May 19, 2016

Rusty Taylor RnP Enterprises, Inc 1135 CR 30 Craig, CO 81626



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

1313 Sherman Street, Room 215 Denver, CO 80203

#### RE: Taylor Pit, Permit No. M-2013-006, Reclamation Costs Update and Notice of Surety Increase (SI-1)

Dear Mr. Taylor:

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>\$33,279</u> rounded up from <u>\$33,278.86</u>. This is an increase of <u>\$13,368</u> over the <u>\$19,911</u> currently held by the Division. This estimate is based on conditions observed during the May 10, 2016 inspection. *Therefore, pursuant to Section 34–32.5–117(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, July 18, 2016**. 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 Department of Natural Resources Division of Reclamation, Mining and Safety Phone: (970) 254-8511

Ec: Russ Means, Senior EPS / Field Office Supervisor, Grand Junction DRMS Enc: Financial Warranty Cost Estimate



## COST SUMMARY WORK

Task descrij	otion:	Recalculated after 2016 inspection					
Site: Taylor P	it	Per	rmit Action:	2016-05	Permit/Job	#: M2013006	
Task #:	$\frac{\textbf{IDENTIFIC}}{000}$	State:	Colorado		Abbreviation:	None M006-000	
Date: User:	5/18/2016 ACY ency or organiz	County:	Moffat		Filename:	14000-000	

TASK LIST (DIRECT COSTS)

Task		Form	Fleet	Task	
Lask	Description	Used	Size	Hours	Cost
01a	Transport overburden	LOADER	1	44.69	\$5,671.00
02a	Grade Overburden	GRADER	1	2.98	\$300.00
03a	Rip packed roads and stockpile areas	GRADER	1	2.98	\$312.00
04a	Transport topsoil	LOADER	1	29.88	\$3,793.00
05a	Grade topsoil	GRADER	1	5.00	\$502.00
06a	Reveg 6.5 acres	REVEGE	1	8.00	\$7,879.00
07a	Initial Mobilization	MOBILIZE	1	4.24	\$3,859.00
08a	Secondary Mobilization	MOBILIZE	1	4.24	\$1,934.00
		DTALS:	102.01	\$24,250	

## **INDIRECT COSTS**

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

Liability insurance:	2.02	Total =	\$489.85
Performance bond:	1.05	Total =	\$254.63
Job superintendent:	51.00	Total =	\$3,798.48
Profit:	10.00	Total =	\$2,425.00
		TOTAL O & P =	\$6,967.96
		CONTRACT AMOUNT (direct + O & P) = $($	\$31,217.96

#### LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): Engineering work and/or contract/bid preparation: Reclamation management and/or administration:	500.00 0.00 5.00	Total = Total =	500.00 \$0.00 \$1,560.90
CONTINGENCY:	0.00	Total =	\$0.00
	TOTAL IN	DIRECT COST =	\$9,028.86
TOTAL BO	ND AMOUNT (di	irect + indirect) =	\$33,278.86

