STATE OF COLORADO

DIVISION OF RECLAMATION, MINING AND SAFETY Department of Natural Resources

1313 Sherman St., Room 215 Denver, Colorado 80203 Phone: (303) 866-3567 FAX: (303) 832-8106



John W. Hickenlooper Governor

Mike King Executive Director

Loretta E. Piñeda Director

April 9, 2014

Andrea Holley H & H Stone P.O. Box 246 Dove Creek, CO 81324

Re: H & H Quarry #2, Permit No. M-1998-080, Financial Warranty Increase, Revision No. SI-1

Dear Holley:

On April 9, 2014 the Division of Reclamation, Mining and Safety increased the current Financial Warranty for this permit to \$18,206.33, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of \$11,859.33.

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

Task d	escription:				
Site:	H & H Quarry #2	Permit Action:	2014 Inspe A		it/Job#: <u>M1998080</u>
]	PROJECT IDENTIFICATION				
	Task #:00AState:ColoradeDate:3/18/2014County:DoloresUser:KAPImage: ColoradeImage: Colorade)		Abbreviation Filename	
	Agency or organization name: DRMS				
- -	FASK LIST (DIRECT COSTS)				
Task	Description	Form	Fleet	Task Hours	Cost
01A	Push material from upper level	Used DOZER	Size		
02A	Push material from lower level	DOZER	- 1	1.14	\$293.04
02A 03A	Push material from lower level to base of highwall	DOZER	1	20.46	\$5,275.66
04A	Rip Pit Floor	RIPPER	-1	7.53 3.63	\$1,943.01
05A	Replace topsoil on disturbed area	DOZER	1	4.53	\$967.00
06A	Revegetation	REVEGE		5.00	\$1,167.52
07A	Mobilize	MOBILIZE	-1	3.28	\$3,419.96 \$1,023.44
08A	Pull back stockpiled sandstone rubble from edge	EXCAVATE		13.56	\$1,107.00
0071	T un ouek stockphed sandstone rubble nom edge	EACAVATE	/ <u>1</u>	15.50	\$1,107.00
		<u>SUB</u>	TOTALS:	59.13	\$15,196.63
	NDIRECT COSTS OVERHEAD AND PROFIT:				ahymenann <u> — — — — — — — — — — — — — — — — — — — </u>
<u></u>					
	Liability insurance: 0.00% Performance bond: 0.00%				\$0.00
	Performance bond: 0.00% Job superintendent: 22.78 hrs				\$0.00
	Profit: 10.00%				\$1,490.04 \$1,519.66
	110111. 10.0070		тот		\$3,009.70
	CON	TRACT AMO			\$18,206.33
			orra (amoo		<i>Ф10,200.33</i>
L	EGAL - ENGINEERING - PROJECT MANAGEMEN	Γ:			
	Financial warranty processing (legal/related costs):	0.00		Total =	0.00
	Engineering work and/or contract/bid preparation:	0.00%			\$0.00
	Reclamation management and/or administration:	0.00%			\$0.00
	CONTINGENCY:	0.00		Total =	\$0.00
		TOTA	AL INDIRE	CT COST = _	\$3,009.70
	TOTAL B	OND AMOUN	NT (direct +	indirect) =	\$18,206.33

Task description:	Push material from	upper le	vel		
e: H & H Quarry #2	Permit .	Action:	2014 Inspection A	Permit/Job#:	M1998080
PROJECT IDENTI	ICATION				
Task #: 01A	State: Co	olorado		Abbreviation:	None
Date: 3/18/2014		olores		Filename:	M080-01A
User: KAP				-	
Agency or orga	anization name:)			
HOURLY EQUIPM	ENT COST				
Basic Machine: Ca	ut D9T - 9SU				
Horsepower: 40					
	mi-Universal				
	shank ripper				
	per day				
	RG)		_		
	<u>((d)</u>				
Cost Breakdown:		I	T Thilling At any O/		
Ownership Cost/Hour:	\$78.33		Utilization %		
Operating Cost/Hour:			<u>NA</u>		
Ripper op. Cost/Hour:	\$142.13 \$0.00		100		
• • •	·····		0		
Operator Cost/Hour:	\$37.41		NA		
Total unit Cost/Hour:	\$257.87				
Total Fleet Cost/Hour:	\$257.87				
MATERIAL QUANT Initial Volume: 711 Swell factor: 1.66	57				
Loose volume: 1,18	35 LCY				
Source of estimated volu Source of estimated swel			on, Mining & Safety		
	TAN				
HOURLY PRODUC	<u>110N</u>				
Average push distance:	50 feet		10 - 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		
Unadjusted hourly produ-	ction: 2,110.5 LCY/hr				
Materials consistency des	scription: <u>Rock</u> , well 1	ripped or	blasted 0.8		
Average push gradient:	0 %				
Average site altitude:	6,800 feet				
Material weight:	2,550 lbs/LCY	~			
Weight description:	Sandstone				
Job Condition Correction	Factor		Source		
Operator			(AVG.)		
Material consiste			(CAT HB)	**********	
Dozing me			(50% SL)	······	
•					

ty: 1.000	(AVG.)
cy: 0.830	(1 SHIFT/DAY)
lle: 1.000	(DOZ-OC)
nt: 1.000	(CAT HB)
de: 1.000	(CAT HB)
ht: 0.902	(CAT HB)
be: 1.000	(PAT)
on: 0.4941	
1,042.80 LCY/hr	
1042.8 LCY/hr	·······
	cy: 0.830 ile: 1.000 ent: 1.000 de: 1.000 ht: 0.902 pe: 1.000 on: 0.4941 1,042.80 LCY/hr

