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

May 30, 2012

Christy Woodward Denison Mines (USA) Corp. 1050 17th Street, Suite 950 Denver, CO 80265

Re: West Sunday Mine, Permit No. M-1981-021, Amendment AM-1, Approval of Environmental Protection Plan, and Notice of Financial Warranty Increase.

Dear Ms. Woodward,

On May 21, 2012 the Division of Reclamation, Mining and Safety approved Amendment AM-1 to the West Sunday Mine 112d-3 permit, which incorporates the Environmental Protection Plan (EPP) into the permit, as required by Hard Rock/Metal Rule 6.4.21.

The EPP includes requirements for the installation of a PVC ore pad liner. The construction of the ore pad liner must be completed prior to re-commencing any mining activity. The West Sunday Mine permit is currently in a status of Temporary Cessation, as approved under Revision TC-2, approved on June 30, 2010. Please be aware that prior to initiating the construction of the ore pad liner, you must inform the Division of the intent to place the permit into Active status, and the date of such change.

As part of the approval to incorporate these significant changes into this permit under Amendment AM-3, the amount of financial warranty (bond) was reviewed. The existing amount of financial warranty is \$74,892. The Division's review of the reclamation costs reveals that the current bond amount is insufficient. The updated reclamation costs were estimated to be \$86,155. This is a shortage of \$11,263. The updated reclamation costs are shown in the enclosed packet. Please note that the costs are the same as the preliminary figures mailed to you previously, with the exception of an additional cost for installation of atmospheric bulkheads underground.

Please consider this letter to be your Notice of Financial Warranty increase. The additional amount must be provided to the Division, in an approvable format, within 60 days from the date of this letter. The present bond is in the form of a corporate surety, whose amount may be modified by providing a rider to the surety. Please direct all questions or submittals pertaining to the bond to Ms. Barbara Coria in the Division's Denver Office (see address in letterhead, above). You may reach her by phone at 303-866-3567 ext 8148.

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Christy Woodward/M-1981-021 May 30, 2012 Page 2

The Tres Rios Field Office of the Bureau of Land Management (BLM), in Dolores, is currently completing its process of updating the plan of operations for this mine. In accordance with the MOU between the Division and the BLM, the two agencies have coordinated on the updated permit plans, and the BLM has had opportunity to review the Division's updated reclamation cost estimate. The BLM will inform the Division as to whether it accepts the current estimate, and subsequent adjustment to the bond amount may be made if necessary.

The Division appreciates the diligence and cooperation shown by Denison throughout this amendment process. If you have questions, please contact me at the Division's Durango Field Office: 691 CR 233, Room A-2, Durango, CO 81301; telephone 970-247-5193.

Sincerely,

Bob Oswald Environmental Protection Specialist

Encl: Bond estimate packet

Ec: Steve Shuey, DRMS, Grand Junction Barbara Coria, DRMS, Denver James Blair, BLM, Tres Rios Field Office, Dolores

(c:\12-05 docs\West Sunday AM-1 Appr/rco)

COST SUMMARY WORK

Task description:		Cost summary (I				
Site: West Sunday		Permit Action: AM-1		Permit/Job#:	M1981021	
PROJECT	<u>IDENTIFI</u>	<u>CATION</u>				
Task #:	000	State:	Colorado		Abbreviation:	None
Date:	3/13/2012	County:	San Migue	1	Filename:	M021-000
User:	RCO				2.1	
Ag	ency or organ	ization name: DR	MS			

TASK LIST (DIRECT COSTS)

Task	Description	Form	Fleet	Task Hours	Cost
001	Description Demolition of onsite structures, and disposal	Used DEMOLISH	Size	48.00	\$24,006.07
001	Seal vent shafts and air holes	MINESEAL		48.00	\$18,403.85
		LOADER			· ·
003	Remove and backfill ore pad liner and gravel			2.58	\$253.00
004	Portal closure	MINESEAL		20.00	\$1,078.21
005	Grade dumps slopes, pad and portal areas	DOZER		15.06	\$3,906.98
006	Rip pad area of dump	RIPPER	1	3.47	\$927.00
007	Grade vent shaft and air hole areas	DOZER	1	3.88	\$1,007.33
008	Carry topsoil to be spread on pad	LOADER] 1	6.83	\$669.00
009	Spread topsoil on pad	DOZER] 1	1.27	\$330.43
010	Rip road areas	RIPPER] 1	1.53	\$408.00
011	Revegetate all disturbed areas	REVEGE	1	30.00	\$8,392.67
012	Haul reclamation equipment to and from site	MOBILIZE	1	8.00	\$4,859.68
013	Install atmospheric bulkheads underground	MINESEAL	1	32.00	\$3,000.00
		<u>SUBTO</u>	DTALS:	220.62	\$ \$67,242.22

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: Performance bond: Job superintendent: Profit:	2.02 1.05 40.00 10.00		Total = Total = Total = Total =	\$1,358.29 \$706.04 \$2,372.00 \$6,724.22
	CON		TOTAL O & P = $(direct + O \& P) =$	\$11,160.55 \$78,402.77
LEGAL - ENGINEERING - PR				φ/0,τ02.//
Financial warranty process Engineering work and/or	sing (legal/related costs):	500.00 4.25 5.00	Total = Total =	500.00 \$3,332.12 \$3,920.14
C	CONTINGENCY:	0.00	Total =	\$0.00
		TOTAL I	NDIRECT COST =	\$18,912.81
	\$86,155.03			

DEMOLITION WORK

-	Task description:	Demolition of onsite structures, and disposal		
Site:	West Sunday	Permit Action: <u>AM-1</u>	Permit/.	Job#:
<u>PROJE</u>	<u>CT IDENTIFICATI</u>	ON		
Task #:		State: Colorado	Abbreviation:	None
Date: User:		County: San Miguel	Filename:	M021-001
	Agency or organ	- ization name: DRMS		

