May 31, 2017

Peter Freedman AuPt Industries LLC PO Box 1424 Edwards, CO 81632



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

1313 Sherman Street, Room 215 Denver, CO 80203

RE: West Side Placer, File No.M-2016-081, Hard Rock/Metal Mining Limited Impact Operation (110(2)) Reclamation Permit Conversion Application (CN-1), Decision Letter – Financial and Performance Warranty Request

Dear Mr. Freedman:

On May 31, 2017, the Division of Reclamation, Mining and Safety (Division) approved the above noted permit conversion application submitted to the Division on April 10, 2017, addressing the following:

Converting from a 4 ac 110(1) permit to a 9.9 ac 110(2) permit. Additional changes to the mining and reclamation plans and maps.

The terms of the Conversion No. CN-1 approved by the Division are hereby incorporated into Permit No. M-2016-081. All other conditions and requirements of Permit No.M-2016-081 remain in full force and effect.

In an effort to ensure the Financial Warranty for the above referenced site adequately reflects the actual current costs of fulfilling the requirements of the approved reclamation plan, the Division has updated the reclamation cost estimate to include changed made through CN-1 (copy enclosed).

The estimated liability amount of \$34,483 exceeds the \$30,186.49 Financial Warranty currently held for this site. If you have not already done so, please submit additional bond in the amount of \$4,296.51. Therefore, pursuant to Section 34–32–117(4) of the Colorado Land Reclamation Act, adequate Financial Warranty must be submitted to the Division within 60 days of the mailing date of this letter. The additional amount needs to be accepted prior to Tuesday, August 01, 2017. The revision will not be final until the bond is approved by the Division.

Please make arrangements with Barbara Coria at the Division of Reclamation, Mining and Safety Denver Office, phone no. 303.866.3567, ext. 8148 for submittal of the financial warranty. Any questions regarding completion, execution and/or submittal of financial warranty forms should also be directed to Barbara Coria.

If you require additional information, or have questions or concerns, please feel free to contact me. Amy Yeldell at the Division of Reclamation, Mining and Safety, 1313 Sherman St., Room 215, Denver, CO 80203. Direct contact can be made by phone at 970-254-8511 or via email at amy.yeldell@ state.co.us



Peter Freedman May 31, 2017 Page 2

Sincerely,

Amy Geldell

Amy Yeldell Environmental Protection Specialist Department of Natural Resources Division of Reclamation, Mining and Safety Phone: (970) 254-8511 Fax: (970) 241-1516

Ec: Russ Means Ser

Russ Means, Senior EPS, Grand Junction DRMS Philip Courtney, Colorado State Land Board

COST SUMMARY WORK

Task description: Updates		Updates from C	N-1				
Site:	West Sid	e Placer	Pe	rmit Action:	CN-1	Permit/Jol	o#: M2016081
<u>PI</u>	ROJECT	IDENTIFIC	CATION				
	Task #:	ACY	State:	Colorado		Abbreviation:	None
	Date:	4/25/2017	County:	Moffat		Filename:	M081-ACY
	User:	ACY					
	Age	ency or organi	zation name: DF	RMS			

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Plug water well	BOREHOLE	1	4.00	\$1,975.08
02a	Regrading Pond (1x)	DOZER	1	1.77	\$339.00
02b	Overburden replacement and grading of mining phases	SCRAPER1	1	21.17	\$15,067.00
03a	Topsoil replacement of mining phases	SCRAPER1	1	2.94	\$2,093.00
03b	Grading topsoil in mining phase	DOZER	1	2.91	\$557.00
04a	Seed mining phases	REVEGE	1	8.00	\$1,106.00
04b	Seed roads, pond and operating areas	REVEGE	1	8.00	\$737.00
05a	Initial Mobilization	MOBILIZE	1	5.78	\$4,500.00
05b	Secondary Mobilization	MOBILIZE	1	5.78	\$1,136.00
		<u>SUBTO</u>	TALS:	60.35	\$27,510

INDIRECT COSTS

OVERHEAD AND PROFIT:

)2	Total =	\$555.70
)5	Total =	\$288.86
00	Total =	\$0.00
.00	Total =	\$2,751.00
TOTAL	O & P =	\$3,595.56
CONTRACT AMOUNT (direct +	O & P) =	\$31,105.56
)	5 0 00 TOTAL	$\begin{array}{l} 5 & Total = \\ 0 & Total = \end{array}$