Fleet size:	1 Dozer(s)
Unit cost:	\$0.247/LCY

Total job time:	1.14 Hours
Total job cost:	\$293.04

Task description:	Push material from	<u>m lower lev</u>	vel		
e: <u>H & H Quarry #2</u>	Perm	it Action:	2014 Inspection A	Permit/Job#:	M1998080
PROJECT IDENTIF	ICATION				
Task #: 02A	State:	Colorado		Abbreviation:	None
Date: 3/18/2014	County:	Dolores		Filename:	M080-02A
User: KAP	•			_	
Agency or orga	nization name: <u>DRN</u>	vis			
HOURLY EQUIPMI	ENT COST				
Basic Machine: Ca	t D9T - 9SU				
Horsepower: 40.	5				
Blade Type: Ser	mi-Universal				
Attachment: 3-s	hank ripper				
	er day				
	RG)				
Cost Breakdown:					
			Utilization %		
Ownership Cost/Hour:	\$78.33		NA		
Operating Cost/Hour:	\$142.13		100		
Ripper op. Cost/Hour:	\$0.00		0		
Ripper op. Costribur.					
			NΔ		
Operator Cost/Hour:	\$37.41		NA		
Operator Cost/Hour: Total unit Cost/Hour:	\$37.41 \$257.87		NA		
Operator Cost/Hour:	\$37.41		NA		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUANT</u> Initial Volume: <u>6,30</u>	\$37.41 \$257.87 \$257.87 <u>\$257.87</u> <u>\$111ES</u> 4		NA		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUANT</u> Initial Volume: <u>6,30</u> Swell factor: <u>1.66</u>	\$37.41 \$257.87 \$257.87 <u>\$257.87</u> <u>\$111ES</u> 4		NA		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUANT</u> Initial Volume: 6,30 Swell factor: 166 Loose volume: 10,5 Source of estimated volum	\$37.41 \$257.87 \$257.87 CITIES 4 7 07 LCY me:Division of		NA		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUANT</u> Initial Volume: <u>6,30</u> Swell factor: <u>1.66</u> Loose volume: <u>10,5</u> Source of estimated volum Source of estimated swell	\$37.41 \$257.87 \$257.87 CITIES 4 7 07 LCY me: Division of 1 factor: Cat Handbo				
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUANT</u> Initial Volume: 6,30 Swell factor: 166 Loose volume: 10,5 Source of estimated volum	\$37.41 \$257.87 \$257.87 CITIES 4 7 07 LCY me: Division of 1 factor: Cat Handbo				
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUANT</u> Initial Volume: <u>6,30</u> Swell factor: <u>1.66</u> Loose volume: <u>10,5</u> Source of estimated volum Source of estimated swell	\$37.41 \$257.87 \$257.87 CITIES 4 7 07 LCY me: Division of l factor: Cat Handbo <u>CION</u> 70 feet	ook			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 6,30 Swell factor: 1.66 Loose volume: 10,5 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance:	\$37.41 \$257.87 \$257.87 CITIES 4 7 07 LCY me: Division of l factor: Cat Handbo FION 70 feet 1,633.5 LCY/	bok Thr			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 6,30 Swell factor: 166 Loose volume: 10,5 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product	\$37.41 \$257.87 \$257.87 CITIES 4 7 07 LCY me: Division of l factor: Cat Handbo FION 70 feet 1,633.5 LCY/	bok Thr	on, Mining & Safety		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 6,30 Swell factor: 166 Loose volume: 10,5 Source of estimated volum Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product	\$37.41 \$257.87 \$257.87 CITIES 4 7 07 LCY me: Division of 1 factor: Cat Handbo CION Cat Handbo CION Cat Handbo CION Cat Handbo Cat Handbo Cat Handbo Cat Handbo Cat Handbo Cat Handbo Cat Handbo	bok Thr	on, Mining & Safety		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 6,30 Swell factor: 166 Loose volume: 10,5 Source of estimated volum Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency des Average push gradient:	\$37.41 \$257.87 5257.87 TITIES 4 7 07 LCY me: Division of l factor: Cat Handbo CION CION Cat Handbo CION Cat Handbo CION Cat Handbo CION Constant Constant Const	bok Thr	on, Mining & Safety		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 6,30 Swell factor: 1.66 Loose volume: 10,5 Source of estimated volum Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency des Average push gradient: Average site altitude:	\$37.41 \$257.87 \$257.87 TITIES 4 7 07 LCY me: Division of l factor: Cat Handbo FION ction: 1,633.5 LCY/ scription: Rock, avg 0 % 6,800 feet	bok /hr	on, Mining & Safety		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 6,30 Swell factor: 166 Loose volume: 10,5 Source of estimated volut Source of estimated volut Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency des Average push gradient: Average site altitude: Material weight:	\$37.41 \$257.87 5257.87 TTHES 4 7 07 LCY me: Division of 1 factor: Cat Handbo FION ction: 1,633.5 LCY/ scription: Rock, avg 0 % 6,800 feet 2,550 lbs/LCY Sandstone	bok /hr	on, Mining & Safety		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume:	\$37.41 \$257.87 5257.87 CITIES 4 7 07 LCY me: Division of l factor: Cat Handbo FION 70 feet 1,633.5 LCY/ scription: Rock, avg 0 % 6,800 feet 2,550 lbs/LCY Sandstone <u>Factor</u> Skill: 0.75	bok fhr g. ripped or	on, Mining & Safety		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 6,30 Swell factor: 1.66 Loose volume: 10,5 Source of estimated volum Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency des Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction	\$37.41 \$257.87 S257.87 CITIES 4 7 07 LCY me: Division of 1 factor: Cat Handbo Cat Handbo Cat Hand	bok fhr g. ripped or 50	on, Mining & Safety		

