# COST SUMMARY WORK

T	ask description:	Cost Summary o	f Reclamati	on Tasks			
ite:	Bad Boys Pit	Per	mit Action:	2017 Update		Permit/Job#	#: <u>M1996081</u>
PI	ROJECT IDENTIFIC	<b>ATION</b>					
	Task #: 000	State:	Colorado			Abbreviation:	None
	Date: 11/9/2017	County:	Teller				M081-000
	User: ERR				<del></del>	_	
	Agency or organiz	zation name: DR	MS				
<u>T</u> A	ASK LIST (DIRECT (	COSTS)					
1				Form	Fleet	Task	
ısk	Description			Used	Size	Hours	Cost
1	Backfill Overburden			DOZER	1	7.53	\$1,501.00
2	Haul Topsoil			LOADER	1	11.65	\$1,111.00
3	Spread Topsoil			DOZER	1	1.73	\$357.00
4	Revegetate the Site			REVEGE	1	2.00	\$1,413.00
5	Mob/Demob of Recla	mation Equipment		MOBILIZE	1	5.67	\$2,781.00
IN	DIRECT COSTS						
<u>O</u> V	VERHEAD AND PROFIT	<u>Γ:</u>					
	Liability insuran	ce: 2.02				Total = \$14	14.69
	Performance box						5.21
	Job superintende					Total =	00
	Pro	fit: 10.00					16.30
							36.20
			CONTR	RACT AMOUNT	(direct +	$O \& P) = _{8}$	099.20
LE	GAL - ENGINEERING	- PROJECT MANA	AGEMENT:				
	Financial warranty pro	cessing (legal/relat	ed costs):	0.00		Total = 0.0	0
	Engineering work and		_	0.00	_	Total =	00
	Reclamation manage	ement and/or admir	nistration:	5.00	<del>-</del>	\$40	)4.96
		CONTIN	GENCY:	0.00		Total =\$0.	00
				TOTAL II	NDIRECT	$\Gamma \text{ COST} = \$1,$	341.16
		Т	OTAL BON	ND AMOUNT (d	lirect + iı	ndirect) = \$8,	504.16

## **BULLDOZER WORK**

Task description:	Backfill Overburden			
e: Bad Boys Pit	Permit Action	n: 2017 Update	Permit/Jo	b#: <u>M1996081</u>
PROJECT IDENTIFI	<u>CATION</u>			
Task #: 001	State: Colorado	)	Abbreviation:	None
Date: 11/9/2017	County: Teller		Filename:	M-1996-081
User: ERR				
Agency or organ	nization name: DRMS			
HOURLY EQUIPME	NT COST			
	: D8T - 8SU			
Horsepower: 310				
	mi-Universal			
**	hank ripper			
	er day			
	RG)			
Cost Breakdown:		TT.111 .1 0/		
0 11 0 77	Ф02.01	<u>Utilization %</u>		
Ownership Cost/Hour:	\$83.81	NA 100		
Operating Cost/Hour:	\$66.17	100		
Ripper own. Cost/Hour:	\$7.55	NA		
Ripper op. Cost/Hour:	\$0.00	0		
	\$41.85		<del></del>	
Operator Cost/Hour:	\$41.83	NA		
Total unit Cost/Hour:	\$199.38			
Total Fleet Cost/Hour:	\$199.38			
MATERIAL QUANTI	TIES			
Initial Volume: 5,46				
Swell factor: 1.00	0			
Loose volume: 5,46	3 LCY			
C	Division of Booleans	-ti Mining 0- Cafeta		
Source of estimated volu		ation, Mining & Safety		
Source of estimated swel	ll Cat Handbook			
factor:				
HOURLY PRODUCT	<u>ION</u>			
Average push distance:	100 feet			
Unadjusted hourly	852.6 LCY/hr			
production:	032.0 LC 1/III			
production.	·			
Materials consistency de	scription: Partly consolidate	d stockpile 1.1		
•		*	·	
Average push	0 %			
gradient:				
Average site altitude:	9,750 feet			
C				
Material weight:	1,850 lbs/LCY			
Č			<del></del>	
Weight description:	Coal - Anthracite, Washed			
Ich Condition Comment	Coston	C		
Job Condition Correction		Source		
Operator S	Skill: 0.750	(AVG.)		

