

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

1313 Sherman Street, Room 215 Denver, CO 80203

August 16, 2019

Forrest Luke Williams Fork Mining Company P.O. Box 187 Craig, CO 81626

RE: Williams Fork Pit, Permit No. M-1984-168, Technical Revision (TR-7) Approval

Dear Mr. Luke:

On August 16, 2019 the Division of Reclamation, Mining and Safety (Division) <u>approved</u> the Technical Revision request (TR-7) submitted on April 15, 2019, addressing the following:

Add existing phases within existing permit area

The terms of the TR-7 approved by the Division are hereby incorporated into Permit No. M-1984-168. All other conditions and requirements of the permit remain in full force and effect.

The estimated liability amount of \$137,389 exceeds the \$123,400 Financial Warranty currently held for this site. If you have not already done so, please submit additional bond in the amount of \$13,989. Please review the enclosed figures as soon as possible and contact our office if any calculation errors are noted. The revision will not be final until the bond is approved by the Division.

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 303-866-3567 Ext 8183 or via email at amy.yeldell@ state.co.us

Sincerely,

Amy Geldell

Amy Yeldell Environmental Protection Specialist

Cc: Travis Marshall, Senior EPS, Grand Junction DRMS



COST SUMMARY WORK

Т	ask descrip	otion:	TR-7 Update				_	
Site:	Williams	Fork Pit	Pe	rmit Action:	TR-7	Permit/Jol	o#: <u>M1984168</u>	
<u>P</u>]	ROJECT Task #:	<u>IDENTIFIC</u> ACY	CATION State:	Colorado		Abbreviation:	None	
	Date: User:	8/13/2019 ACY	County:	Moffat		Filename:	M168-ACY	
	Age	ency or organiz	zation name: DF	RMS				

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Removal of on-site structures	DEMOLISH	1	16.00	\$974
02a	Pump south lake	PUMPING	1	264.19	\$17,059
03a	Transport Overburden	SCRAPER1	1	18.83	\$22,129
03b	Grade banks of south lake	DOZER	2	7.99	\$3,635
04a	Rip access road and stockpile areas	RIPPER	2	3.11	\$1,534
05a	Transport topsoil	SCRAPER1	1	38.55	\$45,311
05b	Place topsoil	DOZER	2	8.10	\$3,685
06a	Revegetate disturbed areas	REVEGE	1	24.00	\$11,999
07a	Mobilization of reclamation crew and equipment	MOBILIZE	1	2.57	\$4,441
07b	Secondary mobilization of reclamation crew and equipment	MOBILIZE	1	2.57	\$737
		<u>SUBTO</u>	TALS:	385.91	\$111,504

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$2,252
Performance bond:	1.05	Total =	\$1,171
Job superintendent:	61.86	Total =	\$4,292
Profit:	10.00	Total =	\$11,150
		TOTAL O & P =	\$18,866
		CONTRACT AMOUNT (direct + $O \& P$) =	\$130,370
			<i><i><i>q</i>100,570</i></i>

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	\$500	Total =	\$500
Engineering work and/or contract/bid preparation:	0.00	Total =	\$0
Reclamation management and/or administration:	5.00		\$6,519
CONTINGENCY:	0.00	Total =	\$0
	TOTAL	INDIRECT COST =	\$25,885

TOTAL BOND AMOUNT (direct + indirect) = ____\$137,389

DEMOLITION WORK

7	Fask description:	Removal of on-site	e structur	es		
Site:	Williams Fork Pit	Permit	Action:	TR-7	Permit/.	Job#: <u>M1984168</u>
'ROJE	CT IDENTIFICATIO	<u>N</u>				
Task #:	01A	State: Colo	orado		Abbreviation:	None
Date:	8/13/2019	County: Mof	fat		Filename:	M168-01a
	ACY					

UNIT COSTS

Location adjustment: 90.70 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Scale house	8 x 8 x 8	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	512.00	CF	\$0.19	\$96.26
Scale house concrete footers	60 x 10	Demo. and on-site disposal in existing pit, 1.0 ft. x 2 ft Max. 10,000 ft. haul	140.00	LF	\$3.59	\$502.98
Scale	60 x 10 x 2	Loading and 5 mile haul, salvage allowed - Steel frame structures	45.00	CY	\$10.55	\$474.75

				Total Cost	
		Subtotal		(adjusted for	
Job Hours:	16.00	(unadjusted):	\$1,073.99	location):	\$974.11

PUMPING WORK

Task description:		south lake			
: Williams Fork Pit		Permit Actio	n: TR-7	Permit/Job#:	M1984168
PROJECT IDENTIF	TICATIC	<u>DN</u>			
Task #: 02A Date: 8/13/2019 User: ACY		State: Colora County: Moffat			None M168-02a
Agency or orga	nization r	ame: DRMS			
HOURLY EQUIPMI					
HOUKLI EQUI MI				Orrentiter	
Make and Model:	Descrip	rsible pump - 460v, 0	5 in	Quantity 2	
Attachment 1:		1 hose - 6 in. diam., 2		4	
Attachment 2:		rge hose - 6 in. D., 2		2	
Labor Unit 1:		operator	- · ·	1	
Horsepower:	60	•			
	per day				
	0.45				
6	S Tons)				
Cost Breakdown:					
Cost Dicardo wil.			Utilization %		
Ownership Cost/	Hour:	\$17.84	NA		
Operating Cost/	Hour:	\$19.08	100		
Operator Cost/	Hour:	\$27.65	NA		
Total Unit Cost/	Hour:	\$64.57			
Total Fleet Cost	Hour	\$64.57			
		\$04.37			
PUMPING QUANTI	TIES				
Initial Pond Vol	lume:	67,439,640.00		Conversion factor:	1.0000
Final Pond Vol	lume:	67,439,640.00	gallons	-	
Total Pond Inflow Su	ırface			Unit inflow rate in	
	Area:	1	Sq. ft.	gph/sq. ft.:	0.0000
Total Pond Inflow Vo	olume Hour:	0.00	gallons		
			0		
Source	of estimat	\mathbf{R}_{-}	provided		
	or estimat				
PUMPING TIME	or estimat				
		imp Capacity:	130,000	gph/pump	
Ma	ximum Pu			gph/pump feet	
 Ma: E	ximum Pu Estimated S	mp Capacity: Suction Head: scharge Head:	130,000 30 10	feet feet	
 Ma: E	ximum Pu Estimated S mated Dis	Imp Capacity: Suction Head: Scharge Head: Total Head:	130,000 30 10 40	feet feet feet	
 Ma: E	ximum Pu Estimated S mated Dis	Imp Capacity: Suction Head: Scharge Head: Total Head: Imp Capacity:	130,000 30 10 40 117,000	feet feet feet gph/pump	
 Ma: E	ximum Pu Estimated S mated Dis	Imp Capacity: Suction Head: Scharge Head: Total Head:	130,000 30 10 40	feet feet feet	
Ma: E Esti	ximum Pu Estimated S mated Dis CPB Pu	Imp Capacity: Suction Head: Scharge Head: Total Head: Imp Capacity: Site Altitude:	130,000 30 10 40 117,000 6,150	feet feet feet gph/pump feet	
Ma: E Esti Adjus	ximum Pu Estimated S mated Dis CPB Pu Sted Pump	imp Capacity: Suction Head: scharge Head: Total Head: imp Capacity: Site Altitude: ping Capacity:	130,000 30 10 40 117,000 6,150 234,000	feet feet gph/pump feet gph	
Ma: E Esti Adjus Initial Una	ximum Pu Estimated S mated Dis CPB Pu CPB Pu sted Pump djusted Pu	imp Capacity: Suction Head: scharge Head: Total Head: imp Capacity: Site Altitude: ping Capacity: umping Time:	130,000 30 10 40 117,000 6,150 234,000 288.20	feet feet gph/pump feet gph hours	
Ma: E Esti Adjus Initial Una Inflow	ximum Pu Estimated S mated Dis CPB Pu CPB Pu sted Pump djusted Pu during Ini	imp Capacity: Suction Head: Scharge Head: Total Head: imp Capacity: Site Altitude: ping Capacity: imping Time: tial Pumping:	$ \begin{array}{r} 130,000 \\ 30 \\ 10 \\ 40 \\ 117,000 \\ 6,150 \\ 234,000 \\ 288.20 \\ 0 \\ \end{array} $	feet feet gph/pump feet gph hours gallons	
Ma: E Esti Adjus Initial Una Inflow Net Una	ximum Pu Estimated S mated Dis CPB Pu Sted Pump djusted Pu during Ini djusted Pu	imp Capacity: Suction Head: scharge Head: Total Head: imp Capacity: Site Altitude: ping Capacity: imping Time: itial Pumping:	$ \begin{array}{r} 130,000 \\ 30 \\ 10 \\ 40 \\ 117,000 \\ 6,150 \\ 234,000 \\ 288.20 \\ 0 \\ 288.20 \\ 0 \\ 288.20 \\ \end{array} $	feet feet gph/pump feet gph hours gallons Hours	
Ma: E Esti Adjus Initial Una Inflow Net Una Altit	ximum Pu Estimated S mated Dis CPB Pu Sted Pump djusted Pu during Ini djusted Pu ude Adjus	imp Capacity: Suction Head: Scharge Head: Total Head: imp Capacity: Site Altitude: ing Capacity: imping Time: imping Time: imping Time: imping Time:	$ \begin{array}{r} 130,000 \\ 30 \\ 10 \\ 40 \\ 117,000 \\ 6,150 \\ 234,000 \\ 288.20 \\ 0 \\ \end{array} $	feet feet gph/pump feet gph hours gallons Hours (3% rule)	
Ma: E Esti Adjus Initial Una Inflow Net Una Altit F	ximum Pu Estimated S mated Dis CPB Pu sted Pump djusted Pu during Ini djusted Pu ude Adjus Pump Effic	imp Capacity: Suction Head: scharge Head: Total Head: imp Capacity: Site Altitude: ping Capacity: imping Time: itial Pumping:	$ \begin{array}{r} 130,000 \\ 30 \\ 10 \\ 40 \\ 117,000 \\ 6,150 \\ 234,000 \\ 288.20 \\ 0 \\ 288.20 \\ 1.0000 \\ 1.0000 $	feet feet gph/pump feet gph hours gallons Hours	
Ma: E Esti Adjus Initial Una Inflow Net Una Altit P Total A	ximum Pu Estimated S mated Dis CPB Pu sted Pump djusted Pu during Ini djusted Pu ude Adjus Pump Effic djusted Pu	imp Capacity: Suction Head: Scharge Head: Total Head: imp Capacity: Site Altitude: ing Capacity: imping Time: imping Time: imping Time: imping Time: imping Time: imping Time: imping Time:	$ \begin{array}{r} 130,000 \\ 30 \\ 10 \\ 40 \\ 117,000 \\ 6,150 \\ 234,000 \\ 288.20 \\ 0 \\ 288.20 \\ 1.0000 \\ 0.9167 \\ \end{array} $	feet feet gph/pump feet gph hours gallons Hours (3% rule) (55 min./hr.)	
Ma: E Esti Adjus Initial Una Inflow Net Una Altit F	ximum Pu Estimated S mated Dis CPB Pu sted Pump djusted Pu during Ini djusted Pu ude Adjus Pump Effic djusted Pu	imp Capacity: Suction Head: Scharge Head: Total Head: imp Capacity: Site Altitude: ing Capacity: imping Time: imping Time: imping Time: imping Time: imping Time: imping Time: imping Time:	$ \begin{array}{r} 130,000 \\ 30 \\ 10 \\ 40 \\ 117,000 \\ 6,150 \\ 234,000 \\ 288.20 \\ 0 \\ 288.20 \\ 1.0000 \\ 0.9167 \\ \end{array} $	feet feet gph/pump feet gph hours gallons Hours (3% rule) (55 min./hr.) hours	Hours

