	HOURLY PRO	<u>DDUCTION</u>				
	Seismic:					
		Seismic Velocity:	NA	feet/second		
	Area:			<b>6</b> /		
		Average Ripping Depth: Average Ripping Width:	1.11 5.08	feet/pass feet/pass		
		Average Ripping Length:	200.00	feet/pass		
		Average Dozer Speed:	88.00	feet/minute		
		Average Maneuver Time:	0.25	minutes/pass		
		Production per unit area:	0.555	acres/hour		
	Job Condition Co	prection Factors				
	Un	adjusted Hourly Unit Production:	0.555	Acres/hr		
		Site Altitude:	6,570	feet		
		Altitude Adj:	1.00	(CAT HB)		
		Job Efficiency:	0.83	(1 shift/day)		
		Net Correction:	0.83	multiplier		
		Adjusted Hourly Unit Production		Acres/hr		
		Adjusted Hourly Fleet Production	n: <b>0.46</b>	Acres/hr		
	JOB TIME AN	<u>ID COST</u>				
	Fleet size:	1 Grader(s)	Total job time	e: <u>4.89</u>	Hours	
	Unit cost:	\$249.462 Per acre	Total job cost	t: \$561		

# BULLDOZER WORK

Task description:	Spread 6" of top				
K-Bar-T Pit	Per	rmit Action:	11-2024	Permit/Job#:	M1978221
PROJECT IDENTI	FICATION				
Task #: 03A	State:	Colorado		Abbreviation:	None
Date: 11/26/202		Rio Blanco		Filename:	M221-03a
User: ACY	·				
Agency or org	anization name: D	RMS			
HOURLY EQUIPM	ENT COST				
	at D5N LGP - 5P				
Horsepower: 96					
1	ower Angle Tilt		_		
Attachment: N	A				
Shift Basis: 1	per day				
Data Source: (C	CRG)				
Cost Breakdown:					
<u>Cost Dicardown</u> .			Utilization %		
Ownership Cost/Hour:		\$39.33	NA		
Operating Cost/Hour:		\$30.60	100		
Ripper own. Cost/Hour:		\$0.00	NA		
Ripper op. Cost/Hour:		\$0.00	0		
Operator Cost/Hour:		\$38.59	NT A		
operation constitution.		\$30.39	NA		
-		\$30.39	NA		
Total unit Cost/Hour:	\$108.52	\$38.39	NA		
-		\$30.39	NA		
Total unit Cost/Hour:	\$108.52 <b>\$108.52</b>	ψ <b>30.</b> 37	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN	\$108.52 \$108.52 TITIES	ψ36.57	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume:2,0	\$108.52 \$108.52 TITIES 16	φ36.57 	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUAN</u> Initial Volume: 2,0 Swell factor: 1.1	\$108.52 <b>\$108.52</b> <b>TITIES</b> 16 15		NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUAN</u> Initial Volume: 2,0 Swell factor: 1.1	\$108.52 \$108.52 TITIES 16		NA		
Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUAN         Initial Volume:       2,0         Swell factor:       1.1         Loose volume:       2,2         Source of estimated volt       2,0	\$108.52 \$108.52 TITIES 16 15 48 LCY ume:6" over 2	 2.5 ac	NA		
Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUAN         Initial Volume:       2,0         Swell factor:       1.1         Loose volume:       2,2	\$108.52 \$108.52 TITIES 16 15 48 LCY ume:6" over 2	 2.5 ac	NA		
Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUAN         Initial Volume:       2,0         Swell factor:       1.1         Loose volume:       2,2         Source of estimated volt       Source of estimated swell	\$108.52 \$108.52 TITIES 16 15 48 LCY ume: 6" over 2 Cat Hand	 2.5 ac	NA		
Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUAN         Initial Volume:       2,0         Swell factor:       1.1         Loose volume:       2,2         Source of estimated volt         Source of estimated sweet         HOURLY PRODUCT	\$108.52 \$108.52 TITIES 16 15 48 LCY ume: 6" over 2 ell factor: Cat Hand CTION	 2.5 ac			
Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUAN         Initial Volume:       2,0         Swell factor:       1.1         Loose volume:       2,2         Source of estimated volto         Source of estimated sweet         HOURLY PRODUCE         Average push distance:	\$108.52 \$108.52 TITIES 16 15 48 LCY ume: 6" over 2 Cat Hand CTION 200 feet	2.5 ac dbook			
Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUAN         Initial Volume:       2,0         Swell factor:       1.1         Loose volume:       2,2         Source of estimated volt         Source of estimated sweet         HOURLY PRODUCT	\$108.52 \$108.52 TITIES 16 15 48 LCY ume: 6" over 2 Cat Hand CTION 200 feet	2.5 ac dbook			
Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUAN         Initial Volume:       2,0         Swell factor:       1.1         Loose volume:       2,2         Source of estimated volto         Source of estimated sweet         HOURLY PRODUCE         Average push distance:	\$108.52 \$108.52 TITIES 16 15 48 LCY ume: 6" over 2 ell factor: Cat Hand CTION 200 feet 150.0 LCY	2.5 ac dbook			
Total unit Cost/Hour:         Total Fleet Cost/Hour: <b>MATERIAL QUAN</b> Initial Volume:       2,0         Swell factor:       1.1         Loose volume:       2,2         Source of estimated volt       Source of estimated sweet         HOURLY PRODUC       Average push distance:         Unadjusted hourly prod       Materials consistency detection	\$108.52         \$108.52         TITIES         16         15         48 LCY         ume:       6" over 2         cat Hand         Cat Hand         ZTION         uction:       200 feet         150.0 LCY         escription:       Comp.	2.5 ac dbook			
Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUAN         Initial Volume:       2,0         Swell factor:       1.1         Loose volume:       2,2         Source of estimated volt         Source of estimated sweet         HOURLY PRODUC         Average push distance:         Unadjusted hourly prod         Materials consistency de         Average push gradient:	\$108.52         \$108.52         TITIES         16         15         48 LCY         ume:       6" over 2         cll factor:       Cat Hand         200 feet         uction:       150.0 LCY         escription:       Comp         0 %	2.5 ac dbook			
Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUAN         Initial Volume:       2,0         Swell factor:       1.1         Loose volume:       2,2         Source of estimated volt         Source of estimated sweet         HOURLY PRODUC         Average push distance:         Unadjusted hourly prod         Materials consistency de         Average push gradient:         Average site altitude:	\$108.52 \$108.52 TITIES 16 15 48 LCY ume: 6" over 2 ell factor: Cat Hand CTION uction: 200 feet 150.0 LCY escription: Comp. 0 % 6,570 feet	2.5 ac dbook			
Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUAN         Initial Volume:       2,0         Swell factor:       1.1         Loose volume:       2,2         Source of estimated volt         Source of estimated sweet         HOURLY PRODUC         Average push distance:         Unadjusted hourly prod         Materials consistency de         Average push gradient:	\$108.52         \$108.52         TITIES         16         15         48 LCY         ume:       6" over 2         cll factor:       Cat Hand         200 feet         uction:       150.0 LCY         escription:       Comp         0 %	2.5 ac dbook			
Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUAN         Initial Volume:       2,0         Swell factor:       1.1         Loose volume:       2,2         Source of estimated volt         Source of estimated volt         Source of estimated volt         Materials consistency de         Average push distance:         Unadjusted hourly prod         Materials consistency de         Average site altitude:         Material weight:         Weight description:	\$108.52 \$108.52 TITIES 16 15 48 LCY ume: 6" over 2 ell factor: Cat Hand CTION uction: 150.0 LCY escription: Comp 0% 6,570 feet 2,100 lbs/LCY Earth - Loam	2.5 ac dbook			
Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUAN         Initial Volume:       2,0         Swell factor:       1.1         Loose volume:       2,2         Source of estimated volt         Source of estimated volt         Source of estimated volt         Materials consistency de         Average push distance:         Unadjusted hourly prod         Materials consistency de         Average push gradient:         Average site altitude:         Material weight:         Weight description:         Job Condition Correction	\$108.52 \$108.52 TITIES 16 15 48 LCY ume: <u>6" over 2</u> ell factor: <u>Cat Hand</u> CTION uction: <u>200 feet</u> 150.0 LCY escription: <u>Comp</u> <u>0 %</u> <u>6,570 feet</u> <u>2,100 lbs/LCY</u> Earth - Loam n Factor	2.5 ac dbook			
Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUAN         Initial Volume:       2,0         Swell factor:       1.1         Loose volume:       2,2         Source of estimated volto         Source of estimated volto         Source of estimated volto         Source of estimated sweet         HOURLY PRODUCT         Average push distance:         Unadjusted hourly prodet         Materials consistency det         Average push gradient:         Average site altitude:         Material weight:         Weight description:         Job Condition Correction         Operator	$ \begin{array}{r} \$108.52 \\ \$108.52 \\ \hline 108.52 \\ \hline 108.52 \\ \hline 10$	 2.5 ac dbook 7/hr acted fill or em  0.750			
Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUAN         Initial Volume:       2,0         Swell factor:       1.1         Loose volume:       2,2         Source of estimated volt       Source of estimated sweet         HOURLY PRODUC         Average push distance:         Unadjusted hourly prodet         Materials consistency det         Average push gradient:         Average site altitude:         Material weight:         Weight description:         Job Condition Correction         Operator         Material consist	$\begin{array}{c c} \$108.52 \\ \$108.52 \\ \hline \$108.52 \\ \hline \\ \$108.52 \\ \hline \\ 16 \\ 15 \\ \hline \\ 48 LCY \\ \hline \\ ume: 6" over 2 \\ \hline \\ 48 LCY \\ \hline \\ ume: 6" over 2 \\ \hline \\ \hline \\ 48 LCY \\ \hline \\ ume: 6" over 2 \\ \hline \\ \hline \\ \hline \\ 48 LCY \\ \hline \\ \hline \\ ume: 6" over 2 \\ \hline \\ \hline \\ \hline \\ \hline \\ \hline \\ c t t t t t t t t t t t t t t t t t t$	 2.5 ac dbook 7/hr acted fill or em  0.750 0.900	<u>Source</u> (AVG.) (CAT HB))		
Total unit Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUAN         Initial Volume:       2,0         Swell factor:       1.1         Loose volume:       2,2         Source of estimated volt       Source of estimated sweet         HOURLY PRODUC         Average push distance:         Unadjusted hourly prodi         Materials consistency de         Average push gradient:         Average site altitude:         Material weight:         Weight description:         Job Condition Correction         Operator         Material consist         Dozing m	$ \begin{array}{c c} \$108.52 \\ \$108.52 \\ \hline \hline \hline \hline \hline \$108.52 \\ \hline \hline \hline \hline \hline \hline \$108.52 \\ \hline \hline$	 2.5 ac dbook 7/hr acted fill or em  0.750			