Visibili	ity:	1.000	(AVG.)
Job efficien	cy:	0.830	(1 SHIFT/DAY)
Spoil p	ile:	0.800	(FND-RF)
Push gradie	ent:	1.000	(CAT HB)
Altitu	de:	1.000	(CAT HB)
Material Weig	;ht:	0.902	(CAT HB)
Blade ty	pe:	1.000	(PAT)
Net correction	on: 0.3144	L	
Adjusted unit production:	513.57 LC	Y/hr	
Adjusted fleet production:	513.57 LC	Y/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$0.502/LCY

Total job time:	20.46 Hours
Total job cost:	\$5,275.66

Task description:	Push material from	10 11 01 10	ver to subv ox mgmmun		
H & H Quarry #2	Permit	Action:	2014 Inspection A	Permit/Job#:	M1998080
PROJECT IDENTI	FICATION				
Task #: 03A		Colorado		Abbreviation:	None
Date: 3/18/2014		Dolores	······	Filename:	M080-03A
User: KAP	County	/010103		r nename.	W1000-03A
Agency or org	anization name: <u>DRMS</u>	<u>S</u>			
HOURLY EQUIPM	ENT COST				
	at D9T - 9SU				
Horsepower: 4					
Blade Type: Se	mi-Universal				
Attachment: 3-	shank ripper				
Shift Basis: 1	per day				
	RG)				
Cost Breakdown:					
			Utilization %		
Ownership Cost/Hour:	\$78.33		NA		
Operating Cost/Hour:			100		
Ripper op. Cost/Hour:			0		
			······		
Operator Cost/Hour	\$37.41		NT A		
Operator Cost/Hour:	\$37.41		NA	···	
- Total unit Cost/Hour:	\$37.41 \$257.87		NA		
•		1	NA	n u	
- Total unit Cost/Hour:	\$257.87		NA		
- Total unit Cost/Hour:	\$257.87 \$257.8 7		NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN	\$257.87 \$257.87 FITIES	I	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 1,76	\$257.87 \$257.87 FITIES 57		NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 1,74 Swell factor: 1.66	\$257.87 \$257.8 7 <u>FITIES</u> 57 57		NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 1,74 Swell factor: 1.66 Loose volume: 2,94	\$257.87 \$257.87 FITIES 57 57 45 LCY				
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 1,74 Swell factor: 1.66 Loose volume: 2,94 ource of estimated volu	\$257.87 \$257.87 FITIES 57 57 45 LCY me: Division of R	eclamatic	NA on, Mining & Safety		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 1,74 Swell factor: 1.66 Loose volume: 2,94	\$257.87 \$257.87 FITIES 57 57 45 LCY me: Division of R	eclamatic			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL OUAN Initial Volume: 1,70 Swell factor: 1.60 Loose volume: 2,90 ource of estimated volu ource of estimated swe	\$257.87 \$257.87 FITIES 57 57 45 LCY Ime: Division of R Il factor: Cat Handbool	eclamatic k			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 1,74 Swell factor: 1.66 Loose volume: 2,94 ource of estimated volu ource of estimated swe IOURLY PRODUCC	\$257.87 \$257.87 TITIES 57 57 45 LCY ume: Division of R Il factor: Cat Handbool TION	eclamatic			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 1,74 Swell factor: 1,60 Loose volume: 0urce of estimated volu ource of estimated swe HOURLY PRODUCC Average push distance:	\$257.87 \$257.87 TITIES 57 57 45 LCY ume: Division of R Il factor: Cat Handbool TION 100 feet	k			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 1,74 Swell factor: 1.66 Loose volume: 2,94 ource of estimated volu ource of estimated swe IOURLY PRODUCC	\$257.87 \$257.87 TITIES 57 57 45 LCY ume: Division of R Il factor: Cat Handbool TION 100 feet	k			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 1,74 Swell factor: 1,60 Loose volume: 0urce of estimated volu ource of estimated swe HOURLY PRODUCC Average push distance:	\$257.87 \$257.87 FITIES 57 57 57 57 57 57 57 57 57 57	<u>k</u>	on, Mining & Safety		
Total unit Cost/Hour: Total Fleet Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 1,70 Swell factor: 1.60 Loose volume: 2,94 ource of estimated volu 000000000000000000000000000000000000	\$257.87 \$257.87 FITIES 57 57 45 LCY Ime: Division of R 100 feet 1,243.2 LCY/hr scription: Rock, avg.	<u>k</u>	on, Mining & Safety		
Total unit Cost/Hour: Total Fleet Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 1,70 Swell factor: 1.60 Loose volume: 2,90 ource of estimated volu 000000000000000000000000000000000000	\$257.87 \$257.87 TITIES 57 57 57 57 57 57 57 57 57 57	<u>k</u>	on, Mining & Safety		
Total unit Cost/Hour: Total Fleet Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 1,70 Swell factor: 1.60 Loose volume: 2,94 ource of estimated volu 000000000000000000000000000000000000	\$257.87 \$257.87 FITIES 57 57 45 LCY Ime: Division of R 100 feet 1,243.2 LCY/hr scription: Rock, avg.	<u>k</u>	on, Mining & Safety		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 1,74 Swell factor: 1.66 Loose volume: 2,94 ource of estimated volu ource of estimated swe HOURLY PRODUC Average push distance: Madjusted hourly produce Materials consistency de verage push gradient: verage site altitude:	\$257.87 \$257.87 TITIES 57 57 45 LCY ume: Division of R Il factor: Cat Handbool TION 100 feet action: 1,243.2 LCY/hr scription: Rock, avg. 1 0 % 6,800 feet	<u>k</u>	on, Mining & Safety		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL OUAN Initial Volume: 1,74 Swell factor: 1.60 Loose volume: 2,94 ource of estimated volu 000000000000000000000000000000000000	\$257.87 \$257.87 TITIES 57 57 57 45 LCY ume: Division of R Il factor: Cat Handbool TION action: 100 feet 100 feet scription: Rock, avg. 0 % 6,800 feet 2,550 lbs/LCY	<u>k</u>	on, Mining & Safety		
Total unit Cost/Hour: Total Fleet Cost/Hour: VATERIAL QUANT Initial Volume: 1,74 Swell factor: 1,66 Loose volume: 2,92 ource of estimated volu ource of estimated swe HOURLY PRODUC Atterials consistency de verage push distance: Inadjusted hourly produ Atterials consistency de verage site altitude: Iaterial weight: /eight description:	\$257.87 \$257.87 TITIES 57 57 45 LCY ume: Division of R Il factor: Cat Handbool TION 100 feet action: 1,243.2 LCY/hr scription: Rock, avg. 1 0 % 6,800 feet 2,550 lbs/LCY Sandstone	<u>k</u>	on, Mining & Safety		
Total unit Cost/Hour: Total Fleet Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: Swell factor: 1.60 Loose volume: 2.94 ource of estimated volu ource of estimated swe HOURLY PRODUC Average push distance: Inadjusted hourly produ Aterials consistency de verage push gradient: verage site altitude: Iaterial weight: /eight description: ob Condition Correction	\$257.87 \$257.87 TITIES 57 57 57 45 LCY ume: Division of R Il factor: Cat Handbool TION 100 feet action: 1,243.2 LCY/hr scription: Rock, avg. 1 0 % 6,800 feet 2,550 lbs/LCY Sandstone a Factor 1	k ripped or	on, Mining & Safety blasted 0.7 Source		
Total unit Cost/Hour: Total Fleet Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 1,74 Swell factor: 1.60 Loose volume: 2,94 ource of estimated volu ource of estimated swe HOURLY PRODUC Average push distance: Inadjusted hourly produ Aterials consistency de verage push gradient: verage site altitude: Iaterial weight: /eight description: ob Condition Correction Operator	\$257.87 \$257.87 TITIES 57 57 57 57 45 LCY ume: Division of R Il factor: Cat Handbool TION action: 100 feet action: 1,243.2 LCY/hr scription: Rock, avg. 0 % 6,800 feet 2,550 lbs/LCY Sandstone a Factor 0.750	k ripped or	on, Mining & Safety		
Total unit Cost/Hour: Total Fleet Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: Swell factor: 1.60 Loose volume: 2.94 ource of estimated volu ource of estimated swe HOURLY PRODUC Average push distance: Inadjusted hourly produ Aterials consistency de verage push gradient: verage site altitude: Iaterial weight: /eight description: ob Condition Correction	\$257.87 \$257.87 FITTES 57 50 51 52 52 53 54 55 55 55 55 55 55 55	k ripped or	on, Mining & Safety blasted 0.7 Source		