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): Engineering work and/or contract/bid preparation: Reclamation management and/or administration:	500.00 4.25 5.00	Total = Total =	500.00 \$1,321.99 \$1,555.28
CONTINGENCY:	0.00	Total =	\$0.00
	TOTAL I	NDIRECT COST =	\$6,972.82
TOTAL BO TOTAL BOND A	\$34,482.82 \$34,483.00		

BOREHOLE SEALING WORK

,	Task description:	Plug water	well				
Site:	West Side Placer		Permit Action:	CN-1	Permit/J	ob#:	M2016081
<u>PROJE</u>	CT IDENTIFICATION	<u>N</u>					
Task #: Date: User:	5/2/2017	State: County:	Colorado Moffat		Abbreviation: Filename:	None M08	e 1-01a
	Agency or organizat	ion name:	DRMS				

UNIT COSTS

Borehole Description	Sealing/Item Method	Diameter	Length	Quantity	Unit	Unit Cost	Total Cost
Plug lower portion of well	Bentonite seal - 8 in. (labor, equip, materials)	7.875	295	295.00	LF	\$6.40	\$1,888.00
Plug upper portion of well	Portland cement grout - 10 in. (labor, equip, materials)	8.625	5	5.00	LF	\$16.68	\$83.42
Marker	Borehole location/identification marker (EA, material cost only)	8.625	1	1.00	EA	\$3.67	\$3.67

Job Hours: 4.00

Total Cost: \$1,975.00

BULLDOZER WORK

West Side Placer Permit Action: CN-1 Permit	mit/Job#: M2016081
PROJECT IDENTIFICATION	
Task #:02AState:ColoradoAbbrev	viation: None
	lename: M081-02a
User: ACY	
Agency or organization name: DRMS	
HOURLY EQUIPMENT COST	
Basic Machine: Cat D8T - 8SU	
Horsepower: <u>310</u>	
Blade Type: Semi-Universal Attachment: NA	
Data Source: (CRG)	
Cost Breakdown:	
<u>Utilization %</u>	
Ownership Cost/Hour: \$83.81 NA	
Operating Cost/Hour: \$66.17 100	
Ripper own. Cost/Hour: \$0.00 NA	
Ripper op. Cost/Hour: \$0.00 0	
Operator Cost/Hour: \$41.85 NA	
Total unit Cost/Hour: \$191.83	
Total Fleet Cost/Hour: \$191.83	
MATERIAL QUANTITIES Initial Volume: 887	
Swell factor:1.060Loose volume:940 LCY	
Source of estimated volume:1 pond-2993 sqft x 8' deepSource of estimated swell factor:Cat Handbook	
Source of estimated swell factor: Cat Handbook	
HOURLY PRODUCTION	
Average push distance: 50 feet	
Unadjusted hourly production: 1,400.0 LCY/hr	
Materials consistency description: Partly consolidated stockpile 1.1	
Average push gradient: 0%	
Average site altitude: 6,225 feet	
Material weight: 2,900 lbs/LCY	
Weight description: Sand and gravel - Dry	
Job Condition Correction Factor Source	
Operator Skill: 0.750 (AVG.)	
•	
Invite that consistency: 1.100 (CAT HB)	
Material consistency:1.100(CAT HB)Dozing method:1.000(GEN.)	
Material consistency:1.100(CAT HB)Dozing method:1.000(GEN.)Visibility:1.000(AVG.)	

Job efficience	y: 0.830	(1 SHIFT/DAY)
Spoil pi	e: 0.700	(FND-MF)
Push gradier	nt: 1.000	(CAT HB)
Altitud	e: 1.000	(CAT HB)
Material Weigl	nt: 0.793	(CAT HB)
Blade typ	e: 1.000	(PAT)
Net correction	n: 0.3801	
Adjusted unit production:	532.14 LCY/hr	
Adjusted fleet production:	532.14 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$0.360/LCY

