

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

1313 Sherman Street, Room 215 Denver, CO 80203

Mr. Matt R. Carnahan Oldcastle SW Group, Inc. dba Four Corners Materials P.O. Box 1969 Bayfield, CO 81122-1969

April 17, 2014

Re: Cugnini Gravel Pit, Permit No. M-1986-061, Financial Warranty Increase, Revision No. SI-2

Dear Mr. Carnahan:

On April 17, 2014 the Division of Reclamation, Mining and Safety increased the current Financial Warranty for this permit to \$565,341.67, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of \$163,328.67.

The Division ordered amendment of the current Financial Warranty, or submittal of a new Financial Warranty reflecting the increase, within 60 days from the date of this letter. If you wish to submit a different type of Financial Warranty, please contact me such that I may send you the applicable form.

If you have any questions, please contact me at (970) 259-5861.

Sincerely,

Kate A. Pickford Environmental Protection Specialist



COST SUMMARY WORK

e: Cugnini	Gravel Pit		Permit Action:	2014 Inspection Perm	it/Job#: <u>M1986061</u>
PROJECT	<u>IDENTIFICA</u>	TION			
Task #:	000	State:	Colorado	Abbreviation	1: None
Date:	4/16/2014	County:	La Plata	Filenam	e: M061-000
User:	KAP				

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Demolish and Remove Structures and Debris	DEMOLISH	1	5.00	\$321.52
002	Move Overurden to Center Pivot Field	DOZER	1	356.07	\$72,797.39
003	Move Overurden to Center Pivot Field	DOZER	1	125.52	\$25,662.45
004	Move Overurden to Center Pivot Field	DOZER	1	77.51	\$15,846.35
005	Movetopsoil form stockpile for spreading	SCRAPER1	1	479.56	\$172,623.90
006	Movetopsoil form stockpile for spreading	SCRAPER1	1	97.38	\$35,053.85
007	Move Overurden to Center Pivot Field	DOZER	7 1	114.89	\$23,488.29
008	Rip compaction on pit floor	RIPPER	1	43.97	\$9.277.00
009	Revegetate dryland areas	REVEGE	1	10.00	\$14,296.16
010	Revegetate irrigated areas	REVEGE	1	10.00	\$49,058.49
011	Mobilize	MOBILIZE	1	4.50	\$2,811.73
		SUBTO	DTALS:	1324.4	\$421,237.13

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	0.00%		Total =	\$0.00
Performance bond:	0.00%		Total =	\$0.00
Job superintendent:	662.20 hrs		Total =	\$43,314.50
Profit:	10.00%		Total =	\$42,123.71
			TOTAL O & P =	\$85,438.21
	CON	TRACT AMOUN	Γ (direct + O & P) =	\$506,675.34
LEGAL - ENGINEERING - PR	OJECT MANAGEMENT	<u>`</u> :		
Financial warranty process	ing (legal/related costs):	500.00	Total =	500.00
Engineering work and/or		6.59%	Total =	\$33,389.90
Reclamation management	nt and/or administration:	4.89%		\$24,776.42
	CONTINGENCY:	0.00	Total =	\$0.00
		TOTAL I	NDIRECT COST =	\$144,104.54
	TOTAL BO	OND AMOUNT (direct + indirect) =	\$565,341.67

DEMOLITION WORK

Та	sk descriptio	n: De	molish and Remove Struct	ures and Debris		······	
Site: C	ugnini Grav	el Pit	Permit Action: _2	014 Inspectin	Po	ermit/Job#: _	M1986061
PROJECT	<u>r identif</u>	ICATION					
Task #: Date: User: <u>UNIT COS</u>		or organization	State: <u>Colorado</u> County: <u>La Plata</u> name: <u>DRMS</u>		Abbreviat Filena		-001
Structure Descri		Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
misc debris/	materials	Assume 30'x30'x15' volume	Push demolished materials/rubble/debri into pit - Max. 200 ft. push	500.00 s	СҮ	\$0.70	\$351.00

			Total Cost	
	Subtotal		(adjusted for	
Job Hours:5.00	(unadjusted):	\$351.00	location):	\$321.52

DEMOLITION WORK

Task description	n: Demoli	sh and Remove Stru	ctures and Debris			
Site: Cugnini Gra	vel Pit	Permit Action:	2014 Inspectin	Pe	ermit/Job#: _	M1986061
PROJECT IDENTI	TICATION					
Task #: 001 Date: 4/16/2014 User: KAP Agency	Sta Cour or organization name	•		Abbreviat Filena		-001
Structure or Item Description	Dimensions	Demolition Men Selection	ou Quantity	Unit	Unit Cost	Total Cost
misc debris/materials	Assume 30'x30'x15' volume	Push demolished materials/rubble/det into pit - Max. 200 f push		СҮ	\$0.70	\$351.00

			Total Cost	
	Subtotal		(adjusted for	
Job Hours: 5.00	(unadjusted):	\$351.00	location):	\$321.52