Material consistency:	1.100	(CAT HB)
Dozing method:	1.000	(GEN.)
Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	1.000	(DOZ-OC)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.243	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.8511

Adjusted unit production:

Adjusted fleet production:

725.65 LCY/hr

725.65 LCY/hr

## **JOB TIME AND COST**

Fleet size: 1 Dozer(s)
Unit cost: \$0.275/LCY

Total job time: 7.53 Hours
Total job cost: \$1,501

# WHEEL LOADER – LOAD AND CARRY WORK

:	Bad Boys Pit		Dama	nit Action	2017 Upo		Permit/,	Iob#·	M199608
· –	Dau Doys Pit		reili	ilit Action.	2017 Opt	iale		JOU#.	W1199006
PR	OJECT IDENTI	FICATIO	ON						
				C-11-			A 1-1	. N	· · · · ·
	Task #: 002	17		Colorado			Abbreviation		fone
	Date: 11/9/20	017	County: _	Teller			Filename	: <u>N</u>	1081-002
	User: ERR								
	Agency or or	ganization	name: DRN	MS					
<u>HC</u>	OURLY EQUIPM	MENT CO	<u>OST</u>						
	Basic Machine	: CAT 9	50H			Horsepo	ower:	197	7
	Attachment 1	·				Shift E		1 per o	
	1 20000 11110 110 1					Data So		(CRO	
~	. 5. 1.1								
Cos	st Breakdown:			1	T T4:11:	. 0/			
	0 1: 0	. 4 /T T	<b>027.2</b> 2	,	Utilization	1 %			
	Ownership Co		\$25.38		NA 100				
	Operating Co		\$28.79		100				
	Operator Co	_	\$41.20		NA				
	Total Unit Co	st/Hour: _	\$95.37	7					
	Total Fleet Co	ost/Hour:	\$95.37	7					
$\mathbf{M}$	<u>ATERIAL QUAN</u>								
	TIERUIE VEIN	NITITES							
				CCY	Swell	l factor 1	215		
	Initial volume:	1,711	079	CCY	Swell	factor: <u>1.</u>	215		
		1,711	,079	LCY					
	Initial volume: Loose volume: Source	1,711 <b>2</b> ce of estima	ited volume:	LCY Division	of Reclama	I factor: 1.			
	Initial volume: Loose volume: Source	1,711 <b>2</b> ce of estima	<u></u>	LCY	of Reclama				
	Initial volume: Loose volume: Source	1,711 <b>2</b> ce of estima	ited volume:	LCY Division	of Reclama				
<u>HC</u>	Initial volume: Loose volume: Source	2 te of estimated sestimated s	ited volume:	LCY Division	of Reclama				
	Initial volume: Loose volume: Source Source of	2 te of estimated sestimated s	tted volume: swell factor:	LCY Division Cat Hand	of Reclama Ibook	tion, Mining	& Safety		
	Initial volume: Loose volume: Source of	2 te of estimated sestimated s	tted volume: swell factor:	LCY Division Cat Hand	of Reclama Ibook	tion, Mining	& Safety 0.500		minutes
	Initial volume: Loose volume: Source of DURLY PRODUC	1,711 2 see of estimated sectimated sectimated section.	tted volume: swell factor:	LCY Division Cat Hand	of Reclama Ibook	tion, Mining	& Safety 0.500		_
	Initial volume: Loose volume: Source of OURLY PRODUCTION OF Cycle Time: Cycle Time Fa	1,711 2 see of estimated sections	uted volume: swell factor:  Unadjus	LCY Division Cat Hand	of Reclama Ibook	tion, Mining	& Safety  0.500  Factor (min.)		Source
	Initial volume: Loose volume: Source of Source of DURLY PRODUC  ader Cycle Time: Cycle Time Fa Mat	1,711 2 te of estimated streetimated streeti	uted volume: swell factor: Unadjus	LCY Division Cat Hand sted Basic	of Reclama Ibook	tion, Mining	0.500 Factor (min.) 0.020		Source (Cat HB)
	Initial volume: Loose volume: Source of DURLY PRODUC ader Cycle Time: Cycle Time Fa Mat Stock	1,711 2 te of estimated s CTION actors terial: M kpile: Di	uted volume: swell factor:  Unadjus ixed material (	LCY Division Cat Hand sted Basic (	of Reclama Ibook Cycle Time	(load, dump, maneuver):	0.500 Factor (min.) 0.020 0.020		Source (Cat HB) (Cat HB)
	Initial volume: Loose volume: Source of DURLY PRODUCT ader Cycle Time: Cycle Time Fa Mat Stock Truck Owner	1,711  2 ce of estimated sestimated sestimat	uted volume:  Swell factor:  Unadjustixed material ( Sumped by true of adjustment -	Division Cat Hand Sted Basic  0.02 k 0.02 factor not	of Reclama Ibook Cycle Time	(load, dump, maneuver):	8. Safety  0.500  Factor (min.)  0.020  0.020  0.000		Source (Cat HB) (Cat HB) (Cat HB)
	Initial volume: Loose volume: Source of OURLY PRODUCT  ader Cycle Time: Cycle Time Fa Mat Stock Truck Owner	1,711 2 ce of estimated sestimated sestimate	uted volume:  Swell factor:  Unadjustived material (  umped by true  adjustment -  onstant operati	Division Cat Hand Sted Basic  0.02 k 0.02 factor not on -0.04	of Reclama Ibook Cycle Time	(load, dump, maneuver):	0.500 Factor (min.) 0.020 0.020 0.000 -0.040		Source (Cat HB) (Cat HB) (Cat HB) (Cat HB)
	Initial volume: Loose volume: Source of DURLY PRODUCT ader Cycle Time: Cycle Time Fa Mat Stock Truck Owner	1,711 2 ce of estimated sestimated sestimate	uted volume:  Swell factor:  Unadjustixed material ( Sumped by true of adjustment -	Division Cat Hand Sted Basic  0.02 k 0.02 factor not on -0.04 0.00	of Reclama lbook  Cycle Time  applicable (	(load, dump, maneuver):	0.500 Factor (min.) 0.020 0.020 0.000 -0.040 0.000		Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)
	Initial volume: Loose volume: Source of OURLY PRODUCT  ader Cycle Time: Cycle Time Fa Mat Stock Truck Owner	1,711 2 ce of estimated sestimated sestimate	uted volume:  Swell factor:  Unadjustived material (  umped by true  adjustment -  onstant operati	Division Cat Hand Sted Basic (1) 0.02 k 0.02 factor not (1) on -0.04 0.00 Net Cyc	of Reclama lbook  Cycle Time applicable (	(load, dump, maneuver):	8. Safety  0.500  Factor (min.)  0.020  0.000  -0.040  0.000  0.000		Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