Total job time:	1.77 Hours
Total job cost:	\$339

SCRAPER TEAM WORK

Site: West Side	e Placer		Permit	t Action:	CN-1	Perr	mit/Job#: M201	16081			
PROJECT	PROJECT IDENTIFICATION										
Task #:						Abbrey					
Date: User:	<u>/</u> Co	ounty: _]	Moffat		F1l	ename: M081	-026				
Ag	ency or o	rganization name	: DRM	IS							
HOURLY	EQUIP	MENT			COSTSI	nift basis: <u>1 per d</u>	<u>ay</u>				
					nt Description						
			Scraper: -Dozer:	Cat 637 NA	G						
	Suppor	t Equipment -Loa	nd Area:	Cat D87							
	Pood Mai	-Dum ntenance –Motor	np Area:	Cat D87 NA	Г - 8SU						
1	NUau Iviai		r Truck:	NA							
	_	~ ~~~			~						
Cost Break	down:	Scraper Wo Scraper	ork Team Do	zer	Support Equip Load Area	Dump Area	Maintenance Motor Grader	Water Ti			
%Utilization-m	achina	100		NA	100	100	NA				
Ownership cos		\$143.40		NA	\$83.81	\$83.81	NA				
Operating cos		\$153.53		NA	\$66.17	\$66.17	NA				
%Utilization		NA		NA	NA	NA	NA				
Ripper own. cos		NA		NA	\$0.00	\$0.00	NA				
Ripper op. cos		NA		NA	\$0.00	\$0.00	NA				
Operator cos	st/hour:	\$31.26		NA	\$41.85	\$41.85	NA				
Unit Su	btotals:	\$328.19		NA	\$191.83	\$191.83	NA				
Number of	f Units:	1		0	1	1	0				
Group Su	btotals:	Work:	\$328	8.19	Support:	\$383.66	Maint:	\$0.00			
MATERIA Initial		hour: <u>\$711.85</u> <u>NTITIES</u> 9,999 9,999		CCY LCY	Swell fact	or: <u>1.000</u>					
		ce of estimated ve			' x 600' strips						
	Source of	f estimated swell	iactor:	Cat Hand	IUUUK						
HOURLY	PRODU	UCTION									
					Scraper Bo	owl (volume) Basi	<u>s:</u>				
Material		3,400 lbs/LCY			Struck V	Volume: 24.00		.CY			
Material desc		Sand and gravel	- Wet		Heaped Y	Volume: 34.00	I	LCY			
Rated F	N 1 1	81,600 pounds			Average V	Volume: 29.00	-	LCY			

<u>0.80</u> Minutes

<u>0.60</u> Minutes

Cycle Time:

Scraper Loading Time: Maneuver and Spread Time:

Job Condition Correction:

Site Altitude: 6225 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: Loose sand or gravel 10

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	600.00	0.00	10.00	10.00	922	0.68

Haul Time: **0.68** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)	
1	600.00	0.00	10.00	10.00	1476	0.45	
				Return Time:	0.45	minutes	
			Total Scrape	er team cycle time:	2.53	minutes	
			Adjusted	for job conditions:	472.41	LCY/Hour	
		1	Scraper(s)				
	Adjuste	472.41	LCY/Hour				
	Adjusted n	nultiple scrap	per team (fleet)	hourly production:	472.41	LCY/Hour	
Optima	Unadjusted unit pro al Number of Scrapers pe		-	_ LCY/Hour			
JOB T	IME AND COST						