BULLDOZER WORK

Task description:	Move Overurden to Center	Pivot Field		
e: Cugnini Gravel Pit	Permit Action:	2014 Inspection	Permit/Job#:	M1986061
PROJECT IDENTIFI	CATION			
Task #: 002 Date: 4/16/2014 User: KAP	State: Colorado County: La Plata		Abbreviation: Filename:	None M061-002
Agency or organ	ization name: DRMS			
HOURLY EQUIPME	NT COST			
Horsepower: 310 Blade Type: Sem Attachment: 3-sh	D8T - 8SU i-Universal ank ripper r day G) \$63.00 \$104.03 \$0.00 \$37.41 \$204.45 \$204.45 \$204.45	Utilization % NA 100 0 NA		
MATERIAL QUANTI Initial Volume: 133,33 Swell factor: 1.125 Loose volume: 150,00 Source of estimated volum Source of estimated swell	33 90 LCY e: Division of Reclamati	on, Mining & Safety		
HOURLY PRODUCT	<u>ION</u>			
Average push distance: Unadjusted hourly product	100 feet ion: 852.6 LCY/hr			
Materials consistency descr	ription: <u>Partly consolidated</u>	stockpile 1.1		
Average push gradient: Average site altitude:	0 % 6,700 feet			
Material weight:	2,550 lbs/LCY			
Weight description:	Earth - Dry packed			
Job Condition Correction F		Source		
Operator Sk Material consisten Dozing meth	cy: 1.100	(AVG.) (CAT HB) (GEN.)		

Spoil pile: 0 Push gradient: 1	0.830 (1 SHIFT/DAY) 0.800 (SSD-AC) 1.000 (CAT HB)
Push gradient: 1	
	.000 (CAT HB)
Altitude: 1	.000 (CAT HB)
Material Weight: 0	0.902 (CAT HB)
Blade type: 1	.000 (PAT)
Net correction:0.4941	

JOB TIME AND COST

Adjusted fleet production: 421.27 LCY/hr

Fleet size:	1 Dozer(s)
Unit cost:	\$0.485/LCY
Total job time:	356 07 Hours

Total job time:	356.07 Hours
Total job cost:	\$72,797.39

BULI	LDOZER	WORK

Cugnini Gravel Pit	Permit Action:	2014 Inspection	Permit/Job#:	M198606
ROJECT IDENTIFICAT	ION			
Task #: 003	State: Colorado		Abbreviation:	None
Date: 4/16/2014	County: La Plata		Filename:	M061-003
User: KAP				10001-000
Agency or organization	n name:DRMS			***
OURLY EQUIPMENT C	OST			
Basic Machine: Cat D8T -	8SU			
Horsepower: 310				
Blade Type: Semi-Univ	versal			
Attachment: 3-shank ri				
Shift Basis: 1 per day				
Data Source: (CRG)				
ost Breakdown:				
<u>osi Divaruowii</u> ,		Utilization %		
Ownership Cost/Hour:	\$63.00	NA		
Operating Cost/Hour:	\$104.03	100		
Ripper op. Cost/Hour:	\$0.00	0		
			·····	
Operator Cost/Hour:	\$37.41	NA		
otal unit Cost/Hour: \$204	.45			
otal Fleet Cost/Hour: \$204				
ATERIAL QUANTITIES				
IATERIAL QUANTITIES	2			
IATERIAL QUANTITIES	2			
	2			
Initial Volume: 63,889				
Initial Volume:63,889Swell factor:1.165Loose volume:74,431 LCY	<u> </u>			
Initial Volume: 63,889 Swell factor: 1.165 Loose volume: 74,431 LCY purce of estimated volume:	 	on, Mining & Safety		
Initial Volume:63,889Swell factor:1.165Loose volume:74,431 LCY	 	on, Mining & Safety		
Initial Volume: 63,889 Swell factor: 1.165 Loose volume: 74,431 LCY purce of estimated volume: purce of estimated swell factor:	 	on, Mining & Safety		
Initial Volume: 63,889 Swell factor: 1.165 Loose volume: 74,431 LCY purce of estimated volume: ource of estimated swell factor: OURLY PRODUCTION	 Division of Reclamati Cat Handbook	on, Mining & Safety		
Initial Volume: 63,889 Swell factor: 1.165 Loose volume: 74,431 LCY Durce of estimated volume: Durce of estimated swell factor: OURLY PRODUCTION verage push distance:	Division of Reclamati Cat Handbook	on, Mining & Safety		
Initial Volume: 63,889 Swell factor: 1.165 Loose volume: 74,431 LCY purce of estimated volume: ource of estimated swell factor: OURLY PRODUCTION	 Division of Reclamati Cat Handbook	on, Mining & Safety		