Task # 03A

Job efficiency	0.830	(1 SHIFT/DAY)
Spoil pile	e: 0.800	(FND-RF)
Push gradient	t: 1.000	(CAT HB)
Altitude	2: 1.000	(CAT HB)
Material Weight	t: 1.095	(CAT HB)
Blade type	2: 1.000	(PAT)
Net correction	n: 0.4908	
Adjusted unit production:	73.62 LCY/hr	
Adjusted fleet production:	73.62 LCY/hr	

# JOB TIME AND COST

Fleet size:	1 Dozer(s)
Unit cost:	\$1.474/LCY

Total job time:	<b>30.53</b> Hours
Total job cost:	\$3,313

# **REVEGETATION WORK**

E K-Bar-T Pit		Permit Action: <u>11-2024</u>	Permit/Job#: M1978221		
OJECT	<b>IDENTIFIC</b>	ATION			
Task #:	04A	State: Colorado	Abbreviation:	None	
Date:	11/26/2024	County: Rio Blanco	Filename:	M221-04a	
User:	ACY				

# **FERTILIZING**

#### Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
10-34-0, 18-46-0, 5-10-5	200.00	pound	\$0.51	\$102.32
			Total Fertilizer Materials	¢102.22
			Cost/Acre	\$102.32

#### **Application**

Description		Cost /Acre
Tractor towed spreader (MEANS 32 01 90.13 0120)		\$43.12
	<b>Total Fertilizer Application Cost/Acre</b>	\$43.12

# **TILLING**

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

## **SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Intermediate Wheatgrass - Oahe	6.00	12.81	\$27.87
Pubescent Wheatgrass - Greenleaf	3.00	6.20	\$14.28
Yellow Sweet Clover - Madrid	1.00	5.97	\$4.53
Totals Seed Mix	10.00	24.98	\$46.68

#### Application

Description	Cost /Acre
Drill Seeding (DRMS Survey Cost)	\$236.64

## Total Seed Application Cost/Acre \$236.64

## **MULCHING and MISCELLANEOUS**

#### Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$4.13	\$4.13
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$492.78	\$985.56
Total Mulch Materials Cost/Acre				\$989.69

#### Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$85.37
Power mulcher (MEANS 32 91 13.16 0350)		\$157.25
Weed spray, truck, non-aquatic area, nox. [DMG]		\$83.26
	Total Mulch Application Cost/Acre	\$325.89