#### WHEEL LOADER - LOAD AND CARRY WORK

Task description:	Transpor	t overburden				
: Taylor Pit		Permit Acti	on: 2016-05		Permit/Job#:	M2013006
PROJECT IDENTI	FICATION					
Task #: 01A		State: Colora			Abbreviation:	None
Date: <u>5/18/2016</u> User: ACY	<u> </u>	ounty: <u>Moffa</u>	t		Filename:	M006-01a
Agency or org	anization name	e: DRMS				
HOURLY EQUIPM	ENT COST					
Basic Machine:	CAT 966H			Horsep	ower:	262
Attachment 1:	ROPS Cab		_	Shift I		er day
			_	Data So	ource: (C	CRG)
Cost Breakdown:						
COSt Dieakdown.			Utilizatio	on %		
Ownership Cost	/Hour:	\$31.06	NA			
Operating Cost	/Hour:	\$57.24	100			
Operator Cost	/Hour:	\$38.60	NA			
Total Unit Cost	/Hour:	\$126.90				
Total Fleet Cos	st/Hour:	\$126.90				
MATERIAL QUAN	TITIES					
			, a	11.0	245	
	8,889			ell factor: <u>1</u> .	345	
Loose volume:	11,956	LCY				
Source	e of estimated v	volume: Staff	Field Estimate	s and Reclama	tion Plan	
Source of e	estimated swell	l factor: Cat I	Handbook			
HOURLY PRODUC	<u>CTION</u>					
Loader Cycle Time:	Unadiuste	d Basic Cycle T	ime (load) dum	n maneuver).	0.500	minutes
		a Dusie Cycle I	line (loud, duil	p, manea ver).		
Cycle Time Fac		al 3/4" to 6" diar			Factor (min.)	Source
Mater Stockp		or or dozer pile			0.000 0.010	(Cat HB) (Cat HB)
Truck Owners		on ownership of	Ų		-0.040	(Cat HB)
Operati	*	nt operation -0.0		0.07	-0.040	(Cat HB)
Dump Tar		al target 0.00	•		0.000	(Cat HB)
Dump Tur			t Cycle Time A	djustment:	-0.070	minutes
			ljusted Basic C		0.430	minutes
Dalling Desistants	ad Can I'd		~ .			
Rolling Resistance – Ro						
Hau		rt, little mainten				
Return	n: Rutted dir	rt, little mainten	ance, no water,	1" tire penetra	tion 4.0	
Haul and Return Time						
	T	C I D	D . 11	T. ( 1 D	T 1 T.	1
	Length (feat)	Grade Res. $(9)$	Rolling	Total Res. $(9/)$	Travel Time	Source
	(feet)	(%)	Res. (%)	(%)	(minutes)	1

Haul Route:

Return Route:

200

200

5.00

-5.00

4.00

4.00

9.00

-1.00

(Cat HB)

(Cat HB)

0.2457

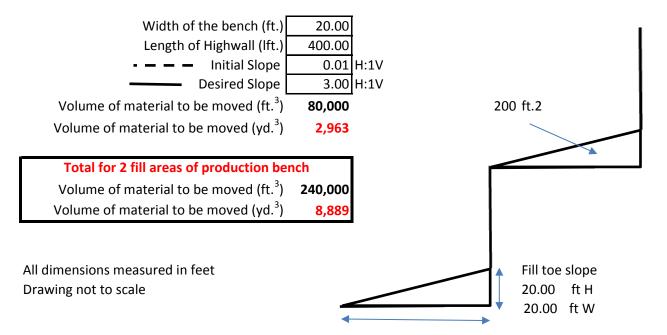
0.1387

			Total Travel Ti Total Cycle Ti		minutes
Load Bucket Capacity					
Rated Capac	ity: 5.00	LCY (heap	ed)		
Bucket Fill Fac	tor: 0.875	Blasted roc	k - well blasted	(80 - 95%) 0.875	
Adjusted Capac	ity: <b>4.38</b>	LCY			
Job Condition Correcti Site Altitude: 7000 fee					
		Source			
Altitude Adj:	1.00	(CAT HB)			
Job Efficiency:	0.83	(1 shift/day)	)		
Net Correction:	0.83	multiplier			
Ŭ	nadjusted Hourly U		322.30	_ LCY/Hour	
	Adjusted Hourly Un	-	267.51	_ LCY/Hour	
	Adjusted Hourly Fle	et Production:	267.51	_ LCY/Hour	
JOB TIME AND C	<u>OST</u>				
Fleet size:	1 Loader	(s) 7	Total job time:	44.69	Hours