Initial Volume: 63,889 Swell factor: 1.165 Loose volume: 74,431 LCY Durce of estimated volume: Durce of estimated swell factor: OURLY PRODUCTION verage push distance:	Division of Reclamati Cat Handbook 100 feet 852.6 LCY/hr			
Initial Volume: 63,889 Swell factor: 1.165 Loose volume: 74,431 LCY ource of estimated volume: ource of estimated swell factor: OURLY PRODUCTION verage push distance: nadjusted hourly production: aterials consistency description	Division of Reclamati Cat Handbook 100 feet 852.6 LCY/hr a: Partly consolidated			
Initial Volume: 63,889 Swell factor: 1.165 Loose volume: 74,431 LCY ource of estimated volume: ource of estimated swell factor: OURLY PRODUCTION verage push distance: nadjusted hourly production: aterials consistency description verage push gradient:30 %	Division of Reclamati Cat Handbook 100 feet 852.6 LCY/hr a: Partly consolidated			
Initial Volume: 63,889 Swell factor: 1.165 Loose volume: 74,431 LCY ource of estimated volume: ource of estimated swell factor: OURLY PRODUCTION verage push distance: nadjusted hourly production: aterials consistency description	Division of Reclamati Cat Handbook 100 feet 852.6 LCY/hr a: Partly consolidated			
Initial Volume: 63,889 Swell factor: 1.165 Loose volume: 74,431 LCY purce of estimated volume: 000000000000000000000000000000000000	<u> Division of Reclamati</u> <u> Cat Handbook</u> 100 feet 852.6 LCY/hr n: Partly consolidated 6 9 feet			
Initial Volume: 63,889 Swell factor: 1.165 Loose volume: 74,431 LCY purce of estimated volume: 000000000000000000000000000000000000	Division of Reclamati Cat Handbook 100 feet 852.6 LCY/hr a: Partly consolidated			
Initial Volume: 63,889 Swell factor: 1.165 Loose volume: 74,431 LCY purce of estimated volume: 000000000000000000000000000000000000	<u> Division of Reclamati</u> <u> Cat Handbook</u> 100 feet 852.6 LCY/hr n: Partly consolidated 6 9 feet	stockpile 1.1		
Initial Volume: 63,889 Swell factor: 1.165 Loose volume: 74,431 LCY purce of estimated volume: 000000000000000000000000000000000000	Division of Reclamati Cat Handbook 100 feet 852.6 LCY/hr a: Partly consolidated 6 9 feet 100 feet	stockpile 1.1 50% Earth		
Initial Volume: 63,889 Swell factor: 1.165 Loose volume: 74,431 LCY purce of estimated volume: 000000000000000000000000000000000000	Division of Reclamati Cat Handbook 100 feet 852.6 LCY/hr a: Partly consolidated 6 9 feet 0 lbs/LCY mposed rock - 50% Rock,	stockpile 1.1 50% Earth Source		
Initial Volume: 63,889 Swell factor: 1.165 Loose volume: 74,431 LCY purce of estimated volume: purce of estimated volume: purce of estimated swell factor: 0URLY PRODUCTION werage push distance: nadjusted hourly production: aterials consistency description -30 % werage site altitude: -30 % aterial weight: 2,900 eight description: Deco b Condition Correction Factor Operator Skill;	Division of Reclamati Cat Handbook 100 feet 852.6 LCY/hr n: Partly consolidated 6 9 feet 0 lbs/LCY mposed rock - 50% Rock, 0.750	stockpile 1.1 50% Earth <u>Source</u> (AVG.)		
Initial Volume: 63,889 Swell factor: 1.165 Loose volume: 74,431 LCY purce of estimated volume: 000000000000000000000000000000000000	Division of Reclamati Cat Handbook 100 feet 852.6 LCY/hr a: Partly consolidated 6 9 feet 0 lbs/LCY mposed rock - 50% Rock,	stockpile 1.1 50% Earth Source		