Visibili	ty: 1.000	(AVG.)
Job efficien	cy: 0.830	(1 SHIFT/DAY)
Spoil pi	ile: 0.800	(FND-RF)
Push gradie	nt: 1.000	(CAT HB)
Altitu	de: 1.000	(CAT HB)
Material Weig	ht: 0.902	(CAT HB)
Blade ty	pe: 1.000	(PAT)
Net correction	on: <u>0.3144</u>	
Adjusted unit production:	390.86 LCY/hr	
Adjusted fleet production:	390.86 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$0.660/LCY
Total job time	7 53 Hours

rotar job time:	7.55 nours	
Total job cost:	\$1,943.01	

BULLDOZER RIPPING WORK

	Task descriptio	n: <u>R</u> i	p Pit Floor			
Site	e: <u>H&HQua</u>	r ry #2	Permit Action:	2014 Inspection	A Permit/Job#	: M1998080
	PROJECT II	DENTIFICAT	<u>FION</u>			
	Task #:0	4A	State: Colorado		Abbreviation:	None
		/18/2014	County: Dolores	· · · · · · · · · · · · · · · · · · ·	Filename:	M080-04A
	User: <u>K</u>	CAP	<u></u>			
	Agenc	y or organization	on name: DRMS			
	HOURLY EC	QUIPMENT	COST			
	Basic	c Machine:	Cat D9T - 9SU		Horsepower:	405
	Ripper A	ttachment: 3	-Shank Ripper			per day
					Data Source:(CRG)
	Cost Breakdow	<u>n:</u>				
		o 11	0 / 11		Jtilization %	
		Ownership			<u>NA</u>	
	Ri	oper Operating	-	.96	100	
			Cost/Hour: \$37		NA	
		Total Unit				
		Total Fleet	Cost/Hour: \$26	5 84		
			~			
	MATERIAL	QUANTITIE	<u>S</u> Selo	ected estimating m	ethod: Area	
	Alternate Metho	ods:				
mic:	NA		Bank Volume:	NA	BCY	NA
Area:	2.30	acres	Rip Depth (ft):	2.00	Volume: 7,421	BCY or CC
		Source of es	timated quantity: 3 ac. p	it area minus back	filled highwall	
	HOURLY PR				<u>S</u>	
	<u> </u>					
	Seismic:		Seismic Velocity:	NA	feet/second	
			Seismic Velocity.	NA		
	Area:	A	na Dianian Dauth	2.62	ĩ	
			age Ripping Depth: age Ripping Width:	2.63 7.67	mph	
			ge Ripping Length:	100.00	degrees feet	
			erage Dozer Speed:	88.00	feet	
			ge Maneuver Time:	0.25	feet	
		Produ	ction per unit area:	0.762	acres/hour	
	Job Condition C	orrection Facto	rs			
	U	nadjusted Hour	ly Unit Production:	0.762	Acres/hr	
			Site Altitude:	6,800	feet	
			Altitude Adj:	1.00	(CAT HB)	
			Job Efficiency:	0.83	(1 shift/day)	
			Net Correction:	0.83	multiplier	
		Adjuste	d Hourly Unit Production:	0.63	Acres/hr	
			Hourly Fleet Production:	0.63	Acres/hr	
	JOB TIME A	ND COST				
	Fleet size:	1	Grader(s)	Total job time:	3.64	Hours
	-	* . * * * * *		-		
	Unit cost:	\$420.301	Per acre	Total job cost:	\$967.00	