	Initial volume: Loose volume: Source of OURLY PRODUCT  ader Cycle Time: Cycle Time Fa Mat Stock Truck Owner	1,711 2 ce of estimated sestimated sestimate	uted volume:  Swell factor:  Unadjustived material (  umped by true  adjustment -  onstant operati	Division Cat Hand Sted Basic (1) 0.02 k 0.02 factor not (1) on -0.04 0.00 Net Cyc	of Reclama lbook  Cycle Time  applicable (	(load, dump, maneuver):	0.500 Factor (min.) 0.020 0.020 0.000 -0.040 0.000		Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)
Loa	Initial volume: Loose volume: Source of DURLY PRODUC ader Cycle Time: Cycle Time Fa Mat Stock Truck Owner Opera Dump Ta	1,711  2 se of estimated se stimated se st	Unadjus  ixed material ( umped by true o adjustment - onstant operationinal target (	Division Cat Hand Sted Basic (1) 0.02 k 0.02 factor not (1) on -0.04 0.00 Net Cyc	of Reclama lbook  Cycle Time applicable (	(load, dump, maneuver):	8. Safety  0.500  Factor (min.)  0.020  0.000  -0.040  0.000  0.000		Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Loa	Initial volume: Loose volume: Source of OURLY PRODUCT  ader Cycle Time: Cycle Time Fa Mat Stock Truck Owner	1,711  2 se of estimated se stimated se st	Unadjus  ixed material ( umped by true o adjustment - onstant operationinal target (	Division Cat Hand Sted Basic (1) 0.02 k 0.02 factor not (1) on -0.04 0.00 Net Cyc	of Reclama lbook  Cycle Time applicable (	(load, dump, maneuver):	8. Safety  0.500  Factor (min.)  0.020  0.000  -0.040  0.000  0.000		Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Loa	Initial volume: Loose volume: Source of Source of DURLY PRODUC  Ader Cycle Time:  Cycle Time Fa  Mat  Stock Truck Owner  Opera  Dump Ta	1,711  2 se of estimated se certain sectors serial: Makpile: Durship: No action: Coarget: No coad Condition	Unadjus  ixed material ( umped by true) o adjustment - onstant operationinal target (  ions	Division Cat Hance  Sted Basic (  0.02 k 0.02 factor not fon -0.04 0.00  Net Cyc Adjuste	of Reclama dbook  Cycle Time applicable ( le Time Adjed Basic Cyc	(load, dump, maneuver):	0.500 Factor (min.) 0.020 0.020 0.000 -0.040 0.000 0.000 0.500		Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Loa	Initial volume: Loose volume: Source of Source of DURLY PRODUC  Ader Cycle Time:  Cycle Time Fa  Mat  Stock Truck Owner Opera Dump Ta	1,711  2 se of estimated se est	unadjus  ixed material ( umped by true) o adjustment - onstant operationinal target (  ions  ions  ed dirt, little m	Division Cat Hance  Sted Basic (  0.02 k 0.02 factor not fon -0.04 0.00 Net Cyc Adjuste	of Reclama dbook  Cycle Time applicable ( le Time Adj ed Basic Cyc e, no water,	(load, dump, maneuver):  0.00  ustment: ele Time:	8. Safety  0.500  Factor (min.) 0.020 0.020 0.000 -0.040 0.000 0.500  ration 4.0		Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Loa	Initial volume: Loose volume: Source of Source of DURLY PRODUC  Ader Cycle Time:  Cycle Time Fa  Mat  Stock Truck Owner  Opera  Dump Ta	1,711  2 se of estimated se est	Unadjus  ixed material ( umped by true) o adjustment - onstant operationinal target (  ions	Division Cat Hance  Sted Basic (  0.02 k 0.02 factor not fon -0.04 0.00 Net Cyc Adjuste	of Reclama dbook  Cycle Time applicable ( le Time Adj ed Basic Cyc e, no water,	(load, dump, maneuver):  0.00  ustment: ele Time:	8. Safety  0.500  Factor (min.) 0.020 0.020 0.000 -0.040 0.000 0.500  ration 4.0		Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Loa   Rol	Initial volume: Loose volume: Source of Source of DURLY PRODUC  Ader Cycle Time:  Cycle Time Fa  Mat  Stock Truck Owner Opera Dump Ta	1,711  2 se of estimated se est	unadjus  ixed material ( umped by true) o adjustment - onstant operationinal target (  ions  ions  ed dirt, little m	Division Cat Hance  Sted Basic (  0.02 k 0.02 factor not fon -0.04 0.00 Net Cyc Adjuste	of Reclama dbook  Cycle Time applicable ( le Time Adj ed Basic Cyc e, no water,	(load, dump, maneuver):  0.00  ustment: ele Time:	8. Safety  0.500  Factor (min.) 0.020 0.020 0.000 -0.040 0.000 0.500  ration 4.0		Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Loa   Rol	Initial volume: Loose volume: Source of Source of DURLY PRODUC  Inder Cycle Time:  Cycle Time Fa  Mat Stock Truck Owner Opera Dump Ta  Illing Resistance – R  Ha Retu	1,711  2 se of estimated se est	ixed material (umped by tructor) adjustment - onstant operationminal target (ions) ed dirt, little med dirt, little med dirt, little med swell according to the control of	Division Cat Hand Sted Basic  0.02 k 0.02 factor not ion -0.04 0.00 Net Cyc Adjuste	of Reclama lbook  Cycle Time  applicable ( le Time Adj d Basic Cyc e, no water, e, no water,	(load, dump, maneuver):  0.00  ustment:	8. Safety  0.500  Factor (min.)  0.020  0.020  0.000  -0.040  0.000  0.500  ration 4.0		Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes
Loa	Initial volume: Loose volume: Source of Source of DURLY PRODUC  Inder Cycle Time:  Cycle Time Fa  Mat Stock Truck Owner Opera Dump Ta  Illing Resistance – R  Ha Retu	1,711  2 se of estimated se est	ixed material (umped by tructor) adjustment - onstant operationminal target (ions) ed dirt, little med dirt, little med dirt, little med swell according to the control of	Division Cat Hance Sted Basic (2002) k 0.02 factor not fon -0.04 0.00 Net Cyc Adjuste maintenance maintenance	of Reclama dbook  Cycle Time applicable ( le Time Adj ed Basic Cyc e, no water,	(load, dump, maneuver):  0.00  ustment: ele Time:	8. Safety  0.500  Factor (min.) 0.020 0.020 0.000 -0.040 0.000 0.500  ration 4.0		Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes

Return Route:	450	1	5.00	4.00	9.00	0.4971	(Cat HB)	
Keturii Koute.	430		3.00	4.00	9.00	0.4971	(Cat IID)	
				Total T	Travel Time:	0.8205	minutes	
					Cycle Time:	1.3205	minutes	
				Total	cycle Tille.	1.3203		
Load Bucket Capacity								
Detail Cons		4.20	1.03	7 (1, 1)				
Rated Capac		4.30		(heaped)	(100.1	200/ ) 1 100		
Bucket Fill Fac		1.100		er - rock/dirt m	ixtures (100-1	20%) 1.100		
Adjusted Capac	city:	4.73	LCY	(				
Job Condition Correction	on Factors							
Site Altitude: 9750 feet								
				ource				
Altitude Adj		00	(CA	T HB)				
Job Efficiency:	0.	83	(1 sh	ift/day)				
Net Correction:	0.	83	mult	iplier				
II	nadjusted F	Iouely I Is	it Droduct	tion: 214	01 I CV	/Hour		
U	Adjusted F					/Hour		
		•				/Hour		
	Adjusted H	ourly Fie	et Produci	tion: 178	.38 LC1	Hour		
JOB TIME AND CO	<u>OST</u>							
Fleet size:	1	Loader	r(s)	Total job	time:	11.65	Hours	