Visibili	ty: 1.000	(AVG.)
Job efficien	cy: 0.830	(1 SHIFT/DAY)
Spoil pi	ile: 0.800	(SSD-AC)
Push gradie	nt: 1.601	(CAT HB)
Altitu	de: 1.000	(CAT HB)
Material Weig	ht: 0.793	(CAT HB)
Blade ty	pe: 1.000	(PAT)
Net correction	on: 0.6955	
Adjusted unit production:	592.98 LCY/hr	
Adjusted fleet production:	592.98 LCY/hr	

JOB TIME AND COST

Fleet size:	1 Dozer(s)
Unit cost:	\$0.345/LCY

Total job time:	125.52 Hours
Total job cost:	\$25,662.45

Page 1 of 2

BULLDOZER WORK

Task description:	Move Overurden to Center	· Pivot Field		
e: Cugnini Gravel Pit	Permit Action	2014 Inspection	Permit/Job#:	M1986061
PROJECT IDENTIF	ICATION			
Task #:004	State: Colorado)	Abbreviation:	None
Date: $\frac{4/16/2014}{KAP}$	County: La Plata		Filename:	M061-004
User: KAP				
Agency or orga	nization name: DRMS			
HOURLY EQUIPMI	ENT COST			
	t D8T - 8SU			
Horsepower: 310				
· · · · · · · · · · · · · · · · · · ·	mi-Universal			
	hank ripper			
	er day			
Data Source: (CI	RG)	-Hum-shrue		
Cost Breakdown:		1		
Or the Or the	\$ < 2 ,22	Utilization %		
Ownership Cost/Hour:	\$63.00	NA		
Operating Cost/Hour:	\$104.03	100		
Dinner on Cost/Mour	\$0.00	0		
Ripper op. Cost/Hour:				
Operator Cost/Hour:	\$37.41	NA	<u></u>	
Operator Cost/Hour: Total unit Cost/Hour:	\$204.45	NA		
Operator Cost/Hour:		NA	<u></u>	
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour:	\$204.45 \$204.45			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT	\$204.45 \$204.45 TTIES	<u> NA</u>		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL OUANT Initial Volume: _40,00	\$204.45 \$204.45 TTIES 00			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 40,00 Swell factor: 1.000	\$204.45 \$204.45 TTIES 00 0			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL OUANT Initial Volume: 40,00 Swell factor: 1.000 Loose volume: 40,00	\$204.45 \$204.45 TTIES 00 0 00 LCY			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL OUANT Initial Volume: 40,00 Swell factor: 1.000 Loose volume: 40,00 Source of estimated volur	\$204.45 \$204.45 TTIES 00 0 00 00 LCY me: Division of Reclamat	ion, Mining & Safety		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL OUANT Initial Volume: 40,00 Swell factor: 1.000 Loose volume: 40,00	\$204.45 \$204.45 TTIES 00 0 00 00 LCY ne: Division of Reclamat			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL OUANT Initial Volume: 40,00 Swell factor: 1.000 Loose volume: 40,00 Source of estimated volur	\$204.45 \$204.45 TTIES 00 00 00 LCY ne: Division of Reclamate factor: Cat Handbook			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUANT</u> Initial Volume: 40,00 Swell factor: 1.000 Loose volume: 40,00 Source of estimated volur Source of estimated swell	\$204.45 \$204.45 TTIES 00 00 00 LCY ne: Division of Reclamate factor: Cat Handbook			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 40,00 Swell factor: 1.000 Loose volume: 40,00 Source of estimated volur Source of estimated volur Source of estimated swell HOURLY PRODUCT	\$204.45 \$204.45 TTIES 00 0 00 LCY ne: Division of Reclamat factor: Cat Handbook TION 100 feet			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL OUANT Initial Volume: 40,00 Swell factor: 1.000 Loose volume: 40,00 Source of estimated volur Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance:	\$204.45 \$204.45 \$204.45 TTIES 00 100 10 10	ion, Mining & Safety		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 40,00 Swell factor: 1.000 Loose volume: 40,00 Source of estimated volur Source of estimated volur Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product	\$204.45 \$204.45 TTIES 00 0 00 LCY ne: Division of Reclamate factor: Cat Handbook TION extion: 100 feet \$52.6 LCY/hr cription: Partly consolidated	ion, Mining & Safety		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 40,00 Swell factor: 1.000 Loose volume: 40,00 Source of estimated volur Source of estimated volur Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency dest Average push gradient:	\$204.45 \$204.45 TTIES 00 0 00 LCY ne: Division of Reclamate 1 factor: Cat Handbook FION 200 feet 2010 feet	ion, Mining & Safety		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 40,00 Swell factor: 1.000 Loose volume: 40,00 Source of estimated volur Source of estimated volur Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product	\$204.45 \$204.45 TTIES 00 0 00 LCY ne: Division of Reclamate factor: Cat Handbook TION extion: 100 feet \$52.6 LCY/hr cription: Partly consolidated	ion, Mining & Safety		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 40,00 Swell factor: 1.000 Loose volume: 40,00 Source of estimated volur Source of estimated volur Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency dest Average push gradient:	\$204.45 \$204.45 TTIES 00 0 00 LCY ne: Division of Reclamate 1 factor: Cat Handbook FION 200 feet 2010 feet	ion, Mining & Safety		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 40,00 Swell factor: 1.000 Loose volume: 40,00 Source of estimated volur Source of estimated volur Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency dest Average push gradient: Average site altitude:	\$204.45 \$204.45 TTIES 00 0 00 LCY ne: Division of Reclamate 1 factor: Cat Handbook CION ettion: 100 feet ettion: 852.6 LCY/hr cription: Partly consolidated -10 % 6,700 feet	ion, Mining & Safety		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 40,00 Swell factor: 1.000 Loose volume: 40,00 Source of estimated volur Source of estimated volur Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency dest Average push gradient: Average site altitude: Material weight: Weight description:	\$204.45 \$204.45 TTIES 00 0 00 LCY ne: Division of Reclamate 1 factor: Cat Handbook TION extion: 852.6 LCY/hr cription: Partly consolidated -10 % 6,700 feet 2,550 lbs/LCY Earth - Dry packed	ion, Mining & Safety		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL OUANT Initial Volume: 40,00 Swell factor: 1.000 Loose volume: 40,00 Source of estimated volur Source of estimated volur Source of estimated volur Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly produc Materials consistency dese Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operator S	\$204.45 \$204.45 TTIES 00 0 00 LCY ne: Division of Reclamate 1 factor: Cat Handbook CION extion: 100 feet extion: 852.6 LCY/hr cription: Partly consolidated -10 % 6,700 feet 2,550 lbs/LCY Earth - Dry packed Factor 0.750	ion, Mining & Safety		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 40,00 Swell factor: 1.000 Loose volume: 40,00 Source of estimated volur Source of estimated volur Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency dest Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction	\$204.45 \$204.45 TTIES 00 0 00 LCY ne: Division of Reclamate 1 factor: Cat Handbook FION 2xtion: 100 feet \$52.6 LCY/hr cription: Partly consolidated -10 % 6,700 feet 2,550 lbs/LCY Earth - Dry packed Factor 0.750 Skill: 0.750 mcy: 1.100	ion, Mining & Safety		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.225	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Adjusted unit production:	516.08 LCY/hr
Adjusted fleet production:	516.08 LCY/hr