H & H Quarry #2	Peri	nit Action:	2014 Inspection A	Permit/Job#:	M1998080
PROJECT IDENTIF	CATION				
Task #: 05A	State:	Colorado		Abbreviation:	None
Date: 3/18/2014	County:	Dolores		Filename:	M080-05A
User: KAP					
Agency or organ	ization name: DR	MS			
HOURLY EQUIPME	NT COST				
Basic Machine: Cat	D9T - 9SU				
Horsepower: 405		·····			
	ni-Universal				
· · ·	ank ripper				
	er day				
Data Source: (CR					
Cost Breakdown:			Utilization %		
Ownership Cost/Hour:	\$78.33		NA		
Operating Cost/Hour:	\$142.13		100		
Ripper op. Cost/Hour:	\$0.00		0		
Operator Cost/Hour:	\$37.41				
Operator Cost/Hour:	\$37.41		NA		
				· · · · · · · · ·	
Total unit Cost/Hour:	\$257.87				
Total unit Cost/Hour: Total Fleet Cost/Hour:	\$257.87 \$257.8 7				
	\$257.87 \$257.87				
Total Fleet Cost/Hour:	\$257.87				
Total Fleet Cost/Hour:	\$257.87 ITIES				
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume:3,090	\$257.87 <u>ITIES</u>				
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 3,090 Swell factor: 1.125	\$257.87 <u>ITIES</u>				
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 3,090 Swell factor: 1.125	\$257.87 <u>ITIES</u>				
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 3,090 Swell factor: 1.125 Loose volume: 3,476	\$257.87 ITIES) 5 LCY		on Mining & Safety		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 3,090 Swell factor: 1.125 Loose volume: 3,476 Source of estimated volume	\$257.87 ITIES 5 5 5 5 6 LCY ae:Division of 1 1 1 1 1 1 1 1 1 1 1 1 1		on, Mining & Safety		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 3,090 Swell factor: 1.125 Loose volume: 3,476	\$257.87 ITIES 5 5 5 5 5 1 1 5 5 5 5 5 5 5 5 5 5 5 5 5		on, Mining & Safety		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 3,090 Swell factor: 1.125 Loose volume: 3,476 Source of estimated volum Source of estimated swell	\$257.87 ITIES 5 5 LCY ne: Division of factor: Cat Handl		on, Mining & Safety		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 3,090 Swell factor: 1.125 Loose volume: 3,476 Source of estimated volun Source of estimated swell HOURLY PRODUCT	\$257.87 ITIES 5 5 5 LCY ne: Division of factor: Cat Handl TION		on, Mining & Safety		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 3,090 Swell factor: 1.125 Loose volume: 3,476 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance:	\$257.87 ITIES 5 5 5 5 5 5 5 5 5 5 5 5 5	book	on, Mining & Safety		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 3,090 Swell factor: 1.125 Loose volume: 3,476 Source of estimated volun Source of estimated swell HOURLY PRODUCT	\$257.87 ITIES 5 5 5 5 5 5 5 5 5 5 5 5 5	book	on, Mining & Safety		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 3,090 Swell factor: 1.125 Loose volume: 3,476 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance:	\$257.87 ITIES 0 5 6 6 7 6 7 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 8 7 8 8 7 8 7 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 <td< td=""><td>book</td><td></td><td></td><td></td></td<>	book			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 3,090 Swell factor: 1.125 Loose volume: 3,470 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Jnadjusted hourly product Materials consistency desc	\$257.87 ITIES 5 5 5 5 5 5 5 5 5 5 5 5 5	book (/hr			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 3,090 Swell factor: 1.125 Loose volume: 3,476 Source of estimated volume 3,476 Source of estimated swell 3,476 HOURLY PRODUCT Average push distance: Inadjusted hourly product Materials consistency descource Verage push gradient: 1.125	\$257.87 ITIES 0 5 5 6 LCY 100 feet factor: 100 feet 1,243.2 LCY cription: 0 %	book (/hr			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 3,090 Swell factor: 1.125 Loose volume: 3,470 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Jnadjusted hourly product Materials consistency desc	\$257.87 ITIES 5 5 5 5 5 5 5 5 5 5 5 5 5	book (/hr			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 3,090 Swell factor: 1.125 Loose volume: 3,476 Source of estimated volume 3,476 Source of estimated swell 3,476 HOURLY PRODUCT Average push distance: Inadjusted hourly product Materials consistency descource Verage push gradient: 1.125	\$257.87 ITIES 0 5 5 6 LCY 100 feet factor: 100 feet 1,243.2 LCY cription: 0 %	book (/hr			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 3,090 Swell factor: 1.125 Loose volume: 3,470 Source of estimated volum Source of estimated swell HOURLY PRODUCT Verage push distance: Inadjusted hourly product Atterials consistency desc Average push gradient: Verage site altitude:	\$257.87 ITIES 0 5 6 LCY ne: 100 feet factor: 100 feet tion: 1,243.2 LCY cription: 0 % 6,800 feet	book //hr dated stockr			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 3,090 Swell factor: 1.125 Loose volume: 3,470 Source of estimated volum Cource of estimated swell HOURLY PRODUCT Average push distance: Inadjusted hourly product Atterials consistency desc Average push gradient: Average site altitude: Atterial weight: Veight description:	\$257.87 ITIES 5 5 5 5 5 5 5 5 5 5 5 5 5	book //hr dated stockr			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 3,090 Swell factor: 1.125 Loose volume: 3,476 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Inadjusted hourly product Aterials consistency desc Average site altitude: Average site altitude: Veight description: ob Condition Correction	\$257.87 ITIES 5 5 6 LCY ne: Division c factor: Cat Handl IOO feet tion: 1,243.2 LCY cription: 0 % 6,800 feet 2,550 lbs/LCY Earth - Dry packed Factor	book //hr dated stockr	bile 1.0		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 3,090 Swell factor: 1.125 Loose volume: 3,470 Source of estimated volum Cource of estimated swell HOURLY PRODUCT Average push distance: Inadjusted hourly product Atterials consistency desc Average push gradient: Average site altitude: Atterial weight: Veight description:	\$257.87 ITIES 5 5 6 7 6 7 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 8 7 7 8 7 7 7 7 7 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 <td< td=""><td>book //hr dated stockr</td><td></td><td></td><td></td></td<>	book //hr dated stockr			