UNIT COSTS

Location adjustment: 96.90 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Shop/office/dry bldg.	60x30x15	Bldg. (SN) demo./on- site disposal in existing pit or cut - Max. 50 ft. push	27,000.00	CF	\$0.15	\$4,104.00
Shop/office/dry bldg. concrete slab	60x30	Demo. and on-site disposal in existing pit, 4 in. thick - Max. 200 ft. push	1,800.00	SF	\$1.05	\$1,890.00
Shop/office/dry bldg. conc. apron	15x15	Demo. and on-site disposal in existing pit, 4 in. thick - Max. 200 ft. push	225.00	SF	\$1.05	\$236.25
Compressor bldg. (at mine)	20x20x10	Bldg. (SN) demo./on- site disposal in existing pit or cut - Max. 50 ft. push	4,000.00	CF	\$0.15	\$608.00
Comp. bldg (at mine) concrete slab	20x20	Demo. and on-site disposal in existing pit, 6 in. thick - Max. 50 ft. push	400.00	SF	\$1.56	\$624.00
Concrete slab at WS shafts	18x23	Demo. and on-site disposal in existing pit, 6 in. thick - Max. 50 ft. push	414.00	SF	\$1.56	\$645.84
Concrete slab at SJ shaft	30x20	Demo. and on-site disposal in existing pit, 6 in. thick - Max. 50 ft. push	600.00	SF	\$1.56	\$936.00
Denison-owned powerlines	4800 LF	Powerline or telephone line, overhead, wood - Single pole	4,800.00	LF	\$2.60	\$12,470.40
Denison-owned non- PCB transfr.	20x20x48 in	Hazardous waste removal - Drum solids/liquids, per drum, (7+ drum job)	10.00	DRUM	\$315.79	\$3,157.90
Misc debris, parts, fans, etc.	20x20x10 ft mass	Push demolished materials/rubble/debris into pit - Max. 200 ft. push	148.00	CY	\$0.69	\$101.68

				Total Cost	
		Subtotal		(adjusted for	
Job Hours:	48.00	(unadjusted):	\$24,774.07	location):	\$24,006.07

SAFEGUARDING UNDERGROUND OPENINGS

5	Fask description:	Seal vent shafts and air hol	.es		
Site:	West Sunday	Permit Action:	AM-1	Permit/.	Job#: <u>M198102</u> 1
PROJE	CT IDENTIFICATI	ION			
Task #: Date: User:	3/13/2012	State: <u>Colorado</u> County: <u>San Miguel</u>		Abbreviation: Filename:	None M021-002
	Agency or organ	- ization name: <u>DRMS</u>			

UNIT COSTS

Opening Description	Dimensions	Closure Method	Quantity	Unit	Unit Cost	Total Cost
Vent shaft WS-1	7 ft diam.	Shaft closure - precast concrete panel (per opening)	1.00	EA	\$3,457.27	\$3,457.27
Vent shaft WS-2	7 ft diam.	Shaft closure - precast concrete panel (per opening)	1.00	ËA	\$3,457.27	\$3,457.27
Vent shaft WS-3	7 ft diam.	Shaft closure - precast concrete panel (per opening)	1.00	EA	\$3,457.27	\$3,457.27
Vent shaft SJ-1	7 ft diam.	Shaft closure - precast concrete panel (per opening)	1.00	EA	\$3,457.27	\$3,457.27
Vent shaft (new, 540 ft SW of SJ-1)	7 ft diam.	Shaft closure - precast concrete panel (per opening)	1.00	EA	\$3,457.27	\$3,457.27
Air holes, near SJ-1	12 in diam.	Shaft closure - monolithic plug (per cu. yd.)	2.00	CY	\$223.50	\$447.00
Air holes, near WS vents	12 in diam.	Shaft closure - monolithic plug (per cu. yd.)	3.00	CY	\$223.50	\$670.50

Job Hours: _____ 48.00

Total Cost: \$18,403.85

WHEEL LOADER - LOAD AND CARRY WORK

Task description:	Remove and backfill ore pa	ad liner and gravel		<u>.</u>
West Sunday	Permit Action:	AM-1	Permit/Jo	b#: <u>M1981021</u>
PROJECT IDENTIFIC	ATION			
Task #: 003	State: Colorado)	Abbreviatio	n: None
Date: 3/13/2012	County: San Mig	uel	Filenam	
User: RCO				
Agency or organiz	ation name: DRMS			
HOURLY EQUIPMEN	<u>T COST</u>			
Basic Machine: C	AT 938H	Н	lorsepower:	172
	OPS Cab		Shift Basis:	1 per day
		D	ata Source:	(CRG)
Cost Breakdown:				
COUL AND WALKAN IT ALS		Utilization %		
Ownership Cost/Hou	ır: \$22.07	NA		
Operating Cost/Hou	ır: \$37.34	100		
Operator Cost/Hou	ır: \$38.49	NA		
Total Unit Cost/Hou	ır: \$97.90			
Total Fleet Cost/Ho	ur: \$97.90			
	ui. <u> </u>			
MATERIAL QUANTIT	<u>TES</u>			
Initial volume: 556	CCY	Swell factor	1.060	
Loose volume:	589 LCY			
Source of e	stimated volume: Divisior	of Reclamation, Mi	ning & Safety	
	ated swell factor: Cat Han		ing & Salety	· · · ·
HOURLY PRODUCTIO	DN			
Loader Cycle Time:	Unadjusted Basic Cycle Time	e (load, dump, maneu	ver):0.483	minutes
Cycle Time Factors			Factor (min.)	Source
Material:	Material 3/4" to 6" diameter		0.000	(Cat HB)
Stockpile:	No adjustment - factor not		0.000	(Cat HB)
Truck Ownership:	No adjustment - factor not	applicable 0.00	0.000	(Cat HB)
Operation:	Constant operation -0.04		-0.040	(Cat HB)
Dump Target:	No adjustment - factor not		0.000	(Cat HB)
		cle Time Adjustmen		minutes
	Adjus	ted Basic Cycle Time	e:0.443	minutes
Rolling Resistance Road C	onditions			
Haul:	Rutted dirt, little maintenance	e no water 1" tire pe	netration 4.0	
	Loose sand or gravel 10	<u>, no water</u> , i the pe		
	Loose share of graver in			

Haul and Return Time

	Length (feet)	Grade Res. (%)	Rolling Res. (%)	Total Res. (%)	Travel Time (minutes)	Source
Haul Route:	200	0.00	4.00	4.00	0.1651	(Cat HB)
Return Route:	200	0.00	10.00	10.00	0.2237	(Cat HB)