JOB TIME AND COST

Fleet size:	1 Dozer(s)
Unit cost:	\$0.396/LCY

Total job time:	77.51 Hours
Total job cost:	\$15,846.35

Page 1 of 2

SCRAPER TEAM WORK

Site: Cugnini Gravel	Pit	Permit Action:	2014 Inspection	n Per	mit/Job#: <u>M198</u>	6061
PROJECT IDEN	TIFICATION					
Task #: 005 Date: 4/16/2 User: KAP		State: <u>Colorado</u> unty: <u>La Plata</u>		Construction of Construction o	viation: <u>None</u> lename: <u>M061-</u>	005
Agency or	organization name	DRMS				
HOURLY EQUI	<u>PMENT</u>		COSTS	hift basis: <u>1 per c</u>	lay	
		Equipme	ent Description			
		Scraper: Cat 637				
Suppo	ort Equipment -Loa	-Dozer: NA d Area: NA				
	-Dum	p Area: NA				
Road Ma	aintenance –Motor -Water	Grader: NA Truck: NA				
Cost Breakdown:	Scraper Wo Scraper	rk Team Dozer	Support Equi Load Area	pment Dump Area	Maintenance Motor Grader	Equipme Water
%Utilization-machine:	100	NA	NA	NA	NA	N
Ownership cost/hour:	\$97.63	NA	NA	NA	NA	N
Operating cost/hour:	\$232.31	NA	NA	NA	NA	N
Ripper op. cost/hour:	NA	NA	NA	NA	NA	N
Operator cost/hour:	\$30.02	NA	NA	NA	NA	N
Unit Subtotals:	\$359.96	NA	NA	NA	NA	N
Number of Units:	1	0	0	0	0	(
Group Subtotals:	Work:	\$359.96	Support:	\$0.00	Maint:	\$0.
Total work team cos MATERIAL QUA	**********************					
Initial volume: Loose volume:	133,333 133,333	CCY LCY	Swell fact	or: <u>1.000</u>	tan fan fan fan fan fan fan fan fan fan f	
	rce of estimated vo of estimated swell :		of Reclamation, 1 Ibook	Mining & Safety		
HOURLY PROD	UCTION					
			Scraper Bo	owl (volume) Bas	is:	
Material weight: Material description:	2,900 lbs/LCY Decomposed roc 50% Earth	k - 50% Rock,	Struck Heaped	Volume: 24.00 Volume: 34.00		CY CY
Rated Payload: Payload Capacity:	81,600 pounds 28.14 LCY		Average Adjusted C			CY CY

Cycle Time:

Scraper Loading Time: Maneuver and Spread Time:

Job Condition Correction:

0.80	Minutes
0.60	Minutes

Site Altitude: 6700 feet

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

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	2500.00	0.00	8.00	8.00	1131	2.26

Haul Time: 2.26 minutes

Return R	loute:					
Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	2500.00	0.00	8.00	8.00	1931	1.38
				Return Time:	1.38 r	ninutes
			Total Scrap	per team cycle time:	5.04	minutes
			Adjusted	I for job conditions:	278.03	 LCY/Hour
			Selected N	lumber of Scrapers:	1	Scraper(s)
	Adjuste	d single scra	per team (unit)) hourly production:	278.03	LCY/Hour
	Adjusted m	ultiple scrap	per team (fleet)) hourly production:	278.03	LCY/Hour
Optima	Unadjusted unit pro I Number of Scrapers pe			LCY/Hour		
JOB TI	ME AND COST					
Fleet	size:1	Team(s)		Total job time:	479.56	Hours
Unit	cost:\$1.295	/LCY		Total job cost:	\$172,623.90	<u></u>

Page 1 of 2

SCRAPER TEAM WORK

Site: Cugnini Gravel I	`it	Permit	t Action:	2014 Inspection	Per	mit/Job#: <u>M198</u>	6061
PROJECT IDEN	TIFICATION						
Task #:006		State:	Colorado		Abbre	viation: None	
Date: <u>4/16/2</u> User: KAP	014 Co	unty: <u>I</u>	La Plata		Fi	lename: M061-	006
	•		~				
Agency or	organization name:	DRM	.5				
HOURLY EQUI	<u>'MENT</u>			COSTSI	nift basis: <u>1 per c</u>	lay	
		,		nt Description			
		craper:	Cat 637 NA	G		· · · · · · · · · · · · · · · · · · ·	
Suppo	rt Equipment -Loa	-Dozer: d Area:	NA NA				
	-Dum	p Area:	NA				
Road Ma	intenance – Motor		NA				
	-water	Truck:	NA				
Cost Breakdown:	Scraper Wor	rk Team		Support Equip	oment	Maintenance	Equipm
	Scraper	Doz	zer	Load Area	Dump Area	Motor Grader	Wate
%Utilization-machine:	100	NA	4	NA	NA	NA]
Ownership cost/hour:	\$97.63	NA	4	NA	NA	NA]
Operating cost/hour:	\$232.31	NA	4	NA	NA	NA]
Ripper op. cost/hour:	NA	NA	4	NA	NA	NA]
Operator cost/hour:	\$30.02	NA	4	NA	NA	NA]
Unit Subtotals:	\$359.96	NA		NA	NA	NA]
Number of Units:	1	0		0	0	0	
Group Subtotals:	Work:	\$359	.96	Support:	\$0.00	Maint:	\$
		lume:	CCY LCY Division Cat Hand	Swell fact of Reclamation, N book			
HOURLY PROD	UCTION			Scraper Bo	wl (volume) Bas	is:	
Material weight:	2,550 lbs/LCY			Struck V		LC	ΞY
Material description:	Earth - Dry packe	d		Heaped V	/olume: 34.00	LC	CY
Rated Payload:	81,600 pounds			Average V		L(
Payload Capacity:	32.00 LCY			Adjusted C	apacity: 29.00	LC	ΣY

 $\frac{0.80}{0.60}$ Minutes

Site Altitude: 6700 feet

Cycle Time:

Scraper Loading Time:
Maneuver and Spread Time:

Job Condition Correction:

ScraperPush DozerSourceAltitude Adj:1.000NA(CAT HB)Job Efficiency:0.830NA(CAT HB)Net Correction:0.830NA(CAT HB)

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	1000.00	0.00	8.00	8.00	1131	0.93