Visibility:	1.000	(AVG.)	
Job efficiency:	0.830	(1 SHIFT/DAY)	
Spoil pile:	1.000	(DOZ-OC)	
Push gradient:	1.000	(CAT HB)	
Altitude:	1.000	(CAT HB)	
Material Weight:	0.902	(CAT HB)	
Blade type:	1.000	(PAT)	
Net correction:	0.6176		

Adjusted fleet production: 767.8 LCY/hr

Fleet size:	1 Dozer(s)	
Unit cost:	\$0.336/LCY	

Total job time:	4.53 Hours
Total job cost:	\$1,167.52

REVEGETATION WORK

Task descri									
<u>H&H(</u>	H & H Quarry #2Permit Action: 2014 Inspection APermit					Permit/Job#	: <u>M1998080</u>		
<u>PROJEC</u>	T IDENTIFIC	CATION							
Task #:	06A		State:	Color				Abbreviation:	None
Date: User:	3/18/2014 KAP	(County:	Dolor	es	·····	*****	Filename:	M080-06A
A	gency or organiz	zation nam	ne: <u>DR</u>	MS		*****			
FERTILI	<u>ZING</u>								
Materials									
					Units /		0	-1 / TT 1/	0.01
Descripti	on				Acre	Unit		st / Unit	Cost /Acre
							\$		\$
							То	tal Fertilizer Materials	
								Cost/Acre	\$0.00
Application	n								
repireduoi	1								
Descripti									Cost /Acre
					Tota	l Fertilizer	Applicatio	on Cost/Acre	Cost /Acre \$ \$0.00
Descripti TILLING Descripti	on				Tota	l Fertilizer	Applicatio	on Cost/Acre	\$ \$0.00 Cost /Acre
Descripti TILLING Descripti	on				Tota	l Fertilizer	Applicatio	on Cost/Acre	\$ \$0.00
Descripti TILLING Descripti	on				Tota			on Cost/Acre	\$ \$0.00 Cost /Acre
Descripti TILLING Descripti	on on wing {DMG}				Tota				\$ \$0.00 Cost /Acre \$88.58
Descripti TILLING Descripti Chisel plo	on on owing {DMG}				Tota		Total Tillin Rate – PLS LBS /		\$ \$0.00 Cost /Acre \$88.58
Descripti	on on owing {DMG}				Tota		Total Tillin Rate – PLS	ng Cost/Acre Seeds per SQ.	\$ \$0.00 Cost /Acre \$88.58 \$88.58
Descripti <u>TILLING</u> <u>Descripti</u> Chisel plo <u>SEEDING</u> <u>Seed Mix</u> Indian Ric Sand Drop	on on owing {DMG}				Tota		Total Tillin Rate – PLS LBS / Acre 4.00 1.00	ng Cost/Acre Seeds per SQ. FT 12.95 119.38	\$ \$0.00 Cost /Acre \$88.58 \$88.58 Cost /Acre \$34.84 \$6.98
Descripti	on on owing {DMG}				Tota		Total Tillin Rate – PLS LBS / Acre 4.00	ng Cost/Acre Seeds per SQ. FT 12.95	\$ \$0.00 Cost /Acre \$88.58 \$88.58 Cost /Acre \$34.84

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

Total Seed Application Cost/Acre \$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
	Total Mulch Application Cost/Acre	\$65.89

NURSERY STOCK PLANTING

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

	No. of Acres:	3.22	C	Cost /Acre:	\$817.00
Estimat	ed Failure Rate:	30%	Co	ost /Acre*:	\$817.00
*Selected Replanti	ng Work Items:	TILLING,SEEI	DING,MULCHING		
Initial Job Cost:	\$2,630.74				
Reseeding Job Cost:	\$789.22				
Total Job Cost:	\$3,419.96				
Job Hours:	5.00				