Unit cost: \$1.507 /LCY

Total job cost: \$15,067

SCRAPER TEAM WORK

		Permit Action:	CN-I	Pern	nit/Job#: <u>M201</u>	6081
PROJECT IDENT	IFICATION					
Task #: 03A Date: 5/2/201' User: ACY	Sta 7 Coun			Abbrev	riation: <u>None</u> ename: <u>M081</u> -	03a
Agency or or	rganization name:	DRMS				
HOURLY EQUIP	MENT_		COSTSI	hift basis: <u>1 per da</u>	<u>ay</u>	
		Equipme	nt Description			
		caper: Cat 637	Ĵ			
Suppor	t Equipment -Load	ozer: NA Area: Cat D8T	' - 8SU			
	-Dump	Area: Cat D8T				
Road Main	ntenance –Motor Gi -Water T					
	-water 1	TUCK. INA				
Cost Breakdown:	Scraper Work	Team	Support Equip		Maintenance	Equipme
	Scraper	Dozer	Load Area	Dump Area	Motor Grader	Water
%Utilization-machine:	100	NA	100	100	NA	
Ownership cost/hour:	\$143.40	NA	\$83.81	\$83.81	NA	
Operating cost/hour:	\$153.53	NA	\$66.17	\$66.17	NA	
%Utilization-ripper:	NA	NA	NA	NA	NA	
Ripper own. cost/hour:	NA	NA	\$0.00	\$0.00	NA	
Ripper op. cost/hour:	NA that ac	NA	\$0.00	\$0.00	NA	
Operator cost/hour: Unit Subtotals:	\$31.26 \$328.19	NA NA	\$41.85 \$191.83	\$41.85 \$191.83	NA NA	
Number of Units:	\$528.19	0	\$191.85 1	\$191.85	0	
Group Subtotals:	Work:	\$328.19	Support:	\$383.66	Maint:	\$0
Total work team cost/			~			
	<u>,</u>					
MATERIAL QUA	<u>NTITIES</u>					
Initial volume: Loose volume:	1,389 1,389	CCY LCY	Swell fact	tor: <u>1.000</u>		
	ce of estimated volu f estimated swell fac		x 600' strips book			
HOURLY PRODU	UCTION					
			Scraper Bo	owl (volume) Basi	<u>s:</u>	
Material weight: Material description:	3,400 lbs/LCY Sand and gravel - V	Vet	Heaped		L	CY CY
Rated Payload:	81,600 pounds		Average	Volume: <u>29.00</u>	L	CY

<u>0.80</u> Minutes

<u>0.60</u> Minutes

Cycle Time:

Scraper Loading Time: Maneuver and Spread Time:

Job Condition Correction:

Site Altitude: 6225 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: Loose sand or gravel 10

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	600.00	0.00	10.00	10.00	922	0.68

Haul Time: **0.68** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	600.00	0.00	10.00	10.00	1476	0.45
				Return Time:	0.45	minutes
			Total Scrape	er team cycle time:	2.53	minutes
		472.41	LCY/Hour			
			Selected N	umber of Scrapers:	1	Scraper(s)
	Adjuste	d single scra	per team (unit)	hourly production:	472.41	LCY/Hour
	Adjusted n	nultiple scrap	per team (fleet)	hourly production:	472.41	LCY/Hour
Optim	Unadjusted unit pro al Number of Scrapers pe			_ LCY/Hour		
	IME AND COST	Team(s)	7	Γotal job time:	2.94	Hours