Description					Elapsed				Cumulative
From South Pond to North Pond	Day	<u>Date</u>	<u>Time</u>	<u>GPM</u>	Time		<u>GPM</u>	Gallons Pumped	Gallons Pumped
Pumping started from south pond into north pond	Monday	7/15/2019	15:10	4500	8.83				
	Tuesday	7/16/2019	1	4500	24.00				
Intake pipe collapsed (down appr 2 hours)	Wednesda	7/17/2019	9:30	4500	9.50	42.33	4500	11,429,100	
Pump Started back up	Wednesda	7/17/2019	11:30	2900	12.50				
Shut pump off	Thursday	7/18/2019	21:00	2900	21.00	33.50	2900	5,829,000	17,258,100
Started pump	Friday	7/19/2019	10:26	2900	13.57				
Pumping	Saturday	7/20/2019	1	2900	24.00				
Shut pump off	Sunday	7/21/2019	10:30	2900	10.50	48.07	2900	8,364,180	25,622,280
Started pump	Monday	7/22/2019	9:35	2900	9.58				
Shut pump off	Monday	7/22/2019	18:00	2900	8.00	8	2900	1,392,000	27,014,280
Pump off	Tuesday	7/23/2019	0	0					
Started pump	Wednesda	7/24/2019	8:00	2900					
Pump off	Wednesda	7/24/2019	19:00	2900	11.00	11	2900	1,914,000	28,928,280
Pump off	Thursday	7/25/2019	0	0					
Started pump	Saturday	7/27/2019	15:30	2900					
Status check	Tuesday	7/30/2019	7:30	2400	64.00		2400	9,216,000	38,144,280
Shut pump off	Tuesday	7/30/2019	18:00	2400	10.50		2400	1,512,000	39,656,280
Started pump	Wednesda	8/1/2019	7:00	2400					
Shut pump off	Monday	8/5/2019	12:00	2400	77.00		2400	11,088,000	50,744,280
							Additional		
		Tons	Tons/cyd	cyds	Cu. Ft.	Gal/Cu.Ft.	Gallons		
Volume of gravel anticipated to be removed		124,000	1.5	82,667	2,232,000	7.48	16,695,360)	
(Creating additional volume of water)									
Total South Pond Volume after mining		16,695,360	+	50,744,280	=		67,439,640	Estimated volume	
								of future South Pond	

	South Pond Elevation	Incremental Delta	Depth of South pond	Tim of Survey
7/18/2019	6139.112			9:25
7/19/2019	6138.847	-0.265		10:26
7/22/2019	6136.628	-2.219		9:35
7/23/2019	6136.352	-0.276		9:41
7/24/2019	6136.324	-0.028		11:21
7/25/2019	6136.108	-0.216		12:00
7/26/2019	6136.149	0.041		11:18
7/29/2019	6134.095	-2.054		14:23
7/30/2019	6133.129	-0.966		11:25
7/31/2019	6132.765	-0.364		10:08
8/1/2019	6131.693	1.072		10:18
8/5/2019	6130.000	1.693	9.112	2
	Approx. pond b	oottom from D	rone Survey	
	Could not acce	ss water due t	o mud	
10000	.1			

Pumped out of South poond

Page 1 of 2

SCRAPER TEAM WORK

Site: Williams Fork Pit	<u>t</u>	Permit Actio	n: <u>TR-7</u>	Peri	mit/Job#: <u>M198</u>	34168
PROJECT IDENT	TIFICATION					
Task #: 03A	S	tate: Colora	do	Abbrev	viation: None	
Date: 8/13/20)19 Cou	unty: Moffat		Fil	ename: M168-	-03a
User: ACY						
Agency or o	organization name:	DRMS				
HOURLY EQUIP	MENT_		COSTS	Shift basis: <u>1 per d</u>	ay	
			ment Description			
			537G w/push-pull			
Suppo	- rt Equipment -Load		08T - 8SU 08T - 8SU			
Suppo		Area: NA	001-000			
Road Ma	intenance – Motor (
	-Water	Truck: NA				
Cost Breakdown:	Scraper Wor	·k Team	Support Equ	inment	Maintenance	Fauinment
Cost Dicundo (mi	Scraper	Dozer	Load Area	Dump Area	Motor Grader	Water Ti
%Utilization-machine:	100	100	15	NA	NA	
Ownership cost/hour:	\$174.06	\$103.86	\$103.86	NA	NA	
Operating cost/hour:	\$190.35	\$82.26	\$12.34	NA	NA	
%Utilization-ripper:	NA	NA	NA	NA	NA	
Ripper own. cost/hour:	NA	\$0.00	\$0.00	NA	NA	
Ripper op. cost/hour:	NA	\$0.00	\$0.00	NA	NA	
Operator cost/hour:	\$30.86	\$41.24	\$41.24	NA	NA	
Unit Subtotals:	\$395.26	\$227.36	\$157.44	NA	NA	
Number of Units:	2	1	1	0	0	
Group Subtotals:	Work:	\$1,017.88	Support:	\$157.44	Maint:	\$0.00
Total work team cost	/hour: \$1,175.32					
MATERIAL QUA	NTITIES					
Initial volume:	18,086	CCY	Swell fac	etor: <u>1.050</u>		
Loose volume:	18,990	LCY				
	rce of estimated vo of estimated swell f		Plan andbook			
HOURLY PROD	UCTION					
			Scraper E	Bowl (volume) Basi	is:	
Material weight:	3,400 lbs/LCY		Struck	Volume: 24.00	L	.CY
Material description:	Sand and gravel -	Wet	Heaped	Volume: 34.00	L	.CY
Rated Payload:	81,600 pounds			Volume: 29.00		.CY
Payload Capacity:	24.00 LCY		Adjusted	Capacity: 24.00	L	.CY

<u>1.00</u> Minutes

<u>0.60</u> Minutes

Cycle Time:

Scraper Loading Time: Maneuver and Spread Time:

Job Condition Correction:

Site Altitude: 6140 feet

	Scraper	Push Dozer	Source
Altitude Adj:	1.000	1.000	(CAT HB)
Job Efficiency:	0.830	0.830	(CAT HB)
Net Correction:	0.830	0.830	

Travel Time:

Road Condition: Soft, rutted dirt, no maintenance or water, 4" tire penetration 8.0

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	450.00	0.00	8.00	8.00	1131	0.45

Haul Time: **0.45** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	450.00	0.00	8.00	8.00	1931	0.32
				Return Time:	0.32	minutes
			Total Scrape	er team cycle time:	2.37	minutes
			Adjusted	for job conditions:	1,008.61	LCY/Hour
			Selected Nu	umber of Scrapers:	2	Scraper(s)
	Adjuste	d single scra	per team (unit)	hourly production:	1,008.61	LCY/Hour
	Adjusted n	nultiple scrap	per team (fleet)	hourly production:	1,008.61	LCY/Hour
Optima	Unadjusted unit pro al Number of Scrapers pe			_ LCY/Hour		
JOB T	IME AND COST					
Flee	t size: 1	Team(s)	Т	Total job time:	18.83	Hours

Fleet size:	1	Team(s)	Total job time:	18.83	Hour
Unit cost:	\$1.165	/LCY	Total job cost:	\$22,129	

Page 1 of 2

BULLDOZER WORK

Task description: Grade banks of south lake			
Williams Fork Pit Permit Action: T	R-7	Permit/Job#:	M1984168
PROJECT IDENTIFICATION			
Task #: 03B State: Colorado	At	breviation:	None
Date: 8/13/2019 County: Moffat		Filename:	M168-03b
User: ACY		-	
Agency or organization name: DRMS			
HOURLY EQUIPMENT COST			
Basic Machine: Cat D8T - 8SU			
Horsepower: <u>310</u>			
Blade Type: Semi-Universal			
Attachment: NA			
Shift Basis: <u>1 per day</u>			
Data Source: (CRG)			
Cost Breakdown:			
	Utilization %		
Ownership Cost/Hour: \$103.86	NA		
Operating Cost/Hour: \$82.26	100		
Ripper own. Cost/Hour: \$0.00	NA		
Ripper op. Cost/Hour: \$0.00	0		
Operator Cost/Hour: \$41.24	NA		
MATERIAL QUANTITIES Initial Volume: 9,043			
Swell factor:1.000Loose volume:9,043 LCY			
Source of estimated volume: Half of 18,086 transporte	d vol		
Source of estimated swell factor: Cat Handbook			
HOURLY PRODUCTION			
Average push distance: 50 feet			
Unadjusted hourly production: 1,400.0 LCY/hr			
Materials consistency description: Loose stockpile 1.2	_		
Materials consistency description: Loose stockpile 1.2 Average push gradient: 0 %			
Materials consistency description: Loose stockpile 1.2 Average push gradient: 0 % Average site altitude: 6,140 feet			
Materials consistency description: Loose stockpile 1.2 Average push gradient: 0 % Average site altitude: 6,140 feet Material weight: 3,400 lbs/LCY Weight description: Sand and gravel - Wet Job Condition Correction Factor	Source		
Materials consistency description: Loose stockpile 1.2 Average push gradient: 0 % Average site altitude: 6,140 feet Material weight: 3,400 lbs/LCY Weight description: Sand and gravel - Wet Job Condition Correction Factor 0.750	(AVG.)		
Materials consistency description: Loose stockpile 1.2 Average push gradient: 0 % Average site altitude: 6,140 feet Material weight: 3,400 lbs/LCY Weight description: Sand and gravel - Wet Job Condition Correction Factor 0,750 Material consistency: 1.200	(AVG.) (CAT HB)		
Materials consistency description: Loose stockpile 1.2 Average push gradient: 0 % Average site altitude: 6,140 feet Material weight: 3,400 lbs/LCY Weight description: Sand and gravel - Wet Job Condition Correction Factor 0.750	(AVG.)		

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.676	(CAT HB)
Blade type:	1.000	(PAT)
Net correction:	0.4040	
Adjusted unit production: 56	55.60 LCY/hr	
Adjusted fleet production: 11	31.2 LCY/hr	

JOB TIME AND COST

Fleet size:	2 Dozer(s)
Unit cost:	\$0.402/LCY

Total job time:	7.99 Hours
Total job cost:	\$3,635

BULLDOZER RIPPING WORK

	Task description	Rip	access road and stockpile	e areas			
Site	: Williams For	k Pit	Permit Action:	TR-7	Permit/Jo	b#: <u>M1984168</u>	
	PROJECT ID	ENTIFICATI	<u>ON</u>				
	Task #: 04. Date: 8/1 User: AC	3/2019	State:ColoradoCounty:Moffat		Abbreviation		
	Agency	or organization	name: DRMS				
	HOURLY EQ	UIPMENT CO	OST				
		Machine: Cat	D8T - 8SU hank Ripper	_	Horsepower: Shift Basis: Data Source:	310 1 per day (CRG)	
	Cost Breakdown	<u>:</u>				,	
		Ownership Co Operating Co er Ownership Co per Operating Co Operator Co Total Unit Co	ost/Hour: ost/Hour: ost/Hour: ost/Hour:	\$103.86 \$82.26 \$10.43 \$8.38 \$41.24 \$246.17	Utilization % NA 100 NA 100 NA		
		Total Fleet Co	ost/Hour: \$492	.33			
	MATERIAL (DUANTITIES	Sele	cted estimating 1	method: Area		
	Alternate Method		Sele				
Seismic:	NA		Bank Volume:	NA	BCY	NA	
Area:	4.00	acres	Rip Depth (ft):	2.00	Volume: 12,907	BCY or	CCY
		Source of estin	nated quantity: Mine m	aps and onsite o	bservations		
	HOURLY PR	ODUCTION					
	<u>Seismic:</u>		Seismic Velocity:	NA	feet/second		
	Area:			0.54			
			e Ripping Depth: e Ripping Width:	2.56 7.08	feet/pass feet/pass		
		Average	e Ripping Length:	200.00	feet/pass		
			age Dozer Speed:	88.00	feet/minute		
			Maneuver Time:	0.25 0.773	minutes/pass acres/hour		
	Job Condition Co		-				
			Unit Production:	0.773	Acres/hr		
			Site Altitude:	6,140	feet		
			Altitude Adj:	<u>1.00</u> 0.83	(CAT HB)		
			Job Efficiency: Net Correction:	0.83	(1 shift/day) multiplier		
			Hourly Unit Production: Hourly Fleet Production:	0.64	Acres/hr Acres/hr		
	JOB TIME AN	ND COST					
	Fleet size:	2	Grader(s)	Total job time	3.12	Hours	
	Unit cost:	\$383.620	Per acre	Total job cost	: \$1,534		

Page 1 of 2

SCRAPER TEAM WORK

Site: Williams Fork Pit		Permit Action:	TR-7	Perr	nit/Job#: <u>M198</u>	4168
PROJECT IDENT	TIFICATION					
Task #: 05A	St	ate: Colorado		Abbrey	viation: None	
Date: $\frac{0.011}{8/13/20}$					ename: M168-	05a
User: ACY		•				
Agency or c	rganization name:	DRMS				
HOURLY EQUIP	<u>MENT</u>		COSTS	hift basis: <u>1 per d</u>	ay	
			ent Description			
			7G w/push-pull			
Suppor	rt Equipment -Load		T - 8SU T - 8SU			
Suppor	-Dump		1-050			
Road Mai	ntenance – Motor G					
	-Water	Fruck: NA				
	C W	T	C		M	E. i
<u>Cost Breakdown</u> :	Scraper Work Scraper	Dozer	Support Equip Load Area	Dump Area	Maintenance Motor Grader	Water Tru
	_			•		
%Utilization-machine:	100	100	15	NA	NA	-
Ownership cost/hour:	\$174.06	\$103.86	\$103.86	NA	NA	-
Operating cost/hour:	\$190.35	\$82.26	\$12.34	NA	NA	1
%Utilization-ripper:	NA	NA	NA	NA	NA]
Ripper own. cost/hour:	NA	\$0.00	\$0.00	NA	NA	-
Ripper op. cost/hour:	NA	\$0.00	\$0.00	NA	NA	
Operator cost/hour:	\$30.86	\$41.24	\$41.24	NA	NA	
Unit Subtotals:	\$395.26	\$227.36	\$157.44	NA	NA	-
Number of Units:	2	1	1	0	0	
Group Subtotals:	Work:	\$1,017.88	Support:	\$157.44	Maint:	\$0.00
Total work team cost	/hour: <u>\$1,175.32</u>					
MATERIAL QUA	NTITIES					
Initial volume:	39,000	CCY	Swell fact	tor: <u>1.215</u>		
Loose volume:	47,385	LCY				
	rce of estimated vol f estimated swell fa					
HOURLY PRODU	UCTION					
			Scraper Bo	owl (volume) Basi	is:	
Material weight:	1,600 lbs/LCY			Volume: 24.00		СҮ
Material description:	Top Soil		Heaped			CY
Rated Payload:	81,600 pounds		Average			CY
Payload Capacity:	51.00 LCY		Adjusted C	Capacity: 29.00		CY