Total job cost: **\$5,671** 

Unit cost: \_\_\_\_\_\$0.474 /LCY

## Highwall reduction - backfill



## MOTOR GRADER WORK

		rden				
Taylor Pit	P	ermit Action: 20	16-05	Peri	nit/Job#:	M2013006
PROJECT IDENT	<b>IFICATION</b>					
Task #:         02A           Date:         5/18/201           User:         ACY	6 State County				viation: ename:	None M006-02a
Agency or or	ganization name: <u>I</u>	ORMS				
HOURLY EQUIPM	MENT COST					
Basic Mach Ripper Attachme				Horsepower:	1 pe	58 r day RG)
Cost Breakdown:			1			
Or Ripper Or C	vnership Cost/Hour: perating Cost/Hour: perating Cost/Hour: Operator Cost/Hour: otal Unit Cost/Hour:	\$22.63 \$41.86 \$0.00 \$35.83 \$100.32		Utilization % NA 100 NA		
	tal Fleet Cost/Hour:	\$100.32				
Total Ar	ea to be graded or rip	ped: 3.00				acres
	arce of estimated acre	·	Estimates an	d Reclamation Pla	<u>an</u>	acres
Sou	arce of estimated acre	age: Staff Field	Estimates an 1.50	d Reclamation Pla	<u></u>	acres
Sou	urce of estimated acre <u>CTION</u> Average Grader Selected Appli	age: <u>Staff Field</u> Speed:	1.50 Finish gi	mph ading (0-2.5 mph		acres
Sou	arce of estimated acre <u>CTION</u> Average Grader Selected Appli Selected Blade	age: <u>Staff Field</u> Speed: Cation: Angle:	1.50 Finish gr 45	mph ading (0-2.5 mph degrees		acres
Sot	urce of estimated acre <u>CTION</u> Average Grader Selected Appli	age: <u>Staff Field</u> Speed: Cation: Angle:	1.50 Finish gi	mph ading (0-2.5 mph		acres
Sou HOURLY PRODU Widt Net gradin	Irce of estimated acre <u>CTION</u> Average Grader Selected Appli Selected Blade Effective Blade L th of blade overlap pend ag or ripping width pend	age: <u>Staff Field</u> Speed: cation: Angle: ength: r pass:	1.50 Finish gi 45 8.50 2.00 6.50	mph ading (0-2.5 mph degrees feet feet feet feet	) - 1.5	acres
Sou HOURLY PRODU Widt Net gradin Unadjust	Tree of estimated acreent CTION Average Grader Selected Application Selected Blade Effective Blade L th of blade overlap per ag or ripping width per ted Hourly Unit Product	age: <u>Staff Field</u> Speed: cation: Angle: ength: r pass:	1.50 Finish gr 45 8.50 2.00 6.50 1.1818	mph ading (0-2.5 mph degrees feet feet feet feet acres/hour	) - 1.5	acres
Sou HOURLY PRODU Widt Net gradin	Tree of estimated acreent CTION Average Grader Selected Application Selected Blade Effective Blade L th of blade overlap per ag or ripping width per ted Hourly Unit Product	age: Staff Field Speed: Cation: Angle: ength: r pass: uction:	1.50 Finish gr 45 8.50 2.00 6.50 1.1818	mph ading (0-2.5 mph degrees feet feet feet feet	) - 1.5	acres
Sou <u>HOURLY PRODU</u> Wida Net gradin Unadjust Job Condition Correcti	Irce of estimated acre <u>CTION</u> Average Grader Selected Appli Selected Blade Effective Blade L th of blade overlap per ag or ripping width per ted Hourly Unit Produced	age: Staff Field Speed: Cation: Angle: ength: r pass: uction: Source	1.50 Finish gr 45 8.50 2.00 6.50 1.1818	mph ading (0-2.5 mph degrees feet feet feet feet acres/hour	) - 1.5	acres
Sou HOURLY PRODU Widt Net gradin Unadjust	Irce of estimated acre <u>CTION</u> Average Grader Selected Appli Selected Blade Effective Blade L th of blade overlap per ag or ripping width per ted Hourly Unit Produced International Sectors 1.00	age: Staff Field Speed: Cation: Angle: ength: r pass: uction:	1.50 Finish gr 45 8.50 2.00 6.50 1.1818	mph ading (0-2.5 mph degrees feet feet feet feet acres/hour	) - 1.5	acres
Sou HOURLY PRODU Widt Net gradin Unadjust Job Condition Correcti Altitude Adj:	Irce of estimated acre CTION Average Grader Selected Appli Selected Blade Effective Blade L th of blade overlap per ag or ripping width per ted Hourly Unit Produced International States Sta	age: Staff Field Speed: cation: Angle: ength: r pass: uction: Source (CAT HB)	1.50 Finish gr 45 8.50 2.00 6.50 1.1818	mph ading (0-2.5 mph degrees feet feet feet feet acres/hour	) - 1.5	acres
Sou HOURLY PRODU Widt Net gradin Unadjus Job Condition Correcti Altitude Adj: Job Efficiency:	Irce of estimated acre CTION Average Grader Selected Applin Selected Blade Effective Blade L th of blade overlap per ag or ripping width per ted Hourly Unit Produced International States St	age: Staff Field Speed:	1.50 Finish gr 45 8.50 2.00 6.50 1.1818	mph ading (0-2.5 mph degrees feet feet feet feet acres/hour	) - 1.5	acres
Sou HOURLY PRODUC Widt Net gradin Unadjust Job Condition Correcti Altitude Adj: Job Efficiency: Net Correction:	Average Grader Selected Appli Selected Blade Effective Blade L th of blade overlap per or ripping width per ted Hourly Unit Produce <u>1.00</u> 0.85 0.8500 Adjusted Hourly Unit Adjusted Hourly Flee OST	age: Staff Field Speed: Cation: Angle: ength: r pass: uction: Source (CAT HB) (1sh/d, mod.) multiplier it Production: et Production:	1.50 Finish gr 45 8.50 2.00 6.50 1.1818 Site 1.0045 1.0045	mph ading (0-2.5 mph degrees feet feet feet acres/hour Altitude: 7000 fe	) - 1.5 	
Sou HOURLY PRODU Widt Net gradin Unadjust Job Condition Correcti Altitude Adj: Job Efficiency: Net Correction:	Average Grader Selected Applia Selected Applia Selected Blade Effective Blade L th of blade overlap per ag or ripping width per ted Hourly Unit Produced ion Factors 1.00 0.85 0.8500 Adjusted Hourly Unit Adjusted Hourly Flee	age: Staff Field Speed: Cation: Angle: ength: r pass: uction: Source (CAT HB) (1sh/d, mod.) multiplier it Production: et Production:	1.50 Finish gr 45 8.50 2.00 6.50 1.1818 Site 1.0045	mph ading (0-2.5 mph degrees feet feet feet acres/hour Altitude: <u>7000</u> fe	) - 1.5 	Hours