Total job cost: **\$1,111** 

Unit cost: \$0.535 /LCY

## **BULLDOZER WORK**

Task description:	Spread Topsoil			
Bad Boys Pit	Permit Action:	2017 Update	Permit/Jo	b#: <u>M1996081</u>
PROJECT IDENTIFIC	<u>CATION</u>			
Task #: 003	State: Colorado		Abbreviation:	None
Date: 11/9/2017	County: Teller		Filename:	M081-003
User: ERR				
Agency or organ	ization name: DRMS			
HOURLY EQUIPMEN	NT COST			
	D8T - 8SU	<u> </u>		
Horsepower: 310		_		
• • • • • • • • • • • • • • • • • • • •	ni-Universal	<u> </u>		
	nank ripper	<u> </u>		
	er day	<u> </u>		
Data Source: (CF	RG)	_		
Cost Breakdown:	ı	TT.111		
O	ф02.01	<u>Utilization %</u>		
Ownership Cost/Hour:	\$83.81	NA 100		
Operating Cost/Hour: Ripper own.	\$66.17			
Cost/Hour:	\$7.55	NA		
Ripper op. Cost/Hour:	\$7.21	100		
Operator Cost/Hour:	\$41.85	NA	<del></del>	
MATERIAL QUANTI				
Initial Volume: 1,71 Swell factor: 1.21 Loose volume: 2,079				
Source of estimated volu Source of estimated swel		on, Mining & Safety		
factor:	- Cat Handbook			
HOURLY PRODUCT	ION			
Average push distance:	50 feet			
Unadjusted hourly production:	1,400.0 LCY/hr			
Materials consistency de	scription: Loose stockpile 1.2			
Average push	0 %			
gradient: Average site altitude:	9,750 feet			
Material weight:	1,600 lbs/LCY			
Weight description:	Top Soil			
Job Condition Correction I	Factor Skill: 0.750	Source (AVG.)		