		Total Travel Total Cycle		minutes
Load Bucket Capacity				
Rated Capacit Bucket Fill Facto Adjusted Capacit	or: 0.975	LCY (heaped) Sand and gravel (95% - LCY	100%) 0.975	
<u>Job Condition Correction</u> Site Altitude: <u>5800</u> feet	n Factors			
A	1.00 0.83 0.83 adjusted Hourly Unit I Adjusted Hourly Unit I Adjusted Hourly Fleet I	Production: 227.79	LCY/Hour LCY/Hour LCY/Hour	
JOB TIME AND CO	<u>ost</u>			
Fleet size:	1 Loader(s)	Total job time	2.59	Hours
Unit cost:\$0.	.430 /LCY	Total job cos	t: \$253.00	

SAFEGUARDING UNDERGROUND OPENINGS

Task descriptio	n: Porta	l closure						
Site: <u>West Sunday</u>	Site: West Sunday Permit Action: AM-1				Permit/Job#: M1981021			
PROJECT IDENTI	ICATION							
Task #: 004 Date: 3/13/2012 User: RCO	Co	State: Colorado ounty: San Miguel		Abbreviat Filena		e 11-004		
UNIT COSTS	or organization nar	ne: <u>DRMS</u>						
Opening Description	Dimensions	Closure Method	Quantity	Unit	Unit Cost	Total Cost		
Place demo debris in adit	10x10	Adit closure - backfilling (per cu. yd.)	400.00	CY	\$2.1 1	\$844.00		
Place earthen backfill in	10x10	Adit closure - backfilling	111.00	CY	\$2.11	\$234.21		

Job Hours: 20.00

adit, 30 ft

Total Cost: \$1,078.21

Note: Placement of concrete demolition debris and earthen backfill is by underground loader. Final slope recontouring is by dozer, and is included in separate task.

(per cu. yd.)

BULLDOZER WORK

West Sunday	Permit Action:	AM 1	Permit/Job#:	M1001001
west Sunday	Fermit Action:	Alvi-1	Permit/Job#:	N11981021
PROJECT IDENTIF	ICATION			
Task #: 005	State: Colorado		Abbreviation:	None
Date: 3/13/2012	County: San Migu	el	Filename:	M021-005
User: RCO				
Agency or orga	nization name: DRMS			
HOURLY EQUIPME	UNT COST			
	: D9T - 9SU			
Horsepower: 405		_		
L	ni-Universal			
· · · · · · · · · · · · · · · · · · ·	hank ripper	_		
	er day			
-	RG)			
<u>Cost Breakdown</u> :		1		
		Utilization %		
Ownership Cost/Hour:	\$80.19	NA		
Operating Cost/Hour:	\$140.68	100		
Ripper op. Cost/Hour:	\$0.00	0		
Operator Cost/Hour:	\$38.49	NA		
	\$250.25			
Total unit Cost/Hour:	\$259.35			
Total Fleet Cost/Hour:	\$259.35 \$259.35			
Total Fleet Cost/Hour:	\$259.35			
Fotal Fleet Cost/Hour:	\$259.35 <u>ITIES</u>			
Fotal Fleet Cost/Hour: <u>IATERIAL OUANT</u> Initial Volume: <u>4,80</u>	\$259.35 <u>ITIES</u> 0			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,80 Swell factor: 1.21	\$259.35 TTIES 0 5			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,80 Swell factor: 1.21	\$259.35 <u>ITIES</u> 0			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,80 Swell factor: 1.21	\$259.35 TTIES 0 5 2 LCY	on, Mining & Safety		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,80 Swell factor: 1.21 Loose volume: 5,83	\$259.35 TTIES 0 5 2 LCY me: Division of Reclamati	ion, Mining & Safety		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,80 Swell factor: 1.21 Loose volume: 5,83 Source of estimated volume	\$259.35 TTIES 0 5 2 LCY me: Division of Reclamati	on, Mining & Safety		
Fotal Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,80 Swell factor: 1,21 Loose volume: 5,83 Source of estimated volume Source of estimated swell	\$259.35 ITIES 0 5 2 LCY me: Division of Reclamati factor: Cat Handbook	ion, Mining & Safety		
Fotal Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,80 Swell factor: 1.21 Loose volume: 5,83 Source of estimated volum Gource of estimated swell HOURLY PRODUCT	\$259.35 TTIES 0 5 2 LCY me: Division of Reclamati 1 factor: Cat Handbook FION	ion, Mining & Safety		
Total Fleet Cost/Hour: Initial Volume: 4,80 Swell factor: 1.21 Loose volume: 5,83 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance:	\$259.35 1TIES 0 5 2 LCY me: Division of Reclamati 1 factor: Cat Handbook TION 150 feet	ion, Mining & Safety		
Fotal Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,80 Swell factor: 1.21 Loose volume: 5,83 Source of estimated volum Source of estimated swell HOURLY PRODUCT	\$259.35 1TIES 0 5 2 LCY me: Division of Reclamatic 1 factor: Cat Handbook FION 150 feet	ion, Mining & Safety		
Total Fleet Cost/Hour: Initial Volume: 4,80 Swell factor: 1.21 Loose volume: 5,83 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance:	\$259.35 TTHES 0 5 2 LCY ne: Division of Reclamati 1 factor: Cat Handbook TION 150 feet ction: 910.5 LCY/hr			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,80 Swell factor: 1.21 Loose volume: 5,83 Source of estimated volume 5,83 Source of estimated volume 5,83 Source of estimated swell 4000000000000000000000000000000000000	\$259.35 ITHES 0 5 2 LCY ne: Division of Reclamati 1 factor: Cat Handbook FION ction: 150 feet 910.5 LCY/hr cription: Consolidated stocky			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,80 Swell factor: 1.21 Loose volume: 5,83 Source of estimated volume 5,83 Source of estimated swell Source of estimated swell HOURLY PRODUCT Average push distance: Inadjusted hourly product Materials consistency destance: Average push gradient: Source destance	\$259.35 ITHES 0 5 2 LCY me: Division of Reclamati factor: Cat Handbook FION ction: 910.5 LCY/hr ccription: Consolidated stocky -10 %			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,80 Swell factor: 1.21 Loose volume: 5,83 Source of estimated volume 5,83 Source of estimated volume 5,83 Source of estimated swell 4000000000000000000000000000000000000	\$259.35 ITHES 0 5 2 LCY ne: Division of Reclamati 1 factor: Cat Handbook FION ction: 150 feet 910.5 LCY/hr cription: Consolidated stocky			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,80 Swell factor: 1.21 Loose volume: 5,83 Source of estimated volum Gource of estimated swell HOURLY PRODUCT Average push distance: Jnadjusted hourly product Atterials consistency des Average push gradient: Average site altitude:	\$259.35 TTIES 0 5 2 LCY me: Division of Reclamation 1 factor: Cat Handbook FION ction: 910.5 LCY/hr cription: Consolidated stocky -10 % 5,800 feet			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,80 Swell factor: 1.21 Loose volume: 5,83 Source of estimated volume 5,83 Source of estimated swell Source of estimated swell HOURLY PRODUCT Average push distance: Inadjusted hourly product Materials consistency destance: Average push gradient: Source destance	\$259.35 ITHES 0 5 2 LCY me: Division of Reclamati factor: Cat Handbook FION ction: 910.5 LCY/hr ccription: Consolidated stocky -10 %			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,80 Swell factor: 1.21 Loose volume: 5,83 Source of estimated volum Gource of estimated swell HOURLY PRODUCT Average push distance: Jnadjusted hourly product Atterials consistency des Average push gradient: Average site altitude:	\$259.35 TTIES 0 5 2 LCY me: Division of Reclamation 1 factor: Cat Handbook FION ction: 910.5 LCY/hr cription: Consolidated stocky -10 % 5,800 feet	 pile 1.0		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,80 Swell factor: 1.21 Loose volume: 5,83 Source of estimated volume Gource of estimated volume Gource of estimated swell HOURLY PRODUCT Average push distance: Inadjusted hourly product Atterials consistency des Average push gradient: Average site altitude: Atterial weight: Veight description:	\$259.35 TTIES 0 5 2 LCY me: Division of Reclamation 1 factor: Cat Handbook TION ction: 910.5 LCY/hr cription: Consolidated stocky -10 % 5,800 feet 3,300 lbs/LCY Decomposed rock - 75% Rock	 pile 1.0		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,80 Swell factor: 1.21 Loose volume: 5,83 Source of estimated volume 5,83 Source of estimated volume 5,83 Source of estimated volume 5,83 Source of estimated swell 1000000000000000000000000000000000000	\$259.35 TTIES 0 5 2 LCY me: Division of Reclamati 1 factor: Cat Handbook TION ction: 910.5 LCY/hr cription: Consolidated stocky -10 % 5,800 feet 3,300 lbs/LCY Decomposed rock - 75% Rock Factor Factor	 pile 1.0 , 25% Earth Source		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,80 Swell factor: 1.21 Loose volume: 5,83 Source of estimated volume Gource of estimated volume Gource of estimated swell HOURLY PRODUCT Average push distance: Jnadjusted hourly product Atterials consistency des Average push gradient: Average site altitude: Atterial weight: Veight description:	\$259.35 TTIES 0 5 2 LCY me: Division of Reclamati 1 factor: Cat Handbook TION ction: 910.5 LCY/hr cription: Consolidated stocky -10 %	 pile 1.0		