<u>1.00</u> Minutes

<u>0.60</u> Minutes

Cycle Time:

Scraper Loading Time: Maneuver and Spread Time:

Job Condition Correction:

Site Altitude: 6140 feet

	Scraper	Push Dozer	Source
Altitude Adj:	1.000	1.000	(CAT HB)
Job Efficiency:	0.830	0.830	(CAT HB)
Net Correction:	0.830	0.830	

Travel Time:

Road Condition: Soft, rutted dirt, no maintenance or water, 4" tire penetration 8.0

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	450.00	0.00	8.00	8.00	1131	0.43

Haul Time: **0.43** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	450.00	0.00	8.00	8.00	1931	0.32
				Return Time:	0.32	minutes
			Total Scrap	er team cycle time:	2.35	minutes
			Adjusted	for job conditions:	1,229.11	LCY/Hour
			Selected N	umber of Scrapers:	2	Scraper(s)
	Adjuste	d single scra	per team (unit)	hourly production:	1,229.11	LCY/Hour
	Adjusted n	ultiple scra	per team (fleet)	hourly production:	1,229.11	LCY/Hour
Optima	Unadjusted unit pro al Number of Scrapers pe			LCY/Hour		
JOB T	IME AND COST					
Flee	t size: 1	Team(s)		Total job time:	38.55	Hours
Uni	t cost: \$0.956	/LCY		Total job cost:	\$45,311	

Page 1 of 2

BULLDOZER WORK

Fask description:	Place topsoil				
Williams Fork Pit	Peri	mit Action:	TR-7	Permit/Job#:	M1984168
PROJECT IDENTIF	FICATION				
Task #: 05B	State:	Colorado		Abbreviation:	None
Date: $\frac{8/13}{2019}$		Moffat		Filename:	M168-05b
User: ACY					
Agency or orga	anization name: DR	RMS			
HOURLY EQUIPM	ENT COST				
Basic Machine: Ca	at D8T - 8SU				
Horsepower: 31					
	mi-Universal				
Attachment: NA					
	per day				
Data Source: (C	RG)				
Cost Breakdown:					
o 11 o or		#105 5 5	<u>Utilization %</u>		
Ownership Cost/Hour:		\$103.86	NA		
Operating Cost/Hour:		\$82.26	100		
Ripper own. Cost/Hour:		\$0.00	NA		
Ripper op. Cost/Hour:		\$0.00	0		
Operator Cost/Hour:		\$41.24	NA		
MATERIAL QUAN	<u>FITIES</u>				
Initial Volume:19,5	500				
Initial Volume: 19,5 Swell factor: 1.00	500				
Initial Volume: 19,5 Swell factor: 1.00	500				
Initial Volume: 19,5 Swell factor: 1.00	500 00 500 LCY	 	orted vol		
Initial Volume:19,5Swell factor:1.00Loose volume:19,5	500 00 500 LCY 1me:Half of 39		orted vol		
Initial Volume: 19,5 Swell factor: 1.00 Loose volume: 19,5 Source of estimated volu Source of estimated swel	500 00 500 LCY 1me: <u>Half of 39</u> 11 factor: <u>Cat Hand</u>		orted vol		
Initial Volume: 19,5 Swell factor: 1.00 Loose volume: 19,5 Source of estimated volu Source of estimated swel HOURLY PRODUC	500 500 LCY 1me: <u>Half of 39</u> 1l factor: <u>Cat Hand</u> TION		orted vol		
Initial Volume: 19,5 Swell factor: 1.00 Loose volume: 19,5 Source of estimated volu Source of estimated swel HOURLY PRODUC	500 500 LCY 1me: <u>Half of 39</u> 11 factor: <u>Cat Hand</u> TION 50 feet	book	orted vol		
Initial Volume: 19,5 Swell factor: 1.00 Loose volume: 19,5 Source of estimated volu Source of estimated swel HOURLY PRODUC	500 500 LCY Ime: Half of 39 Il factor: Cat Hand TION 50 feet	book	orted vol		
Initial Volume: 19,5 Swell factor: 1.00 Loose volume: 19,5 Source of estimated volu Source of estimated swel HOURLY PRODUC	500 500 LCY Ime: Half of 39 11 factor: Cat Hand TION 50 feet Inction: 1,400.0 LC	book			
Initial Volume: 19,5 Swell factor: 1.00 Loose volume: 19,5 Source of estimated volu Source of estimated swel HOURLY PRODUC Average push distance: Unadjusted hourly produ	500 500 LCY ime: Half of 39 11 factor: Cat Hand TION action: 50 feet 1,400.0 LCY	book Y/hr			
Initial Volume: 19,5 Swell factor: 1.00 Loose volume: 19,5 Source of estimated volu Source of estimated swel HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient:	500 500 LCY ime: Half of 39 11 factor: Cat Hand TION action: 50 feet 1,400.0 LCY escription: Loose s 0 %	book Y/hr			
Initial Volume: 19,5 Swell factor: 1.00 Loose volume: 19,5 Source of estimated volu Source of estimated swel HOURLY PRODUC Average push distance: Unadjusted hourly produ	500 500 LCY ime: Half of 39 11 factor: Cat Hand TION action: 50 feet 1,400.0 LCY	book Y/hr			
Initial Volume: 19,5 Swell factor: 1.00 Loose volume: 19,5 Source of estimated volu Source of estimated swel HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient:	500 500 LCY ime: Half of 39 11 factor: Cat Hand TION action: 50 feet 1,400.0 LCY escription: Loose s 0 %	book Y/hr			
Initial Volume: 19,5 Swell factor: 1.00 Loose volume: 19,5 Source of estimated volu Source of estimated swel HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude:	500 00 500 LCY ime: Half of 39 11 factor: Cat Hand TION action: 50 feet 1,400.0 LCY escription: Loose s 0 % 6,140 feet	book Y/hr			
Initial Volume: 19,5 Swell factor: 1.00 Loose volume: 19,5 Source of estimated volu Source of estimated swel HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description: Iob Condition Correction	500 500 500 500 11 factor: Cat Hand TION action: 50 feet action: 1,400.0 ccs 0 6,140 1,600 lbs/LCY Top Soil n n	book Y/hr stockpile 1.2			
Initial Volume: 19,5 Swell factor: 1.00 Loose volume: 19,5 Source of estimated volu Source of estimated swel HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description: Iob Condition Correction Operator	500 00 500 LCY ime: Half of 39 Il factor: Cat Hand TION action: 1,400.0 LCY escription: Loose s 0 % 6,140 feet 1,600 lbs/LCY Top Soil n Factor 0.	book Y/hr stockpile 1.2	<u>Source</u> (AVG.)		
Initial Volume: 19,5 Swell factor: 1.00 Loose volume: 19,5 Source of estimated volu Source of estimated swel HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description: Iob Condition Correction Operator Material consist	500 00 500 LCY ime: Half of 39 11 factor: Cat Hand TION action: 1,400.0 LC escription: Loose s 0 % 6,140 feet 1,600 lbs/LCY Top Soil n Factor Skill: 0. tency: 1.	book Y/hr stockpile 1.2 750 200	<u>Source</u> (AVG.) (CAT HB)		
Initial Volume: 19,5 Swell factor: 1.00 Loose volume: 19,5 Source of estimated volu Source of estimated swel HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description: Iob Condition Correction Operator Material consis Dozing ma	500 $\overline{500}$ LCY ime: Half of 39 Il factor: Cat Hand TION action: 50 feet inction: $1,400.0$ LCY escription: Loose s 0% $6,140$ feet $1,600$ lbs/LCY Top Soil in Factor \circ Skill: $0.$ ethod: $1.$	book Y/hr stockpile 1.2	<u>Source</u> (AVG.)		