## MOTOR GRADER WORK

Task description:	Rip packed roa	ds and stockpile areas				
Taylor PitPermit Action:2016-05			Permit/Job#: M2013006			
PROJECT IDENTIF	<u>ICATION</u>					
Task #: 03A	State:	Colorado	Abbr	eviation: None		
Date: 5/18/2016	County:	Moffat	F	ilename: M006-03a		
User: ACY						
Agency or orga	nization name: D	RMS				
HOURLY EQUIPM	ENT COST					
Basic Machin	e: CAT 12M		Horsepower:	158		
Ripper Attachmen	t: Multi-Shank R	ipper	Shift Basis:	1 per day		
			Data Source:	(CRG)		
Cost Breakdown:			1			
0		¢04.44	Utilization %			
	ership Cost/Hour:	\$24.44 \$41.86	<u>NA</u> 100			
	rating Cost/Hour:	\$2.13	100			
	erator Cost/Hour:	\$35.83	NA			
Tota	l Unit Cost/Hour:	\$104.26				
Total	Fleet Cost/Hour:	\$104.26				
	PLATEC					
MATERIAL QUAN						
Total Area	to be graded or ripp	ed: <u>3.50</u>		acres		
Source	ce of estimated acrea	ge: Staff Field Estima	ates and Reclamation F	Plan		
HOURLY PRODUC	TION					
	Average Grader S	peed: 1.50	mph			
	Selected Applic	-	Ripping (0-3 mph) -	1.50		
	Selected Blade A		degrees			
	Effective Blade Le					
	of blade overlap per					
	or ripping width per d Hourly Unit Produ			111*		
Job Condition Correction	2	1.578	Site Altitude: 7000			
	<u></u>	Source	<u></u>			
Altitude Adj:	1.00	(CAT HB)				
Job Efficiency:	0.85	(1sh/d, mod.)				
Net Correction:	0.8500	multiplier				
A	Adjusted Hourly Uni	t Production: 1.17	acres/Hour			
	djusted Hourly Flee					
JOB TIME AND CO	<u>ST</u>					
	1 Grader(s	) Total job	time: <b>2.99</b>	Hours		
Unit cost: \$89	9.00 per acre	Total job	o cost: \$312			
	I	5				