ity: 🗌	1.000	(AVG.)
cy:	0.830	(1 SHIFT/DAY)
ile:	0.800	(FND-RF)
ent:	1.225	(CAT HB)
de:	1.000	(CAT HB)
;ht:	0.697	(CAT HB)
pe:	1.000	(PAT)
on: _	0.4252	
387	.14 LCY/hr	
207	1 A T (357 8	
	387	cy: 0.830 ile: 0.800 ent: 1.225 de: 1.000 tht: 0.697 pe: 1.000

JOB TIME AND COST

Fleet size:	1 Dozer(s)
Unit cost:	\$0.670/LCY
Total job time:	15.06 Hours
Total job cost:	\$3,906.98

Note: This earthwork task includes a small amount of pushing material against the slope around the backfilled portal, and the recontouring work there too. This does not include any earthwork at the remote vent shaft sites.

BULLDOZER RIPPING WORK

	Task descript	ion: Rip pad a	rea of dump			
Site:	West Sund	lay	Permit Action:	AM-1	Permit/Job#:	M1981021
1	PROJECT	IDENTIFICATION				
	Task #:	006	State: Colorado		Abbreviation:	None
	Date:	3/13/2012 C	ounty: San Migu	el	Filename:	M021-006
	User:	RCO	<u> </u>			
	Age	ncy or organization name	: DRMS	·····		
	HOURLY I	EQUIPMENT COST				
	Ba	sic Machine: Cat D9T	- 9SU		Horsepower:	405
	Ripper	Attachment: 3-Shank	Ripper		Shift Basis: 1 p	er day
					Data Source: (C	CRG)
	Cost Breakdo	wn:				
				τ	Itilization %	
		Ownership Cost/He		0.19	NA	
	_	Operating Cost/Ho		0.68	100	
	ł	Ripper Operating Cost/He		.17	100	
		Operator Cost/He		3.49	NA	
		Total Unit Cost/He		6.52		
		Total Fleet Cost/He	our: \$26	6.52		
]	MATERIA	<u>L QUANTITIES</u>	Sel	ected estimating m	ethod: Area	
4	Alternate Met	hods:				
ismic:	NA		Bank Volume:	NA	BCY	NA
Area:	2.50	acres	Rip Depth (ft):	1.00	Volume: 4,033	BCY or C
		Source of estimated	quantity AM 1			
		Source of estimated	quantity. <u>Alvi-1</u>	maps		<
]	HOURLY H	PRODUCTION				
9	Seismic:					
		Seism	ic Velocity:	NA	feet/second	
	Area:					
-		Average Rip	ping Depth:	2.63	mph	
		Average Rip		7.67	degrees	
		Average Ripp		300.00	feet	
		Average D	ozer Speed:	88.00	feet	
		Average Man		0.25	feet	
		Production p	er unit area:	0.866	acres/hour	
]	Job Condition	Correction Factors				
		Unadjusted Hourly Unit	Production:	0.866	Acres/hr	
		S	te Altitude:	5,800	feet	
			ltitude Adj:	1.00	(CAT HB)	
			Efficiency:	0.83	(1 shift/day)	
		Net	Correction:	0.83	multiplier	
		Adjusted Hour	y Unit Production:	0.72	Acres/hr	
		•	y Fleet Production:	0.72	Acres/hr	
	JOB TIME	AND COST				
-	Fleet size:		der(s)	Total job time:	3.48	Hours
	TTuesta ana sta			-		
	Unit cost:	\$370.719 Per	acre	Total job cost:	\$927.00	