Job efficiency	: 0.830	(1 SHIFT/DAY)
Spoil pile	. 0.800	(SSD-AC)
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:	1,203.02 LCY/hr	
Adjusted fleet production:	2406.04 LCY/hr	

JOB TIME AND COST

Fleet size:	2 Dozer(s)
Unit cost:	\$0.189/LCY

Total job time:	8.10 Hours
Total job cost:	\$3,685

REVEGETATION WORK

Task descri	ption:	Revegetate disturbed areas			
e: William	s Fork Pit	Permit Action:	TR-7	Permit/Job	#: <u>M1984168</u>
PROJECT Task #:	<u>DENTIFIC</u> 06A			Abbreviation:	None
	UDA	State: Colorado		Abbreviation:	None
Date:	8/13/2019	County: Moffat		Filename:	M168-06a

FERTILIZING

Materials

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

Application

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

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$101.93
Total Tilling Cost/Acre	\$101.93

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Alkali Sacaton	0.05	1.95	\$1.42
Hardstem Bulrush	0.33	3.07	\$49.40
Kentucky Bluegrass - Lato	0.08	3.95	\$0.27
Nebraska Sedge	0.26	5.45	\$43.29
Western Wheatgrass - Native	1.53	3.86	\$9.18
Needlegrass, Green - Lodorm	0.48	1.99	\$5.65
Sage, Fringed	0.02	1.67	\$0.82
Flax, Lewis Blue	0.30	1.99	\$4.95
Red Top	0.03	3.44	\$0.24
Sagebrush, Silver	0.15	2.91	\$4.65

Tufted Hairgrass	0.07	4.02	\$0.77
Penstemon, Rocky Mountain	0.31	4.86	\$9.15
Yarrow, White	0.05	3.18	\$2.00
Basin Wildrye - Trailhead	0.67	2.72	\$10.32
Creeping Foxtail	0.15	3.44	\$0.74
Globemallow, Munro	0.09	1.02	\$7.88
Aster, Pacific	0.03	0.52	\$3.59
Totals Seed Mix	4.60	50.05	\$154.31

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
Herbicide - Tordon 22K @ 1.0 pt/ac	1.00	ACRE	\$12.15	\$12.15
Total Mulch Materials Cost/Acre				\$12.15

Application

Description		Cost /Acre
Weed spray, truck, aquatic area, nox. [DMG]		\$68.50
	Total Mulch Application Cost/Acre	\$68.50

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

Estimate	No. of Acres: ed Failure Rate:		Cost /Acre: Cost /Acre*:	
*Selected Replanti	ng Work Items:	SEEDING, MULCH	ING	
Initial Job Cost:	\$9,955.58			
Reseeding Job Cost:	\$2,042.95			
Total Job Cost:	\$11,999			
Job Hours:	24.00			

Williams Fork Pit Seed Requirements

Forrest Luke

August 15, 2019

				Species			
		Rate	Required	Specific	Required		
	Scientific	PLS/	PLS/	PLS/	Lbs of	PLS Cost/	PLS Cost/
Species	Name	Sq-Ft	Acre*1	Lb* ²	PLS/Acre	Lb* ³	Acre
Western Wheatgrass	Agropyron smithii	4.0 =	174,240 /	114,000 =	1.53	* \$6.00 =	\$9.17
Red Top	Agrostis alba	3.0 =	130,680 /	4,990,000 =	0.03	* \$7.88 =	\$0.21
Creeping Foxtail	Alopecurus arundinaceus	3.0 =	130,680 /	900,000 =	0.15	* \$4.95 =	\$0.72
Nebraska Sedge	Carex nebraskensis	3.0 =	130,680 /	500,000 =	0.26	* \$166.50 =	\$43.52
Tufted Hairgrass	Deschampsia caespitosa	4.0 =	174,240 /	2,500,000 =	0.07	* \$11.03 =	\$0.77
Basin Wildrye	Elymus cinereus	2.0 =	87,120 /	130,000 =	0.67	* \$15.41 =	\$10.33
Kentucky Bluegrass	Poa pratensis	4.0 =	174,240 /	2,175,000 =	0.08	* \$3.35 =	\$0.27
Hardstem Bulrush	Scirpus acutus	3.0 =	130,680 /	400,000 =	0.33	* \$149.70 =	\$48.91
Alkali Sacaton	Sporobolous airoides	2.0 =	87,120 /	1,750,000 =	0.05	* \$28.48 =	\$1.42
Green Needlegrass	Stipa viridula	2.0 =	87,120 /	180,000 =	0.48	* \$11.78 =	\$5.70
Yarrow	Achillea millefolium	3.0 =	130,680 /	2,770,000 =	0.05	* \$40.00 =	\$1.89
Pacific Aster	Aster chilensis	2.0 =	87,120 /	2,650,000 =	0.03	* \$119.50 =	\$3.93
Lewis Flax	Linum lewisii	2.0 =	87,120 /	293,000 =	0.30	* \$16.50 =	\$4.91
Rocky Mtn Penstemon	Penstemon strictus	2.0 =	87,120 /	285,000 =	0.31	* \$29.50 =	\$9.02
Munro Globemallow	Sphaeralcea munroana	1.0 =	43,560 /	500,000 =	0.09	* \$87.50 =	\$7.62
Silver Sagebrush	Artemisia cana	3.0 =	130,680 /	850,000 =	0.15	* \$31.00 =	\$4.77
Fringed Sagebrush	Artemisia frigida	2.0 =	87,120 /	4,500,000 =	0.02	* \$133.50 =	\$2.58
						Cost/Acre	\$155.72

*¹ There are 43,560 sq-ft in an acre.

*² PLS per pound taken from our seed dealer reference manual, Stevenson Intermountain Seed, Inc.

*3 Based on DRMS CIRCES costs.

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description:	Mo	bilization of recla	amation crew a	nd equip	ment			
Williams Fork	Pit	Permit	Action: <u>TR-7</u>		·	Permit/Job	#: <u>M</u> 1	984168
PROJECT IDEN	TIFICATI	<u>ON</u>						
Task #: 07A		State: Co	olorado		Abbre	eviation:	None	
Date: 8/13 User: ACY	/2019 Y	County: <u>M</u>	offat		Fi	ilename:	M168-	-07a
Agency of	r organizatior	name: DRMS						
EQUIPMENT T	RANSPOR'	<u>T RIG COST</u>						
					Shift ba		per day	
					Cost Data Sou	rce: <u>C</u>	RG Dat	a
Truck	Tractor Desc	ription: GENE	RIC ON-HIGH				DIESEL	POWERED,
Truck	Trailer Desc	rintion:	ENERIC FOLD		P (2ND HALF,		Z EOUI	DMENIT
TTUCK	Traffer Desc.				(25T, 50T, A)		LQUI	F IVILLIN I
					(201,001,11	(2 1001)		
Cost Breakdown:								
Available Rig Ca		0-25 Tons	26-50 Tons		+ Tons			
Ownership		\$17.20	\$29.63		38.69			
Operating	Cost/Hour:	\$26.56	\$47.02		55.69			
	Cost/Hour:	\$23.63	\$23.63		23.63			
	Cost/Hour:	\$0.00	\$23.53		23.53			
Total Unit	Cost/Hour:	\$67.39	\$123.81	\$	141.54			
NON ROADABI	LE EQUIPN	<u>IENT:</u>						
Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return 7	Ггір	DOT Permit
Description	Unit	Cost/hr/ unit	Cost/hr/uni	Size	Cost/hr/	Cost/hr/	fleet	Cost/ fleet
1	(TONS)		t	-	fleet			
Cat 637G w/push- pull	59.59	\$174.06	\$141.54	1	\$315.60	\$141.54		\$250.00
Cat D8T - 8SU	53.08	\$114.29	\$141.54	2	\$511.66	\$283.08		\$250.00
Submersible pump - 460v, 6 in.	0.45	\$8.24	\$67.39	1	\$75.63	\$67.39		\$250.00
Drill/Broadcast Seeder with	25.00	\$18.15	\$67.39	1	\$85.54	\$67.39		\$250.00

 Subtotals:
 \$988.43
 \$559.40
 \$1,000.00

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	\$76.23	1	\$76.23	\$76.23
		Subtotals:	\$76.23	\$76.23

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: Total one-way travel distance: Average Travel Speed:	CRAIG, CO 5.00 35.00	miles mph
Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig:	\$4,419.10	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$21.78	

Transportation Cycle Time:

	Non- Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.14	0.14
Return Time (Hours):	0.14	0.14
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.29	0.29