#### WHEEL LOADER - LOAD AND CARRY WORK

Task description	n:	Transport tops	soil				
: Taylor Pit		P	ermit Action	: 2016-05		Permit/Job#:	M2013006
PROJECT I	DENTIFIC	ATION					
Task #: 0	4A	State	: Colorad	0		Abbreviation:	None
	/18/2016	State		0		Filename:	M006-04a
	ACY	County	. <u>Wioiiat</u>			Phename.	W1000-04a
Agen	cy or organiza	ation name:	ORMS				
HOURLY E	QUIPMENT	<u>Г COST</u>					
Basic M	achine: CA	AT 966H			Horse	power:	262
		DPS Cab				1	er day
						1	CRG)
							/
Cost Breakdow	<u>'n:</u>			TTC1:	0/		
Orumon	hin Cost/Hou	¢2	1.06	Utilizati			
	ship Cost/Hou ting Cost/Hou		1.06 7.24	NA 100			
	ator Cost/Hou		8.60	NA			
-	Jnit Cost/Hou		8.00 26.90	INA			
Total	Jiiit Cost/Hou	ur	20.90	_			
Total l	Fleet Cost/Ho	ur: \$12	26.90				
MATERIAL Initial vol Loose vol	ume: <u>7,98</u>		CCY	Sw	ell factor:	1.215	
	Source of e	stimated volum			8" covering 6	.5 acres	
So	ource of estim	ated swell facto	or: Cat Ha	ndbook			
HOURLY P		<u>DN</u> Unadjusted Basi	ic Cvcle Tim	ne (load. dum	p. maneuver)	: 0.500	minutes
Cycle	Time Factors	3	•			Factor (min.)	Source
Cycle I	Material:	Mixed mater	ial 0 02			0.020	(Cat HB)
	Stockpile:	Conveyor or		10 ft. high or	less 0 01	0.020	(Cat HB)
Truck	Ownership:	Common ow				-0.040	(Cat HB)
THUCK	Operation:	Constant ope	<u> </u>	ueno una 10a		-0.040	(Cat HB)
D	ump Target:	Nominal targ				0.000	(Cat HB)
D	p rungett	i tominur turg	/	Cycle Time A	diustment:	-0.050	minutes
				isted Basic C	•	0.450	minutes
Rolling Resista	nce – Road C	Conditions	1				
	Haul:	Rutted dirt, littl	a maintanan	ca no water	?" tire nonat	ration 5.0	
		Rutted dirt, littl					
				ce, no water,			
Haul and Retur	<u>n Time</u>						
	Le	ength Gra	de Res.	Rolling	Total Res.	Travel Time	
		-	(%)	Res. (%)	(%)	(minutes)	Source

200

200

Haul Route:

Return Route:

5.00

-5.00

5.00

5.00

(Cat HB)

(Cat HB)

0.2610

0.1327

10.00

0.00

			Total Travel T Total Cycle T		0.3937 <b>0.8437</b>	minutes minutes
Load Bucket Capacity						
Rated Capacity Bucket Fill Factor	:: 1.100		nped) ock/dirt mixtures	(100-1	120%) 1.100	
Adjusted Capacity	5.50	LCY				
Job Condition Correction Site Altitude: 7000 feet	Factors					
		Source				
Altitude Adj:	1.00	(CAT HE	<u>,                                     </u>			
Job Efficiency:	0.83	(1 shift/da	y)			
Net Correction:	0.83	multiplier				
Una	djusted Hourly Uni	t Production:	391.15	LC	Y/Hour	
A	djusted Hourly Uni	t Production:	324.66	LC	Y/Hour	
A	djusted Hourly Flee	t Production:	324.66	LC	Y/Hour	
JOB TIME AND CO	<u>ST</u>					
Fleet size: 1	Loader(s	)	Total job time:		29.89	Hours

Unit cost:	\$0.391	/LCY	Total job cost:	\$3,793
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## MOTOR GRADER WORK