Haul Time: 0.93 minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	1000.00	0.00	8.00	8.00	1931	0.60
				Return Time:	0.60	minutes
			Total Scrap	per team cycle time:	2.93	minutes
			Adjusted	l for job conditions:	492.90	LCY/Hour
			Selected N	lumber of Scrapers:	1	Scraper(s)
	Adjuste	d single scra	per team (unit)	hourly production:	492.90	LCY/Hour
	Adjusted n	ultiple scrap	per team (fleet)	hourly production:	492.90	LCY/Hour
Optima	Unadjusted unit pro al Number of Scrapers pe			LCY/Hour		
JOB TI	ME AND COST					
Flee	t size:1	_ Team(s)		Total job time:	97.38	Hours
Unit	t cost:\$0.730	/LCY		Total job cost:	\$35,053.85	

Page 1 of 2

BULLDOZER WORK

Task description:	Move Overurden to Center	Pivot Field		
ite: Cugnini Gravel Pit	Permit Action:	2014 Inspection	Permit/Job#:	M1986061
PROJECT IDENTIF	ICATION			
Task #: 007	State: Colorado		Abbreviation:	None
Date: 4/16/2014	County: La Plata		Filename:	M061-007
User: KAP				
Agency or organ	nization name: DRMS			<u></u>
HOURLY EQUIPME	ENT COST			
	: D8T - 8SU			
Horsepower: <u>310</u>				
	ni-Universal			
	hank ripper			
	er day	erettet.		
Data Source: (CF	(G)			
Cost Breakdown:				
Our englise Cost/III.	ØC2.00	Utilization %		
Ownership Cost/Hour:	\$63.00	<u>NA</u>		
Operating Cost/Hour: Ripper op. Cost/Hour:	\$104.03	100		
Operator Cost/Hour:	\$0.00	0		
Operator Cost/Hour:	\$37.41	NA		
Total unit Cost/Hour:	\$204.45			
Total Fleet Cost/Hour:	\$204.45			
MATERIAL QUANT	ITIES			
Initial Volume: 44,00				
Swell factor: 1.000				
)0 LCY			
······································				
Source of estimated volum		on, Mining & Safety		
Source of estimated swell	factor: Cat Handbook			
HOURLY PRODUCT	ION			
Average push distance:	100 feet			
Unadjusted hourly produc				
onadjusted nearly produc	10h. <u>852.0 EC 1/m</u>			
Materials consistency desc	cription: Consolidated stockp	ile 1.0		
Average push gradient:	0 %			
Average site altitude:	6,700 feet			
Material weight:	2,550 lbs/LCY		_	
Weight description:	Earth - Dry packed			
Job Condition Correction 1	Factor	Source	_	
Operator S		(AVG.)		
Material consister		(CAT HB)		
Dozing mether	hod: 1.000	(GEN.)		

Visibility:	1.000	(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:	0.902	(CAT HB)
Blade type:	1.000	(PAT)
Net correction:	0.4492	
Adjusted unit production: 38	2.99 LCY/hr	

JOB TIME AND COST

Fleet size:	_1 Dozer(s)	
Unit cost:	\$0.534/LCY	

Adjusted fleet production: 382.99 LCY/hr

Total job time:	114.89 Hours
Total job cost:	

BULLDOZER RIPPING WORK

	Task description	Rip compaction o	n pit floor			
Site:	Cugnini Gra	vel Pit Perm	it Action:	2014 Inspection	Permit/Job#	: M1986061
	PROJECT ID	ENTIFICATION				
		8 State:	Colorado La Plata		Abbreviation: Filename:	None M061-008
		y or organization name: DRI	MS.			
			10		<u></u>	
		UIPMENT COST				
		Machine: Cat D8T - 8SU tachment: 3-Shank Ripper			Horsepower:	310 per day
						CRG)
	Cost Breakdown	٠ ش				
		Ownership Cost/Hour:	<i>ቁሩን</i>		Itilization %	
		Operating Cost/Hour:	\$63. \$104		<u>NA</u> 100	
	Rip	per Operating Cost/Hour:	\$6.5		100	
		Operator Cost/Hour:	\$37.	······································	NA	
		Total Unit Cost/Hour:	\$210	.98		
		Total Fleet Cost/Hour:	\$210	.98		
]	<u>MATERIAL (</u>	<u>DUANTITIES</u>	Selea	cted estimating m	ethod: Area	
4	Alternate Metho	ds:				
smic:	NA	Bank	Volume:	NA	ВСҮ	NA
Area:	30.00	acres Rip D	epth (ft):	1.00	Volume: 48,400	BCY or C
		Source of estimated quantity	•			
]	HOURLY PR	ODUCTION				
í.	Seismic:					
		Seismic Veloci	ty:	NA	feet/second	
4	Area:					
		Average Ripping Dep		2.56	mph	
		Average Ripping Wid		7.08	degrees	
		Average Ripping Leng		500.00	feet	
		Average Dozer Spe		88.00	feet	
		Average Maneuver Tin Production per unit ar		0.25	feet acres/hour	
ı	lob Condition Co	•		0.022		
2				0.000	A /1	
	Un	adjusted Hourly Unit Production	·····	0.822	Acres/hr	
		Site Altitude A		6,700	feet	
		Altitude A Job Efficiend		<u> </u>	(CAT HB) (1 shift/day)	
		Net Correction	-	0.83	multiplier	
		Adjusted Hourly Unit Pr		0.68	Acres/hr	
		Adjusted Hourly Fleet Pi		0.68	Acres/hr	
<u>]</u>	JOB TIME AN	<u>ID COST</u>	-	· · · · · · · · · · · · · · · · · · ·		
	Fleet size:	<u>1</u> Grader(s)		Total job time:	43.97	Hours
	Unit cost:	\$309.232 Per acre		Total job cost:	\$9,277.00	