Material consistency:	1.200	(CAT HB)
Dozing method:	1.000	(GEN.)
Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.8593

Adjusted unit production:

Adjusted fleet production:

1,203.02 LCY/hr

1203.02 LCY/hr

## **JOB TIME AND COST**

Fleet size: 1 Dozer(s)

Unit cost: \$0.172/LCY

Total job time: **1.73** Hours

Total job cost: \$357

# **REVEGETATION WORK**

Bad Boys Pit	Per	rmit Action: 2017	' Update		Permit/Job#	: <u>M1996081</u>
ROJECT IDENTIFICATION	<u>ON</u>					
Task #: 004 Date: 11/9/2017	State: County:	Colorado Teller		Ab		None M081-004
User: ERR	·			<del></del>		
Agency or organization	name: DR	RMS				
CRTILIZING						
nterials						
		Units /	<b>T</b> T •/	Car	st / Unit	Cost /A one
<b>Description</b> Ammonium nitrate, 33-0-0		Acre 121.20	Unit	\$0.3		Cost /Acre
Triple superphosphate, 0-46-0		86.90	pound pound	\$0.4		\$41.21 \$37.37
Tripie superpilospitate, 0-40-0		80.90	pound		tal Fertilizer  Materials  Cost/Acre	\$78.58
plication  Description						Cost /Acre
	NS 32 01 90	.13 0120)				Cost /Acre \$144.62
Description	NS 32 01 90.		l Fertilizer	Applicatio	on Cost/Acre	
Description	NS 32 01 90.		l Fertilizer	Applicatio	on Cost/Acre	\$144.62
<b>Description</b> Tractor towed spreader (MEA)	NS 32 01 90.		l Fertilizer	Applicatio	on Cost/Acre	\$144.62
Description Tractor towed spreader (MEA) LLING	NS 32 01 90.		l Fertilizer	Applicatio	on Cost/Acre	\$144.62 <b>\$144.62</b>
Description Tractor towed spreader (MEA)  LLING Description	NS 32 01 90.				on Cost/Acre	\$144.62 \$144.62 Cost /Acre
Description Tractor towed spreader (MEA)  LLING Description	NS 32 01 90.					\$144.62 \$144.62 Cost /Acre \$90.60
Description Tractor towed spreader (MEA)  LLING  Description Chisel plowing {DMG}	NS 32 01 90			Rate – PLS LBS /		\$144.62 \$144.62 Cost /Acre \$90.60
Description Tractor towed spreader (MEA)  LLING  Description Chisel plowing {DMG}	NS 32 01 90.			Fotal Tillin Rate – PLS	Seeds per SQ.	\$144.62 \$144.62 Cost /Acre \$90.60
Description Tractor towed spreader (MEA)  LLING  Description Chisel plowing {DMG}  EEDING  Seed Mix	NS 32 01 90.			Rate – PLS LBS / Acre	Seeds per SQ. FT	\$144.62 \$144.62 Cost /Acre \$90.60 \$90.60
Description Tractor towed spreader (MEA  LLING  Description Chisel plowing {DMG}  EDING  Seed Mix  Meadow Brome - Fleet	NS 32 01 90			Rate – PLS LBS / Acre 8.30	Seeds per SQ. FT	\$144.62 \$144.62 Cost /Acre \$90.60 \$90.60 Cost /Acre
Description Tractor towed spreader (MEA  LLING  Description Chisel plowing {DMG}  EDING  Seed Mix  Meadow Brome - Fleet Arizona Fescue - Redondo				Rate – PLS LBS / Acre 8.30 1.60	Seeds per SQ. FT 7.62 18.37	\$144.62 \$144.62 Cost /Acre \$90.60 \$90.60 Cost /Acre \$41.50 \$18.94