Unit cost: \$1.507 /LCY

Total job cost: **\$2,093**

Page 1 of 2

BULLDOZER WORK

Task description:	Grading topsoil in	n mining pi	lase		
: West Side Placer	Pern	nit Action:	CN-1	Permit/Job#:	M2016081
PROJECT IDENTI	FICATION				
Task #: 03B	State:	Colorado		Abbreviation:	None
Date: $5/2/2017$	County:	Moffat		Filename:	M081-03b
User: ACY	County.	Wionat		i nename.	W1001 050
		MS			
		INIS			
HOURLY EQUIPM	ENT COST				
	at D8T - 8SU				
Horsepower: 31					
	emi-Universal				
Attachment: N					
	per day				
Data Source: (C	CRG)		<u> </u>		
Cost Breakdown:					
Ownership Cost/Hour:		\$83.81	<u>Utilization %</u> NA		
Operating Cost/Hour:		\$66.17	100		
Ripper own. Cost/Hour:		\$0.00	NA		
Ripper op. Cost/Hour:		\$0.00	<u> </u>		
Operator Cost/Hour:		\$41.85	NA		
operator cost/fiour.		φ+1.05	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour:	\$191.83 \$191.83				
Total Fleet Cost/Hour:	\$191.83 TITIES				
Total Fleet Cost/Hour: <u>MATERIAL QUAN'</u> Initial Volume:695	\$191.83 TITIES 5				
Total Fleet Cost/Hour: <u>MATERIAL QUAN</u> Initial Volume: 695 Swell factor: 1.2	\$191.83 TITIES 5 15				
Total Fleet Cost/Hour: <u>MATERIAL QUAN</u> Initial Volume: 695 Swell factor: 1.2	\$191.83 TITIES 5				
Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 695 Swell factor: 1.2 Loose volume: 844 Source of estimated volumed	\$191.83 TITIES 5 15 4 LCY ume:Half of tra	 unsported an	nount		
Total Fleet Cost/Hour: MATERIAL QUAN' Initial Volume: 695 Swell factor: 1.2 Loose volume: 844	\$191.83 TITIES 5 15 4 LCY ume:Half of tra		nount		
Total Fleet Cost/Hour: MATERIAL QUAN' Initial Volume: 695 Swell factor: 1.2 Loose volume: 844 Source of estimated volu Source of estimated swe	\$191.83 TITIES 5 15 4 LCY ume: Half of tra ell factor: Cat Handl		nount		
Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 695 Swell factor: 1.2 Loose volume: 844 Source of estimated volu swell Source of estimated swell HOURLY PRODUCC	\$191.83 TITIES 5 15 4 LCY ume: Half of tra ell factor: Cat Handl CTION		<u>10unt</u>		
Total Fleet Cost/Hour: MATERIAL QUAN' Initial Volume: 695 Swell factor: 1.2 Loose volume: 844 Source of estimated volu Source of estimated swe HOURLY PRODUC Average push distance:	\$191.83 TITIES 5 15 4 LCY ume: Half of tra cat Handle CTION 200 feet	book	nount		
Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 695 Swell factor: 1.2 Loose volume: 844 Source of estimated volu Source of estimated swe HOURLY PRODUC	\$191.83 TITIES 5 15 4 LCY ume: Half of tra cat Handle CTION 200 feet	book	10unt		
Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 695 Swell factor: 1.2 Loose volume: 844 Source of estimated volu Source of estimated swe HOURLY PRODUC Average push distance:	\$191.83 TITIES 5 15 4 LCY ume: Half of tra cat Handle Cat Handle CTION auction: 200 feet 491.9 LCY/1	book	nount		
Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 695 Swell factor: 1.2 Loose volume: 844 Source of estimated volu Source of estimated swe HOURLY PRODUC Average push distance: Unadjusted hourly produ	\$191.83 TITIES 5 15 4 LCY ume: Half of tra cat Handle Cat Handle CTION auction: 200 feet 491.9 LCY/1	book			
Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 695 Swell factor: 1.2 Loose volume: 844 Source of estimated volu Source of estimated volu Source of estimated swe HOURLY PRODUC Average push distance: Unadjusted hourly produc	\$191.83 TITIES 5 15 4 LCY ume: Half of tra 200 feet uction: 200 feet 491.9 LCY/1 escription: Partly c	book			
Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 695 Swell factor: 1.2 Loose volume: 844 Source of estimated volu Source of estimated volu Source of estimated swe HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient:	\$191.83 TITIES 5 15 4 LCY ume: Half of tra 200 feet uction: 200 feet uction: 491.9 LCY/1 escription: Partly c 0 %	book			
Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 695 Swell factor: 1.2 Loose volume: 844 Source of estimated volu Source of estimated swe HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude:	\$191.83 TITIES 5 15 4 LCY ume: Half of tra cat Handl triangle 200 feet uction: 200 feet uction: 491.9 LCY/l escription: Partly c 0 % 6,225 feet	book			
Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 695 Swell factor: 1.2 Loose volume: 844 Source of estimated volu Source of estimated volu Source of estimated swell HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description:	\$191.83 TITIES 5 15 4 LCY ume: Half of tra ell factor: Cat Handle 200 feet uction: 200 feet uction: 491.9 LCY/le escription: Partly c 0 % 6,225 feet 1,600 lbs/LCY Top Soil	book	stockpile 1.1		
Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 695 Swell factor: 1.2 Loose volume: 844 Source of estimated volu Source of estimated volu Source of estimated swe HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correctio	\$191.83 TITIES 5 15 4 LCY ume: Half of tra cat Handl 200 feet uction: 200 feet uction: 491.9 LCY// escription: Partly c 0 % 6,225 feet 1,600 lbs/LCY Top Soil on Factor 1	hr onsolidated	stockpile 1.1		
Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 695 Swell factor: 1.2 Loose volume: 844 Source of estimated volu Source of estimated volu Source of estimated swell HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description:	\$191.83 TITIES 5 15 4 LCY ume: Half of tra cat Handl 200 feet uction: 200 feet uction: 491.9 LCY/I escription: Partly c 0 % 6,225 feet 1,600 lbs/LCY Top Soil n Factor 0.7	book	stockpile 1.1		
Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 695 Swell factor: 1.2 Loose volume: 844 Source of estimated volu Source of estimated volu Source of estimated swell HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correctio Operator	\$191.83 TITIES 5 15 4 LCY ume: Half of tra cat Handle 200 feet uction: 200 feet uction: 200 feet escription: Partly c 0 % 6,225 feet 1,600 lbs/LCY Top Soil m Factor 0.7 r Skill: 0.7 stency: 1.7	hr onsolidated	stockpile 1.1 <u>Source</u> (AVG.)		