EQUIPMENT MOBILIZATION/DEMOBILIZATION

: <u>H & H Quarry</u>	#2	Permit /	Action: 2014 In	nspection	A Pe	ermit/Job#:	M199	8080
PROJECT IDE	NTIFICAT	ION						
Task #: 07A		State: Co	olorado		Abbr	reviation:	None	
	/2014		olores			ilename:	M080-	-07A
User: KAF	2	· · · · · · · · · · · · · · · · · · ·						
Agency of	or organization	n name:DRMS					·····	
EQUIPMENT 7	FRANSPOR	<u>RT RIG COST</u>						
					Shift ba	asis:	1 per day	/
					Cost Data Sou	irce: C	CRG Dat	a
Truck	Tractor Desc	ription GEN	ERIC ON-HIGH	WAV TD		א גע <i>ו</i> ד	NEGEL	DOWEDED
11004	. Hactor Dese				2ND HALF,		JESEL	FUWERED,
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i ruci	C Trailer Decc	mintion GENE	'RIC FOI DING	GOOSEN	FCK DROPT	VEUK EUI	TIDMEN	IT TO ALL DO
Iruci	k Trailer Desc	ription: GENE	RIC FOLDING				UIPMEN	IT TRAILER
	k Trailer Desc	ription: GENE	RIC FOLDING		ECK, DROP I , 50T, AND 10		UIPMEN	IT TRAILER
	k Trailer Desc	ription: GENE	RIC FOLDING				UIPMEN	T TRAILER
Cost Breakdown:		0-25 Tons	RIC FOLDING	(251			UIPMEN	VT TRAILER
Cost Breakdown:	pacities	-		(251	, 50T, AND 10		UIPMEN	UT TRAILER
<u>Cost Breakdown:</u> Available Rig Caj Ownership	pacities	0-25 Tons	26-50 Tons	(25T 51 \$	+ Tons		UIPMEN	UT TRAILER
Cost Breakdown: Available Rig Caj Ownership Operating	pacities Cost/Hour:	0-25 Tons \$16.63	26-50 Tons \$18.37	(25T 51 \$	+ Tons 22.33		UIPMEN	JT TRAILER
<u>Cost Breakdown:</u> Available Rig Caj Ownership Operating Operator	pacities Cost/Hour: Cost/Hour:	0-25 Tons \$16.63 \$44.38	26-50 Tons \$18.37 \$46.13	(25T) 51 \$ \$ \$ \$	+ Tons 22.33 50.07		UIPMEN	JT TRAILER
Cost Breakdown: Available Rig Caj Ownership Operating Operator Helper	pacities Cost/Hour: Cost/Hour: Cost/Hour:	0-25 Tons \$16.63 \$44.38 \$27.66	26-50 Tons \$18.37 \$46.13 \$27.66	(25T 51 \$ \$ \$ \$ \$ \$	+ Tons 22.33 50.07 27.66		UIPMEN	JT TRAILER
Cost Breakdown: Available Rig Caj Ownership Operating Operator Helper	pacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour:	0-25 Tons \$16.63 \$44.38 \$27.66 \$0.00	26-50 Tons \$18.37 \$46.13 \$27.66 \$25.39	(25T 51 \$ \$ \$ \$ \$ \$	+ Tons 22.33 50.07 27.66 25.39		UIPMEN	JT TRAILER
Cost Breakdown: Available Rig Caj Ownership Operating Operator Helper Total Unit	pacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour:	0-25 Tons \$16.63 \$44.38 \$27.66 \$0.00 \$88.67	26-50 Tons \$18.37 \$46.13 \$27.66 \$25.39	(25T 51 \$ \$ \$ \$ \$ \$	+ Tons 22.33 50.07 27.66 25.39		UIPMEN	UT TRAILER
Cost Breakdown: Available Rig Caj Ownership Operating Operator Helper Total Unit NON ROADAB	pacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIP1	0-25 Tons \$16.63 \$44.38 \$27.66 \$0.00 \$88.67 MENT:	26-50 Tons \$18.37 \$46.13 \$27.66 \$25.39 \$117.55	(251 51 \$ \$ \$ \$ \$ \$	+ Tons 22.33 50.07 27.66 25.39 25.45)OT)		
Cost Breakdown: Available Rig Caj Ownership Operating Operator Helper Total Unit NON ROADAB Machine	pacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIPI Weight/	0-25 Tons \$16.63 \$44.38 \$27.66 \$0.00 \$88.67 MENT: Owner ship	26-50 Tons \$18.37 \$46.13 \$27.66 \$25.39 \$117.55 Haul Rig	(251 51 \$ \$ \$ \$ \$ \$ \$ Fleet	+ Tons 22.33 50.07 27.66 25.39 25.45 Haul Trip)0T)	Ггір	DOT Permi
Cost Breakdown: Available Rig Caj Ownership Operating Operator Helper Total Unit NON ROADAB Machine	pacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIP! Weight/ Unit	0-25 Tons \$16.63 \$44.38 \$27.66 \$0.00 \$88.67 MENT:	26-50 Tons \$18.37 \$46.13 \$27.66 \$25.39 \$117.55	(251 51 \$ \$ \$ \$ \$ \$	+ Tons 22.33 50.07 27.66 25.39 25.45 Haul Trip Cost/hr/)OT)	Ггір	
Cost Breakdown: Available Rig Caj Ownership Operating Operator Helper Total Unit NON ROADAB Machine Description	pacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIP Weight/ Unit (TONS)	0-25 Tons \$16.63 \$44.38 \$27.66 \$0.00 \$88.67 MENT: Owner ship Cost/hr/ unit	26-50 Tons \$18.37 \$46.13 \$27.66 \$25.39 \$117.55 Haul Rig Cost/hr/unit	(251 51 \$ \$ \$ \$ \$ \$ \$ Fleet Size	+ Tons 22.33 50.07 27.66 25.39 25.45 Haul Trip Cost/hr/ fleet)0T) Return 1 Cost/hr/	Ггір	DOT Permi Cost/ fleet
Cost Breakdown: Available Rig Caj Ownership Operating Operator Helper Total Unit NON ROADAB Machine Description Cat D9T - 9SU	pacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIP! Weight/ Unit	0-25 Tons \$16.63 \$44.38 \$27.66 \$0.00 \$88.67 MENT: Owner ship Cost/hr/ unit \$78.33	26-50 Tons \$18.37 \$46.13 \$27.66 \$25.39 \$117.55 Haul Rig Cost/hr/unit \$125.45	(251 51 \$ \$ \$ \$ \$ \$ \$ Fleet	+ Tons 22.33 50.07 27.66 25.39 25.45 Haul Trip Cost/hr/ fleet \$203.78	NOT) Return T Cost/hr/ \$125.45	Ггір	DOT Permi Cost/ fleet \$0.00
Cost Breakdown: Available Rig Caj Ownership Operating Operator Helper Total Unit NON ROADAB Machine Description Cat D9T - 9SU Drill/Broadcast	pacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIP Weight/ Unit (TONS) 66.13	0-25 Tons \$16.63 \$44.38 \$27.66 \$0.00 \$88.67 MENT: Owner ship Cost/hr/ unit	26-50 Tons \$18.37 \$46.13 \$27.66 \$25.39 \$117.55 Haul Rig Cost/hr/unit	(251 51 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	+ Tons 22.33 50.07 27.66 25.39 25.45 Haul Trip Cost/hr/ fleet)0T) Return 1 Cost/hr/	Ггір	DOT Permi Cost/ fleet
Cost Breakdown: Available Rig Caj Ownership Operating Operator Helper Total Unit	pacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: LE EQUIP Weight/ Unit (TONS) 66.13	0-25 Tons \$16.63 \$44.38 \$27.66 \$0.00 \$88.67 MENT: Owner ship Cost/hr/ unit \$78.33	26-50 Tons \$18.37 \$46.13 \$27.66 \$25.39 \$117.55 Haul Rig Cost/hr/unit \$125.45 \$88.67	(251 51 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	+ Tons 22.33 50.07 27.66 25.39 25.45 Haul Trip Cost/hr/ fleet \$203.78	NOT) Return T Cost/hr/ \$125.45	Гrip fleet	DOT Permi Cost/ fleet \$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:	DOVE CREEK	
Total one-way travel distance:	8.00	miles
Average Travel Speed:	25.00	mph
Total Non-Roadable Mob/Demob Cost *	\$1,013.62	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$9.82	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.32	0.32
Return Time (Hours):	0.32	0.32
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.64	0.64