BULLDOZER WORK

West Sunday	Permit Action:	AM-1	Permit/Job#:	M1981021
PROJECT IDENTIE	ICATION			
Task #: 007	State: Colorado		Abbreviation:	None
Date: 3/13/2012		e1	Filename:	M021-007
User: RCO				11021 007
	anization name: DRMS			
HOURLY EQUIPM	ENT COST			
Basic Machine: Ca	1t D9T - 9SU			
Horsepower: 40				
·····	mi-Universal			
**	shank ripper			
	ber day			
	RG)	—		
Cost Breakdown:				
Sout Diverted will.		Utilization %		
Ownership Cost/Hour:	\$80.19	NA		
Operating Cost/Hour:	\$140.68	100		
Ripper op. Cost/Hour:	\$0.00	0		
Operator Cost/Hour:	\$38.49	NA		
Total unit Cost/Hour:	\$259.35			
Total Fleet Cost/Hour:	\$259.35			
MATERIAL QUAN	<u>CITIES</u>			
Initial Volume: 2,20	00			
Swell factor: 1.12				
Loose volume: 2,47	75 LCY			
Source of estimated volu		on, Mining & Safety		
source of estimated swe	Tractor: Cat Handbook			
HOURLY PRODUC	<u>TION</u>			
HOURLY PRODUC	TION 60 feet			
	60 feet			
verage push distance:	60 feet action: 1,872.0 LCY/hr	mbankment 0.9		
Average push distance: Jnadjusted hourly produ Aaterials consistency de	60 feet action: 1,872.0 LCY/hr scription: Compacted fill or en	mbankment 0.9		
Average push distance: Jnadjusted hourly produ Materials consistency de Average push gradient:	60 feet action: 1,872.0 LCY/hr scription: Compacted fill or en 0 %	mbankment 0.9		
Average push distance: Jnadjusted hourly produ Aaterials consistency de	60 feet action: 1,872.0 LCY/hr scription: Compacted fill or en	mbankment 0.9		
Average push distance: Jnadjusted hourly produ Materials consistency de Average push gradient:	60 feet action: 1,872.0 LCY/hr scription: Compacted fill or en 0 %	mbankment 0.9		
Average push distance: Jnadjusted hourly produ Materials consistency de Average push gradient: Average site altitude:	60 feet action: 1,872.0 LCY/hr scription: Compacted fill or end 0 %			
Average push distance: Jnadjusted hourly produ Materials consistency de Average push gradient: Average site altitude: Material weight:	60 feet action: 1,872.0 LCY/hr scription: Compacted fill or end 0 %			
Average push distance: Jnadjusted hourly produ Materials consistency de Average push gradient: Average site altitude: Material weight: Veight description: <u>ob Condition Correction</u> Operator	60 feet action: 1,872.0 LCY/hr scription: Compacted fill or end 0 % 5,800 feet 2,650 lbs/LCY 2,650 lbs/LCY Decomposed rock - 25% Rock, 1 Factor Skill: 0.750	, 75% Earth		
Average push distance: Jnadjusted hourly produ Materials consistency de Average push gradient: Average site altitude: Material weight: Veight description: ob Condition Correction	60 feet action: 1,872.0 LCY/hr scription: Compacted fill or end 0 % 5,800 feet 2,650 lbs/LCY 2,650 lbs/LCY Decomposed rock - 25% Rock, 1 Factor Skill: 0.750	, 75% Earth Source		

Visibili	ty: 1.000	(AVG.)
Job efficience	cy: 0.830	(1 SHIFT/DAY)
Spoil pi	le: 0.700	(FND-MF)
Push gradie	nt: 1.000	(CAT HB)
Altitud	le: 1.000	(CAT HB)
Material Weig	ht: 0.868	(CAT HB)
Blade typ	be: 1.000	(PAT)
Net correction	on: 0.3404	
Adjusted unit production:	637.23 LCY/hr	
Adjusted fleet production:	637.23 LCY/hr	