Application

\$217.44

Description		Cost /Acre
Broadcast seeding [DMG]		\$267.22
	<b>Total Seed Application Cost/Acre</b>	\$267.22

### **MULCHING and MISCELLANEOUS**

#### Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

**Application** 

Description		Cost /Acre
		\$
	Total Mulch Application Cost/Acre	\$0.00

#### **NURSERY STOCK PLANTING**

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

### **JOB TIME AND COST**

 No. of Acres:
 1.5
 Cost /Acre:
 \$798.46

 Estimated Failure Rate:
 25%
 Cost /Acre\*:
 \$575.26

\*Selected Replanting Work Items: TILLING,SEEDING
Initial Job Cost: \$1,197.69

Reseeding Job Cost: \$215.72

Total Job Cost: \$1,413

Job Hours: 2.00

# EQUIPMENT MOBILIZATION/DEMOBILIZATION

Tas	sk description: Mo	b/Demob of Rec	lamation	Equipment		
ite: _I	Bad Boys Pit	Permi	t Action:	2017 Update	Permit/Jo	bb#: <u>M1996081</u>
PRO	DJECT IDENTIFICAT	<u>ION</u>				
	Task #: 005 Date: 11/9/2017 User: ERR		Colorado Celler		Abbreviation: Filename:	None M081-005
	Agency or organization	n name: DRMS	S			
EQ	UIPMENT TRANSPOR  Truck Tractor Desc		ERIC ON-		Shift basis: Cost Data Source: RUCK TRACTOR, 6X4, IP (2ND HALF, 2006)	1 per day CRG Data DIESEL POWERED,
	Truck Trailer Description: GENERIC FOLDING GOOSENECK, DROP DECK EQUIPME TRAILER (25T, 50T, AND 100T)					•
Cost	Breakdown:					
Av	ailable Rig Capacities	0-25 Tons	26-50	Tons 5	51+ Tons	
	Ownership Cost/Hour:	\$16.63	\$18	3.37	\$22.33	
	Operating Cost/Hour:	\$44.38	\$46	5.13	\$50.07	
	Operator Cost/Hour:	\$27.66	\$27	.66	\$27.66	
	Helper Cost/Hour:	\$0.00	\$25	.39	\$25.39	
	Total Unit Cost/Hour:	\$88.67	\$11	7.55	\$125.45	

### **NON ROADABLE EQUIPMENT:**

Machine Description	Weight/ Unit (TONS)	Owner ship Cost/hr/ unit	Haul Rig Cost/hr/uni t	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Cat D8T - 8SU	53.08	\$91.36	\$125.45	1	\$216.81	\$125.45	\$250.00
CAT 950H	20.13	\$25.38	\$88.67	1	\$114.05	\$88.67	\$250.00

Subtotals: \$330.86 \$214.12 \$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	\$75.38	1	\$75.38	\$75.38

Subtotals: \$75.38 \$75.38

### **EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region: COLORADO SPRINGS
Total one-way travel distance: 52.60 miles
Average Travel Speed: 45.00 mph

Total Non-Roadable Mob/Demob Cost \*
 '\* two round trips with haul rig:
 Total Roadable Mob/Demob Cost \*\*
 \*\* one round trip, no haul rig:

\$2,604.90

\$176.22

#### **Transportation Cycle Time:**

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	1.17	1.17
Return Time (Hours):	1.17	1.17
Loading Time (Hours):	0.25	NA
Unloading Time (Hours):	0.25	NA
Subtotals:	2.84	2.34

### **JOB TIME AND COST**

Total job cost: 5.68 Hours

Total job cost: \$2,781