REVEGETATION WORK

Task description:		Revegetate dryland areas Permit Action: 2014 Inspection			Permit/Job#:	M1986061	
	T IDENTIFI	**************************************	_		And		
Task #: Date: User:	009 4/16/2014 KAP	State: County:	Colorado La Plata		Abbreviation: Filename:	None M061-009	
Ag	ency or organ	nization name:	MS				

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
10-34-0, 18-46-0, 5-10-5	200.00	pound	\$0.33	\$65.40
			Total Fertilizer Materials	
			Cost/Acre	\$65.40

Application

Description		Cost /Acre
Tractor towed spreader (MEANS 32 01 90.13 0120)		\$52.71
	Total Fertilizer Application Cost/Acre	\$52.71

TILLING

Description		Cost /Acre
Weed control spraying (MEANS 31 31 16.13 3100)		\$145.20
	Total Tilling Cost/Acre	\$145.20

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Smooth Brome - Manchar	5.20	17.31	\$10.24
Yellow Sweet Clover - Madrid	1.40	8.36	\$3.57
Pubescent Wheatgrass - VNS	6.00	12.40	\$11.82
Streambank Wheatgrass - Sodar	4.40	14.34	\$18.52
Western Wheatgrass - Native	6.40 16.16	\$19.46	
Totals Seed Mix	23.40	68.57	\$63.61

Application

Description	Cost /Acre
Broadcast seeding [DMG]	\$261.28

Total Seed Application Cost/Acre \$261.28

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$265.00	\$530.00
Total Mulah Mataviala Cost/A ava				
Total Mulch Materials Cost/Acre				\$530.00

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$65.89
Power mulcher (MEANS 32 91 13.16 0250)		\$86.68
	Total Mulch Application Cost/Acre	\$152.57

NURSERY STOCK PLANTING

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

JOB TIME AND COST

	No. of Acres:	9	Cost /Acre:	\$1,270.77
Estimat	ed Failure Rate:	25%	Cost /Acre*:	\$1,270.77
*Selected Replanti	ng Work Items:	FERTILIZING,TIL LCHING	LING,SEEDING,MU	
Initial Job Cost:	\$11,436.93			
Reseeding Job Cost:	\$2,859.23			
Total Job Cost:	\$14,296.16			
Job Hours:	10.00			

REVEGETATION WORK

Cugnini Gravel Pit Perr	nit Action: 201	4 Inspection	Permit/Job#	#: <u>M198606</u>
PROJECT IDENTIFICATION				
Task #: 010 State:	Colorado		Abbreviation:	None
Date: 4/16/2014 County:	La Plata		Filename:	M061-010
User: KAP				
Agency or organization name:DR	MS			
FERTILIZING				
Materials				
Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
			Total Fertilizer Materials Cost/Acre	\$0.00
Application				
Description				Cost /Acre
				\$
	Tota	Fertilizer Ap	plication Cost/Acre	\$0.00
TILLING				
Description				Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.2				\$98.01
Weed control spraying (MEANS 31 31 16.13				\$145.20
			al Tilling Cost/Acre	

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Orchardgrass - Latar	2.50	30.99	\$5.53
Meadow Brome - Regar	2.50	2.30	\$7.50
Timothy - Climax	2.50	71.74	\$2.88
Totals Seed Mix	7.50	105.03	\$15.90

Application

Description	Cost /Acre
Drill seeding (DRMS Cost Data)	\$88.20

Total Seed Application Cost/Acre \$88.

\$88.20

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$265.00	\$530.00
Total Mulch Materials Cost/Acre				\$530.00

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$65.89
Power mulcher (MEANS 32 91 13.16 0250)		\$86.68
	Total Mulch Application Cost/Acre	\$152.57

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
		······			\$
		Tota	uls Nursery Stoc	k Cost / Acre	\$0.00

JOB TIME AND COST

	No. of Acres: ed Failure Rate: ng Work Items:	 Cost /Acre: Cost /Acre*: G,MULCHING	 ·····
Initial Job Cost:	\$56,643.40		
Reseeding Job Cost:	\$14,160.85		
Total Job Cost:	\$70,804.25		
Job Hours:	10.00		