Job efficiency	0.830	(1 SHIFT/DAY)
Spoil pile	e: 0.600	(FND-SF)
Push gradien	t: 1.000	(CAT HB)
Altitude	e: 1.000	(CAT HB)
Material Weigh	t: 1.438	(CAT HB)
Blade type	2: 1.000	(PAT)
Net correction	n: 0.5908	
Adjusted unit production:	290.61 LCY/hr	
Adjusted fleet production:	290.61 LCY/hr	
—		

Fleet size:	1 Dozer(s)
Unit cost:	\$0.660/LCY

Total job time:	2.91 Hours
Total job cost:	\$557

REVEGETATION WORK

Task description:		Seed mining phases					
Site: West Sid	e Placer	Permit Action:	CN-1	Permit/Job	#: <u>M2016081</u>		
PROJECT	IDENTIFI	<u>CATION</u>					
Task #: Date:	04A 5/2/2017	State: <u>Colorado</u> County: Moffat		Abbreviation: Filename:	None M081-04a		
User:	ACY						
User:	ACY	ization name: DRMS					

FERTILIZING

Materials

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

Application

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

TILLING

Description	Cost /Acre
	\$
Total Tilling Cost/Acre	\$0.00

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	1.85	5.99	\$12.95
Galleta	2.19	7.99	\$54.09
Western Wheatgrass - Arriba	2.76	6.97	\$22.30
Needle and Thread	3.03	8.00	\$125.75
Globemallow, Scarlet (or copper)	0.25	2.83	\$33.88
Basin Wildrye - Trailhead	3.03	12.31	\$45.60
Totals Seed Mix	13.11	44.09	\$294.57

Application

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

MULCHING and MISCELLANEOUS

Materials

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

Application

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

NURSERY STOCK PLANTING

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

No. of Acres:	1.5	Cost /Acre:	\$526.57
Estimated Failure Rate:	40%	Cost /Acre*:	\$526.57
*Selected Replanting Work Items:	SEEDING		
Initial Job Cost: \$789.86			

Initial Job Cost:	\$789.86
Reseeding Job Cost:	\$315.94
Total Job Cost:	\$1,106
Job Hours:	8.00

REVEGETATION WORK

Т	ask descrip	otion:	Seed roads, pond and operat	ing areas		
Site:	West Side	e Placer	Permit Action:	CN-1	Permit/Job	#: M2016081
<u>P</u>]	ROJECT	IDENTIFIC	CATION			
	Task #:	04B	State: Colorado		Abbreviation:	None
	Date:	5/2/2017	County: Moffat		Filename:	M081-04v
	User:	ACY				
	Age	ency or organi	zation name: DRMS			

FERTILIZING

Materials

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

Application

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

TILLING

Description	Cost /Acre
	\$
Total Tilling Cost/Acre	\$0.00

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	1.85	5.99	\$12.95
Galleta	2.19	7.99	\$54.09
Western Wheatgrass - Arriba	2.76	6.97	\$22.30
Needle and Thread	3.03	8.00	\$125.75
Globemallow, Scarlet (or copper)	0.25	2.83	\$33.88
Basin Wildrye - Trailhead	3.03	12.31	\$45.60
Totals Seed Mix	13.11	44.09	\$294.57

Application

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

MULCHING and MISCELLANEOUS

Materials

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

Application

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

NURSERY STOCK PLANTING

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

No. of Acres:	1	Cost /Acre:	\$526.57
Estimated Failure Rate:	40%	Cost /Acre*:	\$526.57
*Selected Replanting Work Items:	SEEDING		