Task description:	Grade topsoil				
: Taylor Pit	Pe	ermit Action:	2016-05	Permi	it/Job#: <u>M2013006</u>
PROJECT IDENT	<b>FICATION</b>				
Task #:         05A           Date:         5/18/201           User:         ACY				Abbrevi Filer	ation: None name: M006-05a
Agency or or	ganization name: <u>I</u>	DRMS			
HOURLY EQUIPM	<u>IENT COST</u>				
Basic Mach Ripper Attachme				Horsepower: Shift Basis: Data Source:	158 1 per day (CRG)
Cost Breakdown:			1		
Or Ripper Or C	nership Cost/Hour: berating Cost/Hour: berating Cost/Hour: berator Cost/Hour: tal Unit Cost/Hour:	\$22 \$41 \$0. \$35 \$100	.86 00 .83	Utilization % NA 100 NA	
	al Fleet Cost/Hour:	\$100	<u> </u>		
Sou	rce of estimated acre	age: <u>Staff Fi</u>	eld Estimates a	nd Reclamation Plan	<u>.                                    </u>
	Average Grader	Speed:	1.50	mph	
	Selected Appli			grading (0-2.5 mph)	- 1.5
Net gradin	Selected Blade . Effective Blade L h of blade overlap pe g or ripping width pe	ength: r pass: r pass:	30 10.40 2.00 8.40	degrees feet feet feet feet	
5	ted Hourly Unit Produ	uction:	1.5273	acres/hour	
Job Condition Correcti	on Factors	C	510	e Altitude: 7000 feet	t
Altitude Adj: Job Efficiency: Net Correction:	1.00 0.85 0.8500	Source (CAT HB (1sh/d, mo multiplier			
	Adjusted Hourly Un Adjusted Hourly Flee		1.2982 1.2982	acres/Hour acres/Hour	
JOB TIME AND C		×.			
Fleet size:	1 Grader(s	5)	Total job time:		Hours
Unit cost: \$	77.28 per acre		Total job cost:	\$502	

# **REVEGETATION WORK**

Task descrip	otion:	Reveg 6.5 acres			
e: Taylor P	it	Permit Action:	2016-05	Permit/Job	#: <u>M2013006</u>
PROJECT	IDENTIFIC	CATION			
Task #:	06A	State: Colorado		Abbreviation:	None
Date:	5/18/2016	County: Moffat		Filename:	M006-06a
User:	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
	\$
Total Tilling Cost/Acre	\$0.00

## **SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Orchardgrass - Shawnee	0.30	3.72	\$0.35
Smooth Brome - Manchar	1.60	5.33	\$3.15
Intermediate Wheatgrass - Rush	2.50	5.34	\$5.60
Sainfoin - Remont	2.50	1.09	\$7.05
Pubescent Wheatgrass - Topar	2.25	4.65	\$4.84
Totals Seed Mix	9.15	20.12	\$20.99

Application

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

#### **MULCHING and MISCELLANEOUS**

#### Materials

	Units /			
Description	Acre	Unit	Cost / Unit	Cost /Acre
Hay, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$265.00	\$530.00
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$1.25	\$1.25
Total Mulch Materials Cost/Acre				\$531.25

## Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$66.02
Power mulcher (MEANS 32 91 13.16 0350)		\$97.14
Weed spray, truck, non-aquatic area, nox. [DMG]		\$62.72
Total	Mulch Application Cost/Acre	\$225.88

#### NURSERY STOCK PLANTING

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

## JOB TIME AND COST

Estimate	No. of Acres: ed Failure Rate:		Cost /Acre: Cost /Acre*:	
		SEEDING, MULCHI		
Initial Job Cost:	\$6,565.78			
Reseeding Job Cost:	\$1,313.16			
Total Job Cost:	\$7,879			
Job Hours:	8.00			

# EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description:	Ini	tial Mobilization					
Taylor Pit		Permit	Action: _2016	-05	]	Permit/Job#: <u>M</u>	2013006
PROJECT IDE	NTIFICATI	ON					
Task #: 07A	Δ	State: Co	lorado		Abbre	eviation: None	
Date: 5/12 User: AC	8/2016 Y	County: Mo	offat		Fi	lename: M006	-07a
Agency of	or organization	n name: DRMS					
EQUIPMENT 1	RANSPOR	<u>T RIG COST</u>					
					Shift ba		
				C	Cost Data Sou	rce: CRG Da	ta
	Tractor Desc	-	ENERIC FOLD	400 HP ING GOO	(2ND HALF, SENECK, DF	ROP DECK EQUI	
			r	FRAILER (	(25T, 50T, AN	ND 100T)	
Cost Breakdown:							
Available Rig C	anacities	0-25 Tons	26-50 Tons	51+	Tons		
	Cost/Hour:	\$16.63	\$18.37		2.33		
	Cost/Hour:	\$44.38	\$46.13		0.07		
	Cost/Hour:	\$27.66	\$27.66		7.66		
	Cost/Hour:	\$0.00	\$25.39		5.39		
	Cost/Hour:	\$88.67	\$117.55		25.45		
NON ROADAB	LE EQUIPN	MENT:					
Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return Trip	DOT Permit
				~ .			
Description	Unit (TONS)	Cost/hr/ unit	Cost/hr/uni t	Size	Cost/hr/ fleet	Cost/hr/ fleet	Cost/ fleet
-	(TONS)		t	Size	fleet		Cost/ fleet
CAT 966H	(TONS) 25.80	\$31.06	t \$88.67	1	fleet \$119.73	\$88.67	Cost/ fleet \$250.00
-	(TONS)		t		fleet		Cost/ fleet
CAT 966H CAT 12M Drill/Broadcast Seeder with	(TONS) 25.80 16.01	\$31.06 \$24.44	t \$88.67 \$88.67	1	fleet \$119.73 \$113.11	\$88.67 \$88.67	Cost/ fleet \$250.00 \$250.00