JOB TIME AND COST

Total job time: 3.28 Hours

Total job cost: \$1,023.44

HYDRAULIC EXCAVATOR WORK

: H & H Quarry #2 PROJECT IDENTIFI Task #: 08A Date: 3/21/2014 User: KAP Agency or organ HOURLY EQUIPME Basic Machine: Attachment 1: Cost Breakdown: Ownership Cost/H	Sta Cour	ate: nty: DRM	Colorado Dolores IS	2014 Inspectior	n A	Permit/Job# Abbreviation: Filename:	: M1998080 None M080-08A
Task #: 08A Date: 3/21/2014 User: KAP Agency or organ HOURLY EQUIPME Basic Machine: Attachment 1: Cost Breakdown:	Sta Cour vization name: <u>NT COST</u> Cat 312D 9'-2	nty:	Dolores IS				
Date: 3/21/2014 User: KAP Agency or organ HOURLY EQUIPME Basic Machine: Attachment 1:	Cour vization name: <u>NT COST</u> Cat 312D 9'-2	nty:	Dolores IS				······································
HOURLY EQUIPME Basic Machine: Attachment 1:	<u>NT COST</u> Cat 312D 9'-2						
Basic Machine:	Cat 312D 9'-2	" Stick					
Attachment 1:		" Stick					
					Horsepc Weight (I Shift B Data So	MT):1 Basis:1	90 13.48 per day CRG)
Ownership Cost/F			1				
Operating Cost/H Operator Cost/H Total Unit Cost/H	lour:	\$19.33 \$28.32 \$33.94 \$81.60		Utilization % NA 100 NA			
Total Fleet Cost/I	Hour:	\$81.60					
Loose volume: <u>1,</u> Source o	109 481 f estimated volu imated swell fac <u>TON</u>		CCY LCY Division Cat Hand	Swell fact of Reclamation, I lbook		Safety	
Excavator Cycle Time (los	ad bucket, swin	<u>g loade</u>	d, dump b	ucket, swing emp	pty):		
	Secondary Jo			ondition Descript	tion: A	VERAGE VERAGE	
Load Bucket Capacity				Cycle Time Va	ilue:	.256	minutes
					Bucket	Size Class:	edium
Rated Capacity: Bucket Fill Factor: Adjusted Capacity:	0.825		LCY (hea Blasted ro LCY	aped) ock - avg. blasted	(75 - 90)%) 0.825	
Job Condition Correction	Factors			Site	Altitude:	: <u>6800</u> feet	
	1.00 0.83 0.83 ljusted Hourly U ljusted Hourly U justed Hourly F	 Jnit Pro Jnit Pro	oduction:	3) Iy)	LCY/ LCY/ LCY/	/Hour	
Ad	т						
		wator	Тс	otal job time:		13.57	Hours