JOB TIME AND COST

Total job time: 2.57 Hours

Total job cost: _____\$4,441_____

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task #: 07B State: Colorado Abbreviation: None Date: $\frac{8/13/2019}{ACY}$ County: Moffat Filename: M168-07b User: ACY Agency or organization name: DRMS EOUIPMENT TRANSPORT RIG COST Shift basis: 1 per day Cost Data Source: CRG Data Truck Tractor Description: GENERIC ON-HIGHWAY TRACTOR, 6X4, DIESEL POWEREI Truck Trailer Description: GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT TRAILER (25T, 50T, AND 100T) Cost Breakdown: Available Rig Capacities 0-25 Tons 51+ Tons Ownership Cost/Hour: \$17.20 \$29.63 \$38.69 \$00 Operator Cost/Hour: \$22.363 \$23.63 \$23	Task descripti	ion: Sec						
Date: $8/13/2019$ ACYCounty: $Moffat$ Filename: $M168-07b$ Agency or organization name:DRMSEQUIPMENT TRANSPORT RIG COSTShift basis:1 per day Cost Data Source:CRG DataTruck Tractor Description:Truck Trailer Description:GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWEREI 400 HP (2ND HALF, 2006)Truck Trailer Description:GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWEREI 400 HP (2ND HALF, 2006)GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT TRAILER (25T, 50T, AND 100T)Cost Breakdown:Available Rig Capacities0-25 Tons26-50 Tons51+ Tons S38.69Operator Cost/Hour:\$21.7.20\$29.63\$38.69Operator Cost/Hour:\$23.63\$23.63\$23.53Total Unit Cost/Hour:\$67.39\$12.3.81\$141.54NON ROADABLE EQUIPMENT: Total Unit Cost/Hour:S67.39\$12.3.81\$141.54Machine Unit (TONS)Owner ship Cost/hr/unitHaul Rig Cost/hr/unitReturn Trip Cost/hr/leetDOT Perr Cost/hr/leetMachine DescriptionWeight/ Unit (TONS)Owner ship S67.391\$85.54\$67.39\$250.00	Williams F	Fork Pit	Permit	Action: <u>TR-7</u>]	Permit/Job#:	M1984168
Date: $\underline{8/13/2019}$ ACYCounty: \overline{Moffat} Filename: $\overline{M168-07b}$ Agency or organization name:DRMSEQUIPMENT TRANSPORT RIG COSTShift basis:1 per day Cost Data Source:CRG DataTruck Tractor Description:Truck Trailer Description:GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWEREI 400 HP (2ND HALF, 2006)Truck Trailer Description:GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT TRAILER (25T, 50T, AND 100T)Cost Breakdown:Available Rig Capacities0-25 Tons 26-5626-50 Tons \$17.2051+ Tons \$28.63Ownership Cost/Hour:\$17.20 \$23.63\$23.63 \$23.53\$23.53 \$23.53Ownership Cost/Hour:\$67.39\$123.81\$141.54NON ROADABLE EQUIPMENT: (TONS)Machine Cost/hr/unitWeight/ Cost/hr/unitOwner ship Cost/hr/unitHaul Rig Cost/hr/unitReturn Trip Cost/hr/ fleetDOT Perr Cost/hretMachine DescriptionWeight/ Unit (TONS)Owner ship Cost/hr/unitHaul Rig SizeFleet Cost/hr/ fleetDOT Perr Cost/hr/ fleetDill/Broadcast Seeder with Tractor25.00\$18.15\$67.391\$85.54\$67.39\$250.00	PROJECT II	DENTIFICATI	<u>ON</u>					
User: Agency or organization name: DRMS EQUIPMENT TRANSPORT RIG COST Shift basis: 1 per day Cost Data Source: CRG Data Truck Tractor Description: GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWEREI 400 HP (2ND HALF, 2006) Truck Trailer Description: GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT TRAILER (25T, 50T, AND 100T) Cost Breakdown: Available Rig Capacities 0-25 Tons 26-50 Tons 51+ Tons Ownership Cost/Hour: \$17.20 \$29.63 \$38.69 Operator Cost/Hour: \$17.20 \$29.63 \$38.69 Operator Cost/Hour: \$17.20 \$29.63 \$38.69 Operator Cost/Hour: \$23.63 \$23.63 Ownership Cost/Hour: \$20.63 \$38.69 Operator Cost/Hour: \$23.63 \$23.63 Ownership Cost/Hour: \$67.39 \$123.81 <t< th=""><th>Task #:</th><th>07B</th><th>State: Co</th><th>olorado</th><th></th><th>Abbre</th><th>eviation: Nor</th><th>ne</th></t<>	Task #:	07B	State: Co	olorado		Abbre	eviation: Nor	ne
Agency or organization name: DRMS EQUIPMENT TRANSPORT RIG COST Shift basis: 1 per day Cost Data Source: CRG Data Truck Tractor Description: GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWEREI 400 HP (2ND HALF, 2006) Truck Trailer Description: GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT TRAILER (25T, 50T, AND 100T) Cost Breakdown: Available Rig Capacities 0-25 Tons 26-50 Tons 51+ Tons Ownership Cost/Hour: \$17.20 \$29.63 \$38.69 Operator Cost/Hour: \$23.63 \$23.63 \$23.63 \$23.63 \$23.63 \$23.63 \$23.63 \$23.63 \$23.63 \$23.63 \$23.53 Total Unit Cost/Hour: \$67.39 \$123.81 \$141.54 \$141.54 \$0.00 \$23.53 \$23.53 \$141.54 \$0.01 \$25.00 \$18.15 \$67.39 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.	Date:	8/13/2019	County: Mo	offat		Fi	ilename: M1	68-07b
EQUIPMENT TRANSPORT RIG COST Shift basis: 1 per day Cost Data Source: CRG Data Truck Tractor Description: GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWEREI 400 HP (2ND HALF, 2006) Truck Trailer Description: GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT TRAILER (25T, 50T, AND 100T) Cost Breakdown: Available Rig Capacities 0-25 Tons 26-50 Tons 51+ Tons Ownership Cost/Hour: \$17.20 \$29.63 \$38.69 Operator Cost/Hour: \$213.63 \$23.63 Helper Cost/Hour: \$23.63 \$23.63 Helper Cost/Hour: \$23.63 \$23.53 Total Unit Cost/Hour: \$67.39 \$123.81 \$141.54 NON ROADABLE EQUIPMENT: Unit Machine Weight/ Unit Owner ship Cost/hr/ unit Fleet Cost/hr/unit Haul Trip Cost/hr/ Return Trip Cost/hr/ Reet DOT Perr Cost/hr/ Cost/hr/ Reet Machine Weight/ Unit Owner ship Cost/hr/ unit Siss.54 \$67.39 \$250.00 Drill/Broadcast Seeder with Tractor 25.00 \$18.15 \$67.39 1 \$85.54 \$67.39 \$250.00	User:	ACY						
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	Agen	cy or organization	n name: DRMS					
Cost Data Source: CRG Data Truck Tractor Description: GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWEREI 400 HP (2ND HALF, 2006) Truck Trailer Description: GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT TRAILER (25T, 50T, AND 100T) Cost Breakdown: Available Rig Capacities 0-25 Tons 51+ Tons Ownership Cost/Hour: \$17.20 \$29.63 \$38.69 \$38.69 Operating Cost/Hour: \$21.63 \$23.63 \$23.63 \$23.63 Operator Cost/Hour: \$26.56 \$47.02 \$55.69 \$23.63 \$23.63 \$23.63 Operator Cost/Hour: \$20.00 \$23.53 \$23.53 \$23.53 \$23.53 \$23.53 \$23.53 Total Unit Cost/Hour: \$67.39 \$123.81 \$141.54 Machine Weight/ Owner ship Haul Rig Fleet Haul Trip Return Trip DOT Perr Description Unit Cost/hr/ unit Cost/hr/ unit Size Cost/hr/ Gost/hr/ Cost/hr/ Cost/hr/ Cost/hr/ Cost/hr/ Cost/hr/ Cost/hr/ Cost/hr/ C	EQUIPMEN	T TRANSPOR	T RIG COST					
Cost Data Source: CRG Data Truck Tractor Description: GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWEREI 400 HP (2ND HALF, 2006) GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT Truck Trailer Description: GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT Cost Breakdown: State of the state of						Shift ba	sis: 1 per o	dav