#### **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.	\$32.80	1	\$32.80	\$32.80
		Subtotals:	\$32.80	\$32.80

## **EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region: Total one-way travel distance: Average Travel Speed:	CRAIG, CO 28.00 50.00	miles mph
Total Non-Roadable Mob/Demob Cost *	\$3,822.46	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$36.74	

Transportation Cycle Time:

Haul Time (Hours): Return Time (Hours): Loading Time (Hours): Unloading Time (Hours):	Non- Roadable Equipment 0.56 0.56 0.50 0.50	Roadable Equipment 0.56 0.56 NA NA
Unloading Time (Hours):	0.50	NA
Subtotals:	2.12	1.12

#### JOB TIME AND COST

Total job time: **4.24** Hours

Total job cost: \$3,859

# EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description:	Sec	ondary Mobilizat	tion				
: Taylor Pit		Permit	Action: _2016	-05	1	Permit/Job#:	M2013006
PROJECT IDE	NTIFICATI	<u>ON</u>					
Task #: 084	4	State: Co	lorado		Abbre	eviation: No	ne
Date: 5/1 User: AC	8/2016 CY		offat		Fi	ilename: MO	006-08a
Agency	or organization	n name: DRMS					
EQUIPMENT 1	<b>FRANSPOR</b>	T RIG COST					
				C	Shift ba Cost Data Sour	F *	
Truck	c Tractor Desc	ription: GENE	RIC ON-HIGH		CK TRACTO (2ND HALF,		EL POWERED,
Truc	k Trailer Desc	ription: G	ENERIC FOLD		SENECK, DF (25T, 50T, AN		UIPMENT
Cost Breakdown:							
Available Rig C	apacities	0-25 Tons	26-50 Tons	51+	Tons		
	Cost/Hour:	\$16.63	\$18.37		2.33		
	g Cost/Hour:	\$44.38	\$46.13		0.07		
	r Cost/Hour:	\$27.66	\$27.66		7.66		
Helper	r Cost/Hour:	\$0.00	\$25.39	\$2	5.39		
Total Uni	t Cost/Hour:	\$88.67	\$117.55	\$12	25.45		
NON ROADAB	LE EQUIPN	MENT:					
Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return Trip	DOT Permit
Description	Unit (TONS)	Cost/hr/ unit	Cost/hr/uni t	Size	Cost/hr/ fleet	Cost/hr/ flee	t Cost/ fleet
Drill/Broadcast Seeder with Tractor	25.00	\$39.59	\$88.67	1	\$128.26	\$88.67	\$250.00
Power Mulcher (Reinco M90)	6.00	\$7.03	\$88.67	1	\$95.70	\$88.67	\$250.00
					-		

## **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.	\$32.80	1	\$32.80	\$32.80
		Subtotals:	\$32.80	\$32.80

## **EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region: Total one-way travel distance: Average Travel Speed:	CRAIG, CO 28.00 50.00	miles mph
Total Non-Roadable Mob/Demob Cost *	\$1,897.38	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$36.74	

Transportation Cycle Time:

Haul Time (Hours): Return Time (Hours): Loading Time (Hours): Unloading Time (Hours):	Non- Roadable Equipment 0.56 0.56 0.50 0.50	Roadable Equipment 0.56 0.56 NA NA
Unloading Time (Hours):	0.50	NA
Subtotals:	2.12	1.12

#### JOB TIME AND COST

Total job time: **4.24** Hours

Total job cost: \$1,934