JOB TIME AND COST

Fleet size:	1 Dozer(s)
Unit cost:	\$0.407/LCY

Total job time:	3.88 Hours	
Total job cost:	\$1,007.33	

WHEEL LOADER - LOAD AND CARRY WORK

Task description:	Carry topsoil to be spread	on pad		
West Sunday	Permit Action	AM-1	Permit/Job#:	M1981021
PROJECT IDENTIFICA	ATION			
Task #: 008	State: Colorado	h	Abbreviation:	None
Date: $3/13/2012$	County: San Mig		Filename:	M021-008
User: RCO				
Agency or organiza	tion name: DRMS			
HOURLY EQUIPMENT	<u>r cost</u>			
Basic Machine: CA	AT 938H	Horse	power:	172
	DPS Cab			er day
		Data S		CRG)
Cont Duraliday in			,	
Cost Breakdown:		Utilization %		
Ownership Cost/Hou	r: \$22.07	NA		
Operating Cost/Hou		100		
Operator Cost/Hou		NA		
Total Unit Cost/Hou				
Total Fleet Cost/Hou	ur: \$97.90	_		
MATERIAL QUANTIT	IES			
Initial volume: 1,000) CCY	Swell factor:	1.000	
Loose volume:	1,000 LCY	5 WOIT 140001.		
		n of Reclamation, Mining	& Safety	
Source of estimation	ated swell factor: Cat Har	ndbook		
HOURLY PRODUCTIO	<u>DN</u>			
Loader Cycle Time:	Jnadjusted Basic Cycle Tim	e (load. dump. maneuver)	: 0.483	minutes
	;	(, <u>-</u> -,,)		
			Factor (min.)	Source
Cycle Time Factors	Material 1/02 to 2/42 diam	0.03		(Cat HB)
Material:	Material 1/8" to 3/4" dian		-0.020	· · · · · · · · · · · · · · · · · · ·
Material: Stockpile:	No adjustment - factor no	t applicable 0.00	0.000	(Cat HB)
Material: Stockpile: Truck Ownership:	No adjustment - factor no No adjustment - factor no	t applicable 0.00	0.000	(Cat HB) (Cat HB)
Material: Stockpile: Truck Ownership: Operation:	No adjustment - factor no No adjustment - factor no Constant operation -0.04	t applicable 0.00 t applicable 0.00	0.000 0.000 -0.040	(Cat HB) (Cat HB) (Cat HB)
Material: Stockpile: Truck Ownership:	No adjustment - factor no No adjustment - factor no Constant operation -0.04 No adjustment - factor no	t applicable 0.00 t applicable 0.00 t applicable 0.00	0.000 0.000 -0.040 0.000	(Cat HB) (Cat HB) (Cat HB) (Cat HB)
Material: Stockpile: Truck Ownership: Operation:	No adjustment - factor no No adjustment - factor no Constant operation -0.04 No adjustment - factor no Net C	t applicable 0.00 t applicable 0.00	0.000 0.000 -0.040	(Cat HB) (Cat HB) (Cat HB)

Haul:Rutted dirt, little maintenance, no water, 1" tire penetration 4.0Return:Loose sand or gravel 10

Haul and Return Time

	Length (feet)	Grade Res. (%)	Rolling Res. (%)	Total Res. (%)	Travel Time (minutes)	Source
Haul Route:	500	0.00	4.00	4.00	0.4128	(Cat HB)
Return Route:	500	0.00	10.00	10.00	0.5593	(Cat HB)

		Total Travel Tin Total Cycle Tin		minutes minutes
Load Bucket Capacity				
Rated Capacity: Bucket Fill Factor: Adjusted Capacity:	1.050 M	CY (heaped) oist loam or sandy clay (1 CY	00% - 110%) 1.050	<u>=</u>
Job Condition Correction Fa Site Altitude: <u>5800</u> feet	<u>ictors</u>			
Altitude Adj: Job Efficiency: Net Correction:	1.00 (C 0.83 (1 s 0.83 mu	Source CAT HB) shift/day) ltiplier		
Adju	isted Hourly Unit Produ isted Hourly Unit Produ sted Hourly Fleet Produ	action: 146.23	LCY/Hour LCY/Hour LCY/Hour	
JOB TIME AND COST				
Fleet size: 1	Loader(s)	Total job time:	6.84	Hours
Unit cost:\$0.669	/LCY	Total job cost: _	\$669.00	

Page 1 of 2

BULLDOZER WORK

West Sunday	Permit Action:	AM-1	Permit/Job#:	M1981021
<u>PROJECT IDENTIFI</u>	CATION			
Task #: 009	State: Colorado		Abbreviation:	None
Date: 3/13/2012	County: San Migue		Filename:	M021-009
User: RCO				
Agency or organ	ization name: DRMS			
Agency of organ				
HOURLY EQUIPME	<u>NT COST</u>			
Basic Machine: Cat	D9T - 9SU	_		
Horsepower: 405		_		
Blade Type: Sem	ii-Universal	_		
Attachment: 3-sh	ank ripper	_		
	r day			
Data Source: (CR	G)	-		
Cost Breakdown:				
		Utilization %		
Ownership Cost/Hour:	\$80.19	NA		
Operating Cost/Hour:	\$140.68	100		
Ripper op. Cost/Hour:	\$0.00	0		
Operator Cost/Hour:	\$38.49	NA		
Total unit Cost/Hour:	\$259.35			
Total Fleet Cost/Hour:	\$259.35 \$259.35			
	<i>445785</i>			
MATERIAL QUANT	ITIES			
Initial Volume: 1,000				
Swell factor: 1.125	i			
Swell factor: 1.125				
Swell factor: 1.125	LCY	n, Mining & Safety		
Swell factor:1.125Loose volume:1,125	LCY Division of Reclamatic	n, Mining & Safety		
Swell factor: 1.125 Loose volume: 1,125 Source of estimated volum	LCY Division of Reclamatic	on, Mining & Safety		
Swell factor: 1.125 Loose volume: 1,125 Source of estimated volum	ELCY De: Division of Reclamatic factor: Cat Handbook	on, Mining & Safety		
Swell factor: 1.125 Loose volume: $1,125$ Source of estimated volunSource of estimated swellHOURLY PRODUCT	ELCY De: <u>Division of Reclamatic</u> factor: <u>Cat Handbook</u>	n, Mining & Safety		
Swell factor: 1.125 Loose volume: $1,125$ Source of estimated volunSource of estimated swellHOURLY PRODUCTAverage push distance:	LCY De: <u>Division of Reclamatic</u> factor: <u>Cat Handbook</u> ION 60 feet	on, Mining & Safety		
Swell factor: 1.125 Loose volume: $1,125$ Source of estimated volunSource of estimated swellHOURLY PRODUCT	ELCY De: <u>Division of Reclamatic</u> factor: <u>Cat Handbook</u> <u>ION</u> _60 feet	on, Mining & Safety		
Swell factor: 1.125 Loose volume: $1,125$ Source of estimated volunSource of estimated swellHOURLY PRODUCTAverage push distance:	bit E Division of Reclamatic factor: Cat Handbook ION 60 feet tion: 1,872.0 LCY/hr	n, Mining & Safety		
Swell factor: 1.125 Loose volume: 1_3125 Source of estimated volunSource of estimated swellHOURLY PRODUCTAverage push distance:Unadjusted hourly producMaterials consistency desc	ICY Division of Reclamatic factor: Division of Reclamatic factor: Cat Handbook ION 60 feet tion: 1,872.0 LCY/hr cription: Loose stockpile 1.2	on, Mining & Safety		
Swell factor: 1.125 Loose volume: 1_3125 Source of estimated volun Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly produc Materials consistency desc Average push gradient:	ICY Division of Reclamatic factor:	on, Mining & Safety		
Swell factor: 1.125 Loose volume: 1_3125 Source of estimated volunSource of estimated swellHOURLY PRODUCTAverage push distance:Unadjusted hourly producMaterials consistency desc	ICY Division of Reclamatic factor: Division of Reclamatic factor: Cat Handbook ION 60 feet tion: 1,872.0 LCY/hr cription: Loose stockpile 1.2	on, Mining & Safety		
Swell factor: 1.125 Loose volume: 1,125 Source of estimated volun Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly produc Materials consistency desc Average push gradient: Average site altitude:	6 LCY ac: Division of Reclamatic factor: Cat Handbook ION 60 feet tion: 1,872.0 LCY/hr cription: Loose stockpile 1.2 0 % 5,800 feet	n, Mining & Safety		
Swell factor: 1.125 Loose volume: 1_3125 Source of estimated volun Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly produc Materials consistency desc Average push gradient:	ICY Division of Reclamatic factor:	on, Mining & Safety		
Swell factor: 1.125 Loose volume: 1,125 Source of estimated volun Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly produc Materials consistency desc Average push gradient: Average site altitude:	6 LCY ac: Division of Reclamatic factor: Cat Handbook ION 60 feet tion: 1,872.0 LCY/hr cription: Loose stockpile 1.2 0 % 5,800 feet	on, Mining & Safety		
Swell factor: 1.125 Loose volume: 1,125 Source of estimated volun Source of estimated swell BOURLY PRODUCT Average push distance: Unadjusted hourly produc Materials consistency desc Average push gradient: Average site altitude: Material weight: Material weight:	6 LCY ne: Division of Reclamatic factor: Cat Handbook ION 60 feet tion: 1,872.0 LCY/hr cription: Loose stockpile 1.2 0 % 5,800 feet 2,550 lbs/LCY Earth - Dry packed	on, Mining & Safety		
Swell factor: 1.125 Loose volume: 1,125 Source of estimated volun Source of estimated volun Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly produc Materials consistency desc Average push gradient: Average site altitude: Material weight: Weight description:	6 LCY ac: Division of Reclamatic factor: Cat Handbook ION 60 feet tion: 1,872.0 LCY/hr cription: Loose stockpile 1.2 0 % 5,800 feet 2,550 lbs/LCY Earth - Dry packed Factor Factor			
Swell factor: 1.125 Loose volume: 1,125 Source of estimated volun Source of estimated volun Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly produc Materials consistency desc Average push gradient: Average site altitude: Material weight: Weight description: tob Condition Correction	6 LCY bit ision of Reclamatic factor: Cat Handbook ION 60 feet tion: 1,872.0 LCY/hr cription: Loose stockpile 1.2 0 %			