EQUIPMENT MOBILIZATION/DEMOBILIZATION

: Cugnini Grave	l Pit	Permit	Action:2014 I	nspection	Pe	ermit/Job#: <u>M19</u>	986061
PROJECT IDE	NTIFICAT	<u>'ION</u>					
Task #: 011		State: C	olorado		Abb	reviation: None	<u>,</u>
Date: 4/16 User: KAI	/2014		a Plata			*****	1-011
Agency of	or organizatio	n name: DRMS					
EQUIPMENT 7	FRANSPOI	<u>RT RIG COST</u>					
					Shift b	asis: 1 per da	av
					Cost Data Sou		
Truck	Tractor Desc	cription: GEN	FRIC ON HIGH		TOP TO ACT	OR, 6X4, DIESEL	DOWERED
TUCK	Tractor Dest	Inplication OEN.	ENC ON-HOH		P (2ND HALF,		. POWEKED,
Truc	c Trailer Desc	cription GENE	RIC FOLDING			DECK EQUIPME	NT TRAILED
1100					$\Gamma_{1}, 50T, AND 10$		ANT TRAILER
				(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Cost Breakdown:							
	pacities	0-25 Tons	26-50 Tons	51	+ Tons		
Available Rig Caj Ownership	Cost/Hour:	0-25 Tons \$16.63	26-50 Tons \$18.37		+ Tons		
Available Rig Caj Ownership Operating	Cost/Hour: Cost/Hour:	\$16.63 \$44.38	\$18.37 \$46.13	5			
Available Rig Ca Ownership Operating Operator	Cost/Hour: Cost/Hour: Cost/Hour:	\$16.63 \$44.38 \$27.66	\$18.37	9	\$22.33		
Available Rig Caj Ownership Operating Operator Helper	Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour:	\$16.63 \$44.38	\$18.37 \$46.13	9	522.33 550.07		
Available Rig Caj Ownership Operating Operator Helper	Cost/Hour: Cost/Hour: Cost/Hour:	\$16.63 \$44.38 \$27.66	\$18.37 \$46.13 \$27.66	4	522.33 550.07 527.66		
Available Rig Caj Ownership Operating Operator Helper Total Unit	Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour:	\$16.63 \$44.38 \$27.66 \$0.00 \$88.67	\$18.37 \$46.13 \$27.66 \$25.39	4	522.33 550.07 527.66 525.39		
Available Rig Ca Ownership Operating Operator Helper Total Unit	Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIP	\$16.63 \$44.38 \$27.66 \$0.00 \$88.67 MENT:	\$18.37 \$46.13 \$27.66 \$25.39 \$117.55	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	x22.33 550.07 527.66 x25.39 125.45	Return Trin	DOT Permi
Operating Operator Helper Total Unit NON ROADAB Machine	Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIP Weight/ Unit	\$16.63 \$44.38 \$27.66 \$0.00 \$88.67	\$18.37 \$46.13 \$27.66 \$25.39	4	22.33 550.07 527.66 525.39 125.45 Haul Trip Cost/hr/	Return Trip Cost/hr/ fleet	DOT Permi Cost/ fleet
Available Rig Caj Ownership Operating Operator Helper Total Unit NON ROADAB Machine Description	Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIP Weight/ Unit (TONS)	\$16.63 \$44.38 \$27.66 \$0.00 \$88.67 MENT: Owner ship Cost/hr/ unit	\$18.37 \$46.13 \$27.66 \$25.39 \$117.55 Haul Rig Cost/hr/unit	S S S S Fleet	22.33 550.07 527.66 525.39 125.45 Haul Trip Cost/hr/ fleet	Cost/hr/ fleet	Cost/ fleet
Available Rig Caj Ownership Operating Operator Helper Total Unit NON ROADAB Machine Description Cat D8T - 8SU	Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIP Weight/ Unit (TONS) 53.08	\$16.63 \$44.38 \$27.66 \$0.00 \$88.67 MENT: Owner ship Cost/hr/ unit \$63.00	\$18.37 \$46.13 \$27.66 \$25.39 \$117.55 Haul Rig Cost/hr/unit \$125.45	Fleet Size	22.33 550.07 527.66 525.39 125.45 Haul Trip Cost/hr/ fleet \$188.45	Cost/hr/ fleet \$125.45	S0.00
Available Rig Ca Ownership Operating Operator Helper Total Unit NON ROADAB Machine Description Cat D8T - 8SU Cat 637G	Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIP Weight/ Unit (TONS) 53.08 57.28	\$16.63 \$44.38 \$27.66 \$0.00 \$88.67 MENT: Owner ship Cost/hr/ unit \$63.00 \$97.63	\$18.37 \$46.13 \$27.66 \$25.39 \$117.55 Haul Rig Cost/hr/unit \$125.45 \$125.45	Fleet Size	22.33 50.07 527.66 525.39 125.45 Haul Trip Cost/hr/ fleet \$188.45 \$223.08	Cost/hr/ fleet \$125.45 \$125.45	Cost/ fleet \$0.00 \$0.00
Available Rig Ca Ownership Operating Operator Helper	Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIP Weight/ Unit (TONS) 53.08	\$16.63 \$44.38 \$27.66 \$0.00 \$88.67 MENT: Owner ship Cost/hr/ unit \$63.00	\$18.37 \$46.13 \$27.66 \$25.39 \$117.55 Haul Rig Cost/hr/unit \$125.45	Fleet Size	22.33 550.07 527.66 525.39 125.45 Haul Trip Cost/hr/ fleet \$188.45	Cost/hr/ fleet \$125.45	S0.00
Available Rig Caj Ownership Operating Operator Helper Total Unit NON ROADAB Machine Description Cat D8T - 8SU Cat 637G Drill/Broadcast	Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIP Weight/ Unit (TONS) 53.08 57.28	\$16.63 \$44.38 \$27.66 \$0.00 \$88.67 MENT: Owner ship Cost/hr/ unit \$63.00 \$97.63	\$18.37 \$46.13 \$27.66 \$25.39 \$117.55 Haul Rig Cost/hr/unit \$125.45 \$125.45	Fleet Size	22.33 50.07 527.66 525.39 125.45 Haul Trip Cost/hr/ fleet \$188.45 \$223.08	Cost/hr/ fleet \$125.45 \$125.45	\$0.00 \$0.00

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.	\$15.34	1	\$15.34	\$15.34
		Subtotals:	\$15.34	\$15.34

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	DURANGO	
Total one-way travel distance:	5.00	miles
Average Travel Speed:	40.00	mph
Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig:	\$2,807.89	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$3.84	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.13	0.13
Return Time (Hours):	0.13	0.13
Loading Time (Hours):	1.00	NA
Unloading Time (Hours):	1.00	NA
Subtotals:	2.25	0.25

JOB TIME AND COST

Total job time: **4.50** Hours

Total job cost: \$2,811.73