# **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

## JOB TIME AND COST

Estimat	No. of Acres: ed Failure Rate:		Cost /Acre: Cost /Acre*:	
*Selected Replanti	ng Work Items:	FERTILIZING,TI	LLING,SEEDING,MU	 
Initial Job Cost:	\$4,654.88			
Reseeding Job Cost:	\$1,629.21			
Total Job Cost:	\$6,284			
Job Hours:	8.00			

# EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description:	Init	tial Mobilization					
e: K-Bar-T Pit		Permit Action: 11-2024			Permit/Job#: <u>M1978221</u>		
PROJECT IDEN	TIFICATI	ON					
Task #: 05A		State: Co	olorado		Abbro	eviation: None	
Date: <u>11/26/2024</u> User: ACY			o Blanco		F	ilename: M221	-05a
Agency or	organization	n name: DRMS					
EQUIPMENT TI	RANSPOR	<u>T RIG COST</u>					
					Shift ba		
				C	Cost Data Sou	rce: CRG Da	ta
Truck	Fractor Desc	ription: GENE	RIC ON-HIGH	WAY TRU	CK TRACTO	DR, 6X4, DIESEI	POWERED,
				400 HP	(2ND HALF,	2006)	
Truck	Trailer Desc	ription: G				ROP DECK EQU	IPMENT
			,	FRAILER (	(25T, 50T, Al	ND 100T)	
Cost Breakdown:							
Available Rig Ca	nacities	0-25 Tons	26-50 Tons	51+	Tons		
Ownership (		\$10.44	\$22.18		3.94		
Operating (		\$26.48	\$54.55	\$55.65			
	Cost/Hour:	\$22.52	\$22.52		\$22.52		
	Cost/Hour:	\$0.00	\$23.53		3.53		
Total Unit (		\$59.44	\$122.78		25.64		
NON ROADABL	E EQUIPN	MENT:					
	T		Hard Dia	Elect	Hard Tak	Return Trip	DOT Permit
Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Cost/hr/ fleet	Cost/ fleet
Description	Unit (TONS)	Cost/hr/ unit	Cost/hr/uni	Size	Cost/hr/ fleet		
Cat D5N LGP - 5P	(TONS) 12.10	\$43.05	t \$59.44	1	\$102.49	\$59.44	\$250.00
Drill/Broadcast	25.00	\$43.05	\$59.44 \$59.44	1	\$102.49 \$100.46	\$59.44 \$59.44	\$250.00
Seeder with	25.00	φ <b>+1.</b> 02	φ.)7.44	1	φ100.40	φJ7.44	φ230.00
Tractor							
Power Mulcher	6.00	\$27.21	\$59.44	1	\$86.65	\$59.44	\$250.00
(Bowie LD-90)							
				Subtetal	¢200 (A	¢170.00	\$750.00
				Subtotals:	\$289.60	\$178.32	\$750.00

## **ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 3/4 T.	\$119.71	1	\$119.71	\$119.71
		Subtotals:	\$119.71	\$119.71

# **EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region: Total one-way travel distance:	MEEKER 6.00	miles
Average Travel Speed:	35.00	mph
Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig:	\$2,239.63	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$41.04	

Transportation Cycle Time:

Haul Time (Hours):	Non- Roadable Equipment 0.17	Roadable Equipment 0.17
Haul Time (Hours): Return Time (Hours): Loading Time (Hours): Unloading Time (Hours):	0.17 0.17 0.50 0.50	0.17 0.17 NA NA
Subtotals:	1.34	0.34