Visibili	ty: 1.000	(AVG.)
Job efficience	cy: 0.830	(1 SHIFT/DAY)
Spoil pi	le: 0.700	(FND-MF)
Push gradie	nt: 1.000	(CAT HB)
Altitud	le: 1.000	(CAT HB)
Material Weig	ht: 0.902	(CAT HB)
Blade typ	pe: 1.000	(PAT)
Net correction	on: 0.4717	<u> </u>
Adjusted unit production:	883.02 LCY/hr	
Adjusted fleet production:	883.02 LCY/hr	

JOB TIME AND COST

Fleet size:	1 Dozer(s)
Unit cost:	\$0.294/LCY

Total job time:	1.27 Hours
Total job cost:	\$330.43

BULLDOZER RIPPING WORK

	Task description:	Rip road areas			
Site	: West Sunday	Permit	Action: <u>AM-1</u>	Permit/Job	#: <u>M1981021</u>
	PROJECT IDENTIF	ICATION			
	Task #: 010	State: (Colorado	Abbreviation:	None
	Date: 3/13/2012		San Miguel		M021-010
	User: RCO		<u> </u>		
	Agency or orga	nization name: DRM	<u>S</u>		
	HOURLY EQUIPM	ENT COST			
	Basic Machine	e: Cat D9T - 9SU		Horsepower:	405
	Ripper Attachmen	t: 3-Shank Ripper			per day
				Data Source:	(CRG)
	Cost Breakdown:			1	
	0	11 0	000.10	Utilization %	
		ership Cost/Hour:	\$80.19	NA 100	
	-	rating Cost/Hour:	\$140.68	100	
		rating Cost/Hour: erator Cost/Hour:	\$7.17 \$38.49	NA	
	-	Unit Cost/Hour:	\$266.52		
		Fleet Cost/Hour:	\$266.52	é	
	MATERIAL QUAN				
			Selected estimatin	g method: <u>Area</u>	·····
	Alternate Methods:				
Seismic:	NA		Volume: NA	BCY	NA
Area:	<u>1.10</u> ac	res Rip Dej	pth (ft): <u>1.00</u>	Volume:1,775	BCY or CCY
	Sourc	e of estimated quantity:	AM-1 maps		
	HOURLY PRODUC	ΓΙΟΝ			
	<u>Seismic:</u>	Seismic Velocit	y: NA	feet/second	
	Area:	A	A (2)	1	
		Average Ripping Dept		mph	
		Average Ripping Widt Average Ripping Lengt		degrees feet	
		Average Ripping Lengt		feet	
		Average Maneuver Tim		feet	
		Production per unit are		acres/hour	
		-			
	Job Condition Correction	Factors			
	Unadjusted	l Hourly Unit Production	n: 0.866	Acres/hr	
		Site Altitud	e:5,800	feet	
		Altitude Ad	·	(CAT HB)	
		Job Efficienc		(1 shift/day)	
		Net Correction	n: 0.83	multiplier	
	A	djusted Hourly Unit Pro	oduction: 0.72	Acres/hr	
		djusted Hourly Fleet Pro		Acres/hr	
	JOB TIME AND CO				
	Fleet size: 1	Grader(s)	Total job tin	ne: 1.53	Hours
			·		
	Unit cost: \$370	.719 Per acre	Total job co	ost: \$408.00	