400 HP (2ND HALF, 2006)Truck Trailer Description:GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT TRAILER (25T, 50T, AND 100T)Cost Breakdown:Available Rig Capacities0-25 Tons26-50 Tons51+ TonsOwnership Cost/Hour:\$17.20\$29.63\$38.69Operating Cost/Hour:\$26.56\$47.02\$55.69Operator Cost/Hour:\$20.00\$23.53\$23.53Total Unit Cost/Hour:\$67.39\$123.81\$141.54NON ROADABLE EQUIPMENT:Machine DescriptionWeight/ Unit (TONS)Owner ship Cost/hr/ unit t tHaul Rig Cost/hr/unit SizeFleet Cost/hr/ fleetReturn Trip Cost/hr/ fleetDOT Perr Cost/hr/ fleetDrill/Broadcast Seeder with Tractor\$18.15\$67.391\$85.54\$67.39\$250.00					C			
400 HP (2ND HALF, 2006)Truck Trailer Description:GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT TRAILER (25T, 50T, AND 100T)Cost Breakdown:Available Rig Capacities0-25 Tons26-50 Tons51+ TonsOwnership Cost/Hour:\$17.20\$29.63\$38.69Operating Cost/Hour:\$26.56\$47.02\$55.69Operator Cost/Hour:\$20.00\$23.53\$23.53Total Unit Cost/Hour:\$67.39\$123.81\$141.54NON ROADABLE EQUIPMENT:Machine DescriptionWeight/ Unit (TONS)Owner ship Cost/hr/ unit t tHaul Rig Cost/hr/unit SizeFleet Cost/hr/ fleetReturn Trip Cost/hr/ fleetDOT Perr Cost/hr/ fleetDrill/Broadcast Seeder with Tractor\$18.15\$67.391\$85.54\$67.39\$250.00	T.	muck Tractor Dece	rintion: CENE					
Truck Trailer Description:GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT TRAILER (25T, 50T, AND 100T)Cost Breakdown:Available Rig Capacities0-25 Tons26-50 Tons51+ TonsOwnership Cost/Hour:\$17.20\$29.63\$38.69Operating Cost/Hour:\$26.56\$47.02\$55.69Operator Cost/Hour:\$23.63\$23.63\$23.63Helper Cost/Hour:\$67.39\$123.81\$141.54NON ROADABLE EQUIPMENT:Machine DescriptionWeight/ Unit (TONS)Owner ship Cost/hr/ unitHaul Rig Cost/hr/unitFleet SizeHaul Trip Cost/hr/ fleetReturn Trip Cost/hr/ fleetDOT Perr Cost/hr/ fleetDrill/Broadcast Seeder with Tractor25.00\$18.15\$67.391\$85.54\$67.39\$250.00	11	Tuck Tractor Desc	Inpuoli. GENE				, ,	EL FUWERED,
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$								
Cost Breakdown:Available Rig Capacities0-25 Tons26-50 Tons51+ TonsOwnership Cost/Hour:\$17.20\$29.63\$38.69Operating Cost/Hour:\$26.56\$47.02\$55.69Operator Cost/Hour:\$23.63\$23.63\$23.63Helper Cost/Hour:\$0.00\$23.53\$23.53Total Unit Cost/Hour:\$67.39\$123.81\$141.54NON ROADABLE EQUIPMENT:MachineWeight/ Unit (TONS)Owner ship Cost/hr/ unit tHaul Rig Cost/hr/uni tFleet SizeHaul Trip Cost/hr/ Cost/hr/ fleetDOT Perr Cost/hr/ fleetDrill/Broadcast Seeder with Tractor25.00\$18.15\$67.391\$85.54\$67.39\$250.00	Т	ruck Trailer Desc	ription: G	ENERIC FOLD			,	UIPMENT
Available Rig Capacities0-25 Tons26-50 Tons51+ TonsOwnership Cost/Hour:\$17.20\$29.63\$38.69Operating Cost/Hour:\$26.56\$47.02\$55.69Operator Cost/Hour:\$23.63\$23.63\$23.63Helper Cost/Hour:\$0.00\$23.53\$23.53Total Unit Cost/Hour:\$67.39\$123.81\$141.54NON ROADABLE EQUIPMENT:Haul Rig Cost/hr/ unitFleet Cost/hr/uniReturn Trip Cost/hr/ fleetDOT Perr Cost/hr/ fleetMachine DescriptionWeight/ Unit (TONS)Owner ship Cost/hr/ unit tHaul Rig Cost/hr/unit SizeFleet Cost/hr/ fleetHaul Trip Cost/hr/ fleetDOT Perr Cost/hr/ fleetDrill/Broadcast Seeder with Tractor25.00\$18.15\$67.391\$85.54\$67.39\$250.00	Т	ruck Trailer Desc	ription: G		ING GOO	SENECK, DF	ROP DECK EQ	UIPMENT
Ownership Cost/Hour:\$17.20\$29.63\$38.69Operating Cost/Hour:\$26.56\$47.02\$55.69Operator Cost/Hour:\$23.63\$23.63\$23.63Helper Cost/Hour:\$0.00\$23.53\$23.53Total Unit Cost/Hour:\$67.39\$123.81\$141.54NON ROADABLE EQUIPMENT:MachineWeight/ Unit (TONS)Owner ship Cost/hr/ unitHaul Rig Cost/hr/unit SizeFleet Cost/hr/ fleetHaul Trip Cost/hr/ Cost/hr/ fleetDOT Perr Cost/hr/ fleetDrill/Broadcast Seeder with Tractor25.00\$18.15\$67.391\$85.54\$67.39\$250.00			ription: G		ING GOO	SENECK, DF	ROP DECK EQ	UIPMENT
Operating Cost/Hour:\$26.56\$47.02\$55.69Operator Cost/Hour:\$23.63\$23.63\$23.63Helper Cost/Hour:\$0.00\$23.53\$23.53Total Unit Cost/Hour:\$67.39\$123.81\$141.54NON ROADABLE EQUIPMENT:Machine DescriptionWeight/ Unit (TONS)Owner ship Cost/hr/ unitHaul Rig Cost/hr/unit tFleet SizeHaul Trip Cost/hr/ fleetReturn Trip Cost/hr/ fleetDOT Perr Cost/hr/ fleetDrill/Broadcast Seeder with Tractor25.00\$18.15\$67.391\$85.54\$67.39\$250.00			ription: G		ING GOO	SENECK, DF	ROP DECK EQ	UIPMENT
Operator Cost/Hour:\$23.63\$23.63\$23.63Helper Cost/Hour:\$0.00\$23.53\$23.53Total Unit Cost/Hour:\$67.39\$123.81\$141.54NON ROADABLE EQUIPMENT:Machine DescriptionWeight/ Unit (TONS)Owner ship Cost/hr/ unitHaul Rig Cost/hr/unit tFleet SizeHaul Trip Cost/hr/ fleetReturn Trip Cost/hr/ fleetDOT Perr Cost/hr/ fleetDrill/Broadcast Seeder with Tractor25.00\$18.15\$67.391\$85.54\$67.39\$250.00	Cost Breakdow	<u>/n:</u> g Capacities	0-25 Tons	26-50 Tons	ING GOO TRAILER (51+	SENECK, DF 25T, 50T, AN Tons	ROP DECK EQ	UIPMENT
Helper Cost/Hour:\$0.00\$23.53\$23.53Total Unit Cost/Hour:\$67.39\$123.81\$141.54NON ROADABLE EQUIPMENT:Machine DescriptionWeight/ Unit (TONS)Owner ship Cost/hr/ unitHaul Rig Cost/hr/unit SizeFleet Cost/hr/ fleetHaul Trip Cost/hr/ fleetReturn Trip Cost/hr/ fleetDOT Perr Cost/hr/ fleetDrill/Broadcast Seeder with Tractor25.00\$18.15\$67.391\$85.54\$67.39\$250.00	Cost Breakdow Available Ri Owners	<u>/n:</u> g Capacities ship Cost/Hour:	0-25 Tons \$17.20	26-50 Tons \$29.63	ING GOO TRAILER (51+ \$3	SENECK, DF 25T, 50T, AN Tons 8.69	ROP DECK EQ	UIPMENT
Total Unit Cost/Hour:\$67.39\$123.81\$141.54NON ROADABLE EQUIPMENT:Machine DescriptionWeight/ Unit (TONS)Owner ship Cost/hr/ unit tHaul Rig Cost/hr/unit tFleet SizeHaul Trip Cost/hr/ fleetReturn Trip Cost/hr/ fleetDOT Perr Cost/hr/ fleetDrill/Broadcast Seeder with Tractor25.00\$18.15\$67.391\$85.54\$67.39\$250.00	Cost Breakdow Available Ri Owners Opera	<u>7n:</u> g Capacities ship Cost/Hour: ting Cost/Hour:	0-25 Tons \$17.20 \$26.56	26-50 Tons \$29.63 \$47.02	ING GOO TRAILER (51+ \$3 \$5	SENECK, DF 25T, 50T, AN Tons 8.69 5.69	ROP DECK EQ	UIPMENT
Machine Description Weight/ Unit (TONS) Owner ship Cost/hr/ unit Haul Rig Cost/hr/unit Fleet Size Haul Trip Cost/hr/ fleet Return Trip Cost/hr/ fleet DOT Perr Cost/hr/ fleet Drill/Broadcast Seeder with Tractor 25.00 \$18.15 \$67.39 1 \$85.54 \$67.39 \$250.00	Cost Breakdow Available Ri Owners Opera Oper	<u>7n:</u> g Capacities ship Cost/Hour: ting Cost/Hour: ator Cost/Hour:	0-25 Tons \$17.20 \$26.56 \$23.63	26-50 Tons \$29.63 \$47.02 \$23.63	ING GOO TRAILER (51+ \$3 \$5 \$2	SENECK, DF 25T, 50T, AN Tons 8.69 5.69 3.63	ROP DECK EQ	UIPMENT