Initial Job Cost:	\$526.57
Reseeding Job Cost:	\$210.63
Total Job Cost:	\$737
Job Hours:	8.00

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description West Side Pla		Permit	Action: CN-1]	Permit/Job#:	M2016081
PROJECT IDE	INTIFICATI	ON					
Task #: 05			olorado		Abbre	viation: No	me
	2/2017		offat)81-05a
User: AC	CY						
Agency	or organization	n name: DRMS					
EQUIPMENT	ΤΡΑΝϚΡΩΡ	T RIC COST					
		<u>1 MU COST</u>			Shift ba	sis: 1 per	dav
				(Cost Data Sour	i	
m							
Truc	k Tractor Desc	ription: GENE	RIC ON-HIGH				SEL POWERED,
Т	1. T				(2ND HALF,		
1 ruo	ck Trailer Desc	Gription: G	ENERIC FOLD				JUIPMENT
				IKAILEK	(25T, 50T, AN	ND 1001)	
Cost Breakdown:							
Available Rig (anacities	0-25 Tons	26-50 Tons	51+	Tons		
	p Cost/Hour:	\$16.63	\$18.37		2.33		
	g Cost/Hour:	\$44.38	\$46.13		0.07		
	or Cost/Hour:	\$27.66	\$27.66		7.66		
	er Cost/Hour:	\$0.00	\$25.39		5.39		
	it Cost/Hour:	\$88.67	\$117.55		25.45		
Total Ol	1 0050 110 ull	<i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>	<i>Q117.00</i>	ψı			
NON ROADAH		TENT.					
Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return Trip	DOT Permit
Description	Unit	Cost/hr/ unit	Cost/hr/uni	Size	Cost/hr/	Cost/hr/ flee	t Cost/ fleet
L	(TONS)		t		fleet		
Cat 637G	57.28	\$143.40	\$125.45	1	\$268.85	\$125.45	\$250.00
Cat D8T - 8SU	53.08	\$91.36	\$125.45	1	\$216.81	\$125.45	\$250.00
Drill/Broadcast Seeder with	25.00	\$12.22	\$88.67	1	\$100.89	\$88.67	\$250.00
Tractor							
				Subtotals:	\$586.55	\$339.57	\$750.00

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.	\$40.24	1	\$40.24	\$40.24
		Subtotals:	\$40.24	\$40.24

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: Total one-way travel distance: Average Travel Speed:	CRAIG 52.00 55.00	miles mph
Total Non-Roadable Mob/Demob Cost *	\$4,424.31	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$76.09	

Transportation Cycle Time:

Haul Time (Hours): Return Time (Hours): Loading Time (Hours):	Non- Roadable Equipment 0.95 0.95 0.50	Roadable Equipment 0.95 0.95 NA
Unloading Time (Hours):	0.50	NA NA
Subtotals:	2.89	1.89