REVEGETATION WORK

Task description:	Revegetate all dis	sturbed areas			
e: West Sunday	Perm	nit Action: <u>AM-</u>	1	Permit/Job#	M1981021
PROJECT IDENTIFI	CATION				
Task #:011	State:	Colorado		Abbreviation:	None
Date: 3/13/2012	County:	San Miguel		Filename:	M021-011
User: RCO					
Agency or organ	ization name: <u>DR</u>	MS			
<u>FERTILIZING</u>					
Materials					
Description		Units / Acre	Unit	Cost / Unit	Cost /Acre

Description	Acre	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
Chisel plowing {DMG}		\$86.71
Weed control spraying (MEANS 31 31 16.13 3100)		\$145.20
	Total Tilling Cost/Acre	\$231.91

<u>SEEDING</u>

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Blue Grama - Native	0.48	7.83	\$4.86
Indian Ricegrass - Native	3.71	12.01	\$24.49
Sand Dropseed	0.07	8.36	\$0.48
Bottlebrush Squirreltail	2.04	8.99	\$49.63
Galleta	2.47	9.02	\$60.93
Muttongrass	0.10	2.07	\$3.60
Sagebrush, Mountain or Big	0.10	5.28	\$3.30
Saltbush, Four Wing	0.25	0.34	\$2.63
Winter Fat	0.25	0.64	\$8.00

Totals Seed Mix 9.47	54.54	\$157.92	
----------------------	-------	----------	--

Application Cost /Acre Description \$255.76 Broadcast seeding [DMG] \$255.76 Total Seed Application Cost/Acre

MULCHING and MISCELLANEOUS

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

Application

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

NURSERY STOCK PLANTING

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

JOB TIME AND COST

Estimate *Selected Replantin	No. of Acres: ed Failure Rate: ng Work Items:	30%	 re: <u>\$645.59</u> **: \$645.59
Initial Job Cost: Reseeding Job Cost: Total Job Cost: Job Hours:	\$1,936.77 \$8,392.67		

Note: This task includes revegetation of all disturbed areas: waste dump pad and slopes, access road, vent roads, and vent shaft areas. It also includes weed control treatment.

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description	Hau	ul reclamation equ	uipment to and	from site				. .
West Sunday		Permit A	Action: <u>AM-1</u>		Per	mit/Job#:	M19810	21
PROJECT ID	ENTIFICAT	ION						
Task #: 012	2	State: Co	olorado		Abbre	viation:	None	
	3/2012		n Miguel	_		lename:	M021-01	2
User: RC		County. <u>– Ba</u>				-	111021-01	<i>L</i>
Agency	or organization	n name: DRMS						
EQUIPMENT	TRANSPOR	RT RIG COST						
					Shift bas	sis: 1	per day	
					Cost Data Sour		RG Data	
True	ek Tractor Desc	ription: GEN	ERIC ON-HIGH				IESEL PO	WERED,
					P (2ND HALF, 2			
Tru	ck Trail <mark>er</mark> Desc	ription: GENE	RIC FOLDING	GOOSEN	ECK, DROP D	ECK EQU	IPMENT	TRAILER
				(251	, 50T, AND 100	DT)		
a (b. 11		-						
Cost Breakdown	<u>.</u>							
Available Rig C	apacities	0-25 Tons	26-50 Tons	51	+ Tons			
	p Cost/Hour:	\$16.63	\$18.37		22.33			
	g Cost/Hour:	\$44.38	\$46.13		50.07			
	or Cost/Hour:	\$27.66	\$27.66		27.66			
	r Cost/Hour:	\$0.00	\$25.39		25.39			
	it Cost/Hour:	\$88.67	\$117.55		\$125.45			
10141 01	it costition.	400.07	ψ117,055	-	20110			
<u>NON ROADA</u>	BLE EQUIP	MENT:						
Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return T		DOT Permi
Description	Unit	Cost/hr/ unit	Cost/hr/unit	Size	Cost/hr/	Cost/hr/	fleet	Cost/ fleet
*	(TONS)				fleet			
Cat D9T - 9SU	66.13	\$80.19	\$125.45	1	\$205.64	\$125.45		\$250.00
CAT 938H	16.34	\$22.07	\$88.67	1	\$110.74	\$88.67		\$250.00
Cat 320D L 9'-6"	23.70	\$24.63	\$88.67	1	\$113.30	\$88.67		\$250.00
Stick								
				L-1-4-4-1	0.420 (0	# 242	70 4	750 00
			2	subtotals:	\$429.68	\$302.	79 1	750.00
ROADABLE I	OUIPMEN	[:						
								1
Machine Descrip	tion	Total Cost/hr/	unit Fleet Siz	e	Haul Trip	Return	1 Trip	
					Cost/hr/ fleet		r/ fleet	}
Flatbed Truck, 4x2		\$26.08	1		\$26.08	\$26.08		Į
Drill/Broadcast Se	eder with	\$61.93	1		\$61.93	\$61.93		
Tractor						1		

Subtotals:

\$88.01

\$88.01

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	NATURITA	
Total one-way travel distance:	40.00	miles
Average Travel Speed:	40.00	mph
Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig:	\$4,683.66	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$176.02	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	1.00	1.00
Return Time (Hours):	1.00	1.00
Loading Time (Hours):	1.00	NA
Unloading Time (Hours):	1.00	NA
Subtotals:	4.00	2.00

JOB TIME AND COST

Total job time: 8.00 Hours

Total job cost: \$4,859.68

SAFEGUARDING UNDERGROUND OPENINGS

Т	ask descriptio	n: <u>I</u> i	nstall atmospheric bulkh	eads undergroun	1d		
Site:	West Sunday	-	Permit Action:	AM-1	Permit/Job#: M1981021		
<u>PROJEC</u>	<u>T IDENTIF</u>	ICATION					
Task #: Date: User:	013 5/30/2012 RCO		State: Colorado County: San Miguel		Abbrevi Filer	ation: name:	None M021-013
	Agency	or organization	n name: DRMS				
<u>UNIT CO</u>	<u>DSTS</u>						
Opening I	Description	Dimensions	Closure Method	Quanti	ty Unit	Unit	

Opening Description	Dimensions	Closure Method	Quantity	Unit	Unit Cost	Total Cost
Underground workings	12x15	PUF block wall, non- backed	2.00	EA	\$1,500.00	\$3,000.00

Job Hours: _____ 32.00

Total Cost: \$3,000.00