## JOB TIME AND COST

Total job time: **2.69** Hours

Total job cost: **\$2,281** 

# EQUIPMENT MOBILIZATION/DEMOBILIZATION

	Sec	ondary Mobilizat	tion				
K-Bar-T Pit		Permit	Action: <u>11-20</u>	)24	]	Permit/Job#:	M1978221
PROJECT IDE	NTIFICATI	<u>ON</u>					
Task #: 05	В	State: Co	lorado		Abbre	viation: No	one
Date: 11/ User: AC	/26/2024 CY	County: River	o Blanco		Fi	lename: M	221-05b
Agency	or organization	n name: DRMS					
EQUIPMENT '	<b>FRANSPOR</b>	<u>T RIG COST</u>					
				C	Shift ba Cost Data Sour		r day Data
Truc	k Tractor Desc	ription: GENE	RIC ON-HIGH		CK TRACTO (2ND HALF,		SEL POWERED,
Truc	k Trailer Desc	ription: G	ENERIC FOLD	DING GOO	· · · ·	ROP DECK E	QUIPMENT
Cost Breakdown:							
Available Rig C	apacitics	0-25 Tons	26-50 Tons	51.	Tons		
	Cost/Hour:	\$10.44	\$22.18	\$2	3.94		
Operating	c Cost/Hour: g Cost/Hour:	\$10.44 \$26.48	\$22.18 \$54.55	\$2 \$5	3.94 5.65		
Operating Operato	c Cost/Hour: g Cost/Hour: r Cost/Hour:	\$10.44 \$26.48 \$22.52	\$22.18 \$54.55 \$22.52	\$2 \$5 \$2	3.94 5.65 2.52		
Operating Operato Helpe	c Cost/Hour: g Cost/Hour: r Cost/Hour: r Cost/Hour:	\$10.44 \$26.48 \$22.52 \$0.00	\$22.18 \$54.55 \$22.52 \$23.53	\$2 \$5 \$2 \$2 \$2	3.94         5.65         2.52         3.53		
Operating Operato Helpe	c Cost/Hour: g Cost/Hour: r Cost/Hour:	\$10.44 \$26.48 \$22.52	\$22.18 \$54.55 \$22.52	\$2 \$5 \$2 \$2 \$2	3.94 5.65 2.52		
Operating Operato Helpe Total Uni	cost/Hour: g Cost/Hour: r Cost/Hour: r Cost/Hour: t Cost/Hour:	\$10.44 \$26.48 \$22.52 \$0.00 \$59.44	\$22.18 \$54.55 \$22.52 \$23.53	\$2 \$5 \$2 \$2 \$2	3.94         5.65         2.52         3.53		
Operating Operato Helpe Total Uni	cost/Hour: g Cost/Hour: r Cost/Hour: r Cost/Hour: t Cost/Hour:	\$10.44 \$26.48 \$22.52 \$0.00 \$59.44	\$22.18 \$54.55 \$22.52 \$23.53	\$2 \$5 \$2 \$2 \$2	3.94         5.65         2.52         3.53	Return Trip	
Operating Operato Helpe Total Uni	cost/Hour: g Cost/Hour: r Cost/Hour: r Cost/Hour: t Cost/Hour: t Cost/Hour:	\$10.44 \$26.48 \$22.52 \$0.00 \$59.44 <b>MENT:</b>	\$22.18 \$54.55 \$22.52 \$23.53 \$122.78	\$2 \$5 \$2 \$2 \$1 \$1	3.94         5.65         2.52         3.53         25.64	Return Trip Cost/hr/ flee	
Operating Operato Helpe Total Uni NON ROADAB Machine	Cost/Hour: g Cost/Hour: r Cost/Hour: r Cost/Hour: t Cost/Hour: t Cost/Hour: t Cost/Hour: t Cost/Hour: weight/ Unit	\$10.44 \$26.48 \$22.52 \$0.00 \$59.44 <b>MENT:</b> Owner ship Cost/hr/ unit \$41.02	\$22.18 \$54.55 \$22.52 \$23.53 \$122.78 Haul Rig Cost/hr/uni	\$2 \$5 \$2 \$2 \$12 Fleet	3.94 5.65 2.52 3.53 25.64 Haul Trip Cost/hr/ fleet \$100.46		et Cost/ fleet \$250.00
Operating Operato Helpe Total Uni <b>NON ROADAB</b> Machine Description Drill/Broadcast Seeder with	Cost/Hour: g Cost/Hour: r Cost/Hour: r Cost/Hour: t Cost/Hour: <b>ELE EQUIPN</b> Weight/ Unit (TONS)	\$10.44 \$26.48 \$22.52 \$0.00 \$59.44 <b>/ENT:</b> Owner ship Cost/hr/ unit	\$22.18 \$54.55 \$22.52 \$23.53 \$122.78 Haul Rig Cost/hr/uni t	\$2 \$5 \$2 \$2 \$12 Fleet Size	3.94 5.65 2.52 3.53 25.64 Haul Trip Cost/hr/ fleet	Cost/hr/ flee	et 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, 3/4 T.	\$119.71	1	\$119.71	\$119.71
		Subtotals:	\$119.71	\$119.71

# **EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region: Total one-way travel distance:	MEEKER 6.00	miles
Average Travel Speed:	35.00	mph
Total Non-Roadable Mob/Demob Cost *	\$1,479.13	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$41.04	

Transportation Cycle Time:

Non- Roadable Equipment 0.17 0.17 0.50	Roadable Equipment 0.17 0.17 NA
0.50	NA
0.50	NA 0.34
	Roadable           Equipment           0.17           0.17           0.50           0.50

## JOB TIME AND COST

Total job time: **2.69** Hours

Total job cost: \$1,520