JOB TIME AND COST

Total job time: **5.78** Hours

Total job cost: **\$4,500**

EQUIPMENT MOBILIZATION/DEMOBILIZATION

: West Side Pla	icer	Permit	Action: <u>CN-1</u>	_		Permit/Job#: <u>N</u>	12016081
PROJECT IDE	NTIFICATI	ON					
Task #: 05 Date: 5/2 User: AC	2/2017		olorado offat			eviation: <u>None</u> ilename: <u>M08</u>	e 1-05b
Agency	or organization	n name: DRMS					
EQUIPMENT '	<u>FRANSPOR</u>	<u>T RIG COST</u>		(Shift ba Cost Data Sou		
Truc	k Tractor Desc	ription: GENE	RIC ON-HIGH	WAY TRU		OR, 6X4, DIESE	
						,	
	ek Trailer Desc	cription: G		DING GOO		ROP DECK EQU	JIPMENT
Cost Breakdown:		·	,	DING GOO FRAILER	SENECK, DF (25T, 50T, A)	ROP DECK EQU	JIPMENT
Cost Breakdown: Available Rig (Capacities	0-25 Tons	26-50 Tons	DING GOO FRAILER 51+	SENECK, DF (25T, 50T, A) - Tons	ROP DECK EQU	JIPMENT
<u>Cost Breakdown:</u> Available Rig C Ownershij	Capacities p Cost/Hour:	0-25 Tons \$16.63	26-50 Tons \$18.37	DING GOO FRAILER 51+ \$2	SENECK, DF (25T, 50T, A) - Tons 22.33	ROP DECK EQU	JIPMENT
Cost Breakdown: Available Rig C Ownershij Operating	Capacities p Cost/Hour: g Cost/Hour:	0-25 Tons \$16.63 \$44.38	26-50 Tons \$18.37 \$46.13	DING GOO TRAILER 51+ \$2 \$5	SENECK, DF (25T, 50T, A) - Tons 22.33 50.07	ROP DECK EQU	JIPMENT
Cost Breakdown: Available Rig C Ownershi Operating Operato	Capacities p Cost/Hour: g Cost/Hour: r Cost/Hour:	0-25 Tons \$16.63 \$44.38 \$27.66	26-50 Tons \$18.37 \$46.13 \$27.66	DING GOO TRAILER 51+ \$2 \$5 \$2 \$2	SENECK, DF (25T, 50T, A) - Tons 22.33 50.07 27.66	ROP DECK EQU	JIPMENT
Cost Breakdown: Available Rig C Ownershi Operating Operato Helpe	Capacities p Cost/Hour: g Cost/Hour:	0-25 Tons \$16.63 \$44.38	26-50 Tons \$18.37 \$46.13	DING GOO TRAILER 51+ \$2 \$5 \$2 \$2 \$2 \$2 \$2 \$2	SENECK, DF (25T, 50T, A) - Tons 22.33 50.07	ROP DECK EQU	JIPMENT
Cost Breakdown: Available Rig C Ownershi Operating Operato Helpe	Capacities p Cost/Hour: g Cost/Hour: r Cost/Hour: r Cost/Hour: t 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	DING GOO TRAILER 51+ \$2 \$5 \$2 \$2 \$2 \$2 \$2 \$2	SENECK, DF (25T, 50T, A) - Tons 22.33 50.07 27.66 25.39	ROP DECK EQU	JIPMENT
Cost Breakdown: Available Rig C Ownership Operating Operato Helpe Total Uni	Capacities p Cost/Hour: g Cost/Hour: r Cost/Hour: t Cost/Hour: t Cost/Hour: BLE EQUIPT	0-25 Tons \$16.63 \$44.38 \$27.66 \$0.00 \$88.67	26-50 Tons \$18.37 \$46.13 \$27.66 \$25.39 \$117.55	DING GOO TRAILER 51+ \$2 \$5 \$2 \$2 \$2 \$2 \$2 \$2	SENECK, DF (25T, 50T, A) - Tons 22.33 50.07 27.66 25.39 25.45	ROP DECK EQU	
Cost Breakdown: Available Rig O Ownership Operating Operato Helpe Total Uni	Capacities p Cost/Hour: g Cost/Hour: r Cost/Hour: r Cost/Hour: t Cost/Hour:	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	DING GOO TRAILER 51+ \$2 \$5 \$2 \$2 \$1	SENECK, DF (25T, 50T, A) - Tons 22.33 50.07 27.66 25.39	ROP DECK EQU ND 100T)	
Cost Breakdown: Available Rig C Ownership Operating Operato Helpe Total Uni NON ROADAE Machine	Capacities p Cost/Hour: g Cost/Hour: r Cost/Hour: t Cost/Hour: BLE EQUIPT Weight/ Unit	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 Cost/hr/uni	DING GOO TRAILER 51+ \$2 \$5 \$2 \$2 \$1 Fleet	SENECK, DF (25T, 50T, A) - Tons 22.33 50.07 27.66 25.39 25.45 Haul Trip Cost/hr/	ROP DECK EQU ND 100T) Return Trip	DOT Permit

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.	\$40.24	1	\$40.24	\$40.24
		Subtotals:	\$40.24	\$40.24

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: Total one-way travel distance: Average Travel Speed:	CRAIG 52.00 55.00	miles mph
Total Non-Roadable Mob/Demob Cost *	\$1,060.22	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$76.09	

Transportation Cycle Time:

	Non- Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.95	0.95
Return Time (Hours):	0.95	0.95
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	2.89	1.89

JOB TIME AND COST

Total job time: **5.78** Hours

Total job cost: **\$1,136**