Machine DescriptionWeight/ Unit (TONS)Owner ship Cost/hr/ unitHaul Rig Cost/hr/unitFleet SizeHaul Trip Cost/hr/ fleetReturn Trip Cost/hr/ fleetDOT Perr Cost/fleetDrill/Broadcast Seeder with Tractor25.00\$18.15\$67.391\$85.54\$67.39\$250.00	Cost Breakdow Available Ri Owners Opera Oper He	<u>7n:</u> g Capacities ship Cost/Hour: ting Cost/Hour: ator Cost/Hour: lper Cost/Hour:	0-25 Tons \$17.20 \$26.56 \$23.63 \$0.00	26-50 Tons \$29.63 \$47.02 \$23.63 \$23.53	ING GOO FRAILER (51+ \$3 \$5 \$2 \$2 \$2 \$2	SENECK, DF 25T, 50T, AN 70ns 8.69 5.69 3.63 3.53	ROP DECK EQ	UIPMENT
Machine DescriptionWeight/ Unit (TONS)Owner ship Cost/hr/ unitHaul Rig Cost/hr/unitFleet SizeHaul Trip Cost/hr/ fleetReturn Trip Cost/hr/ fleetDOT Perr Cost/fleetDrill/Broadcast Seeder with Tractor25.00\$18.15\$67.391\$85.54\$67.39\$250.00	Cost Breakdow Available Ri Owners Opera Oper He	<u>7n:</u> g Capacities ship Cost/Hour: ting Cost/Hour: ator Cost/Hour: lper Cost/Hour:	0-25 Tons \$17.20 \$26.56 \$23.63 \$0.00	26-50 Tons \$29.63 \$47.02 \$23.63 \$23.53	ING GOO FRAILER (51+ \$3 \$5 \$2 \$2 \$2 \$2	SENECK, DF 25T, 50T, AN 70ns 8.69 5.69 3.63 3.53	ROP DECK EQ	UIPMENT
DescriptionUnit (TONS)Cost/hr/ unit tCost/hr/uni tSizeCost/hr/ fleetCost/hr/ fleetCost/fleetDrill/Broadcast Seeder with Tractor25.00\$18.15\$67.391\$85.54\$67.39\$250.00	Cost Breakdow Available Ri Owners Opera Oper He Total U	<u>rn:</u> g Capacities ship Cost/Hour: ting Cost/Hour: ator Cost/Hour: lper Cost/Hour: Unit Cost/Hour:	0-25 Tons \$17.20 \$26.56 \$23.63 \$0.00 \$67.39	26-50 Tons \$29.63 \$47.02 \$23.63 \$23.53	ING GOO FRAILER (51+ \$3 \$5 \$2 \$2 \$2 \$2	SENECK, DF 25T, 50T, AN 70ns 8.69 5.69 3.63 3.53	ROP DECK EQ	UIPMENT
DescriptionContCost in/ unitCost in/ unitCost in/ unitCost in/ unit(TONS)tfleetDrill/Broadcast25.00\$18.15\$67.391\$85.54\$67.39\$250.00Seeder with Tractorractorfleetfleetfleetfleet	Cost Breakdow Available Rig Owners Opera Oper He Total U	<u>/n:</u> g Capacities ship Cost/Hour: ting Cost/Hour: ator Cost/Hour: lper Cost/Hour: Unit Cost/Hour: ABLE EQUIPN	0-25 Tons \$17.20 \$26.56 \$23.63 \$0.00 \$67.39 MENT:	26-50 Tons \$29.63 \$47.02 \$23.63 \$23.53 \$123.81	ING GOO TRAILER (51+ \$3 \$5 \$2 \$2 \$2 \$14	SENECK, DF 25T, 50T, AN 70ns 8.69 5.69 3.63 3.53 41.54	ROP DECK EQ ND 100T)	
Drill/Broadcast 25.00 \$18.15 \$67.39 1 \$85.54 \$67.39 \$250.00 Seeder with Tractor Tractor Image: Seeder with tractor <td>Cost Breakdow Available Ri Owners Opera Oper He Total U NON ROAD Machine</td> <td><u>zn:</u> g Capacities ship Cost/Hour: ting Cost/Hour: ator Cost/Hour: lper Cost/Hour: Unit Cost/Hour: ABLE EQUIPN Weight/</td> <td>0-25 Tons \$17.20 \$26.56 \$23.63 \$0.00 \$67.39 MENT: Owner ship</td> <td>26-50 Tons \$29.63 \$47.02 \$23.63 \$23.53 \$123.81 Haul Rig</td> <td>ING GOO TRAILER (51+ \$3 \$5 \$2 \$2 \$14 \$14 Fleet</td> <td>SENECK, DF 25T, 50T, AN 70ns 8.69 5.69 3.63 3.53 41.54 Haul Trip</td> <td>ROP DECK EQ ND 100T)</td> <td>DOT Permit</td>	Cost Breakdow Available Ri Owners Opera Oper He Total U NON ROAD Machine	<u>zn:</u> g Capacities ship Cost/Hour: ting Cost/Hour: ator Cost/Hour: lper Cost/Hour: Unit Cost/Hour: ABLE EQUIPN Weight/	0-25 Tons \$17.20 \$26.56 \$23.63 \$0.00 \$67.39 MENT: Owner ship	26-50 Tons \$29.63 \$47.02 \$23.63 \$23.53 \$123.81 Haul Rig	ING GOO TRAILER (51+ \$3 \$5 \$2 \$2 \$14 \$14 Fleet	SENECK, DF 25T, 50T, AN 70ns 8.69 5.69 3.63 3.53 41.54 Haul Trip	ROP DECK EQ ND 100T)	DOT Permit
Seeder with Tractor	Cost Breakdow Available Ri Owners Opera Oper He Total U NON ROAD Machine	<u>rn:</u> g Capacities ship Cost/Hour: ting Cost/Hour: ator Cost/Hour: lper Cost/Hour: Unit Cost/Hour: ABLE EQUIPN Weight/ Unit	0-25 Tons \$17.20 \$26.56 \$23.63 \$0.00 \$67.39 MENT: Owner ship	26-50 Tons \$29.63 \$47.02 \$23.63 \$23.53 \$123.81 Haul Rig	ING GOO TRAILER (51+ \$3 \$5 \$2 \$2 \$14 \$14 Fleet	SENECK, DF 25T, 50T, AN 70ns 8.69 5.69 3.63 3.53 41.54 Haul Trip Cost/hr/	ROP DECK EQ ND 100T)	DOT Permit
Tractor	Cost Breakdow Available Ri Owners Opera Oper He Total U NON ROAD Machine Description	<u>rn:</u> g Capacities ship Cost/Hour: ting Cost/Hour: ator Cost/Hour: lper Cost/Hour: Unit Cost/Hour: ABLE EQUIPN Weight/ Unit (TONS)	0-25 Tons \$17.20 \$26.56 \$23.63 \$0.00 \$67.39 MENT: Owner ship Cost/hr/ unit	26-50 Tons \$29.63 \$47.02 \$23.63 \$23.53 \$123.81 Haul Rig Cost/hr/uni t	ING GOO FRAILER (51+ \$3 \$5 \$2 \$2 \$2 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1	SENECK, DF 25T, 50T, AN 25T, 50T, AN 8.69 5.69 3.63 3.53 41.54 Haul Trip Cost/hr/ fleet	ROP DECK EQ ND 100T) Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
	Cost Breakdow Available Ri Owners Opera Oper He Total U NON ROAD Machine Description Drill/Broadcas	<u>rn:</u> g Capacities ship Cost/Hour: ting Cost/Hour: ator Cost/Hour: lper Cost/Hour: Unit Cost/Hour: ABLE EQUIPN Weight/ Unit (TONS)	0-25 Tons \$17.20 \$26.56 \$23.63 \$0.00 \$67.39 MENT: Owner ship Cost/hr/ unit	26-50 Tons \$29.63 \$47.02 \$23.63 \$23.53 \$123.81 Haul Rig Cost/hr/uni t	ING GOO FRAILER (51+ \$3 \$5 \$2 \$2 \$2 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1	SENECK, DF 25T, 50T, AN 25T, 50T, AN 8.69 5.69 3.63 3.53 41.54 Haul Trip Cost/hr/ fleet	ROP DECK EQ ND 100T) Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Subtotals: \$85.54 \$67.39 \$250.00	Cost Breakdow Available Ri Owners Opera Oper He Total U NON ROAD Machine Description Drill/Broadcas Seeder with	<u>rn:</u> g Capacities ship Cost/Hour: ting Cost/Hour: ator Cost/Hour: lper Cost/Hour: Unit Cost/Hour: ABLE EQUIPN Weight/ Unit (TONS)	0-25 Tons \$17.20 \$26.56 \$23.63 \$0.00 \$67.39 MENT: Owner ship Cost/hr/ unit	26-50 Tons \$29.63 \$47.02 \$23.63 \$23.53 \$123.81 Haul Rig Cost/hr/uni t	ING GOO FRAILER (51+ \$3 \$5 \$2 \$2 \$2 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1	SENECK, DF 25T, 50T, AN 25T, 50T, AN 8.69 5.69 3.63 3.53 41.54 Haul Trip Cost/hr/ fleet	ROP DECK EQ ND 100T) Return Trip Cost/hr/ fleet	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	\$76.23	1	\$76.23	\$76.23
		Subtotals:	\$76.23	\$76.23

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: Total one-way travel distance: Average Travel Speed:	CRAIG, CO 5.00 35.00	miles mph
Total Non-Roadable Mob/Demob Cost *	\$714.77	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$21.78	

Transportation Cycle Time:

	Non- Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.14	0.14
Return Time (Hours):	0.14	0.14
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.29	0.29

JOB TIME AND COST

Total job time: 2.57 Hours

Total job cost: \$737