November 9, 2018

Peter Freedman AuPt Industries LLC P.O. Box 1424 Edwards, CO 81632



1313 Sherman Street, Room 215 Denver, CO 80203

RE: West Side Placer, Permit No. M-2016-081, Technical Revision (TR-1) Approval

Dear Mr. Freedman:

On November 9, 2018 the Division of Reclamation, Mining and Safety (Division) <u>approved</u> the Technical Revision request (TR-1) submitted on August 28, 2018, addressing the following:

Revision of Mining and Reclamation Plan for the addition of a water treatment system (Rapid Thickener) and used of flocculant (DAF-30)

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

The estimated liability amount of \$39,160 exceeds the \$34,383 Financial Warranty currently held for this site. If you have not already done so, please submit additional bond in the amount of \$4,677. The revision will not be final until the bond is approved by the Division.

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

Sincerely,

Amy Yeldell

Environmental Protection Specialist

Enclosed: Updated Financial Warranty Cost Estimate

Cc: Wally Erickson, Senior EPS, Grand Junction DRMS



COST SUMMARY WORK

West Sid	e Placer	Permit	Action: TR-1	Permit/Job#:	M2016081
ROJECT	<u>IDENTIFIC</u>	<u>ATION</u>			
Task #:	ACY	State:	Colorado	Abbreviation:	None
Date:	11/9/2018	County:	Moffat	Filename:	M081-ACY
	ACY				

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Plug water well	BOREHOLE	1	4.00	\$1,999.42
02a	Demo Rapid Thickener Pillars	DEMOLISH	1	4.00	\$51.40
03a	Regrading Pond (1x)	DOZER	1	1.77	\$368.00
03b	Overburden replacement and grading of mining phases	SCRAPER1	1	21.17	\$16,308.00
04a	Topsoil replacement of mining phases	SCRAPER1	1	2.94	\$2,265.00
04b	Grading topsoil in mining phase	DOZER	1	2.91	\$606.00
05a	Seed mining phases	REVEGE	1	8.00	\$1,120.00
05b	Seed roads, pond and operating areas	REVEGE	1	8.00	\$747.00
06a	Initial Mobilization	MOBILIZE	1	5.78	\$4,604.00
06b	Secondary Mobilization	MOBILIZE	1	5.78	\$1,149.00
		SUBT	64.35	\$29,217	

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02 Total = \$590.18 Performance bond: 1.05 Total = \$306.78 Job superintendent: 32.17 Total = \$2,350.02 \$2,921.70 Profit: 10.00 Total =

TOTAL O & $P = \frac{$6,168.68}{}$

CONTRACT AMOUNT (direct + O & P) = $\frac{$35,385.68}{}$

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): 500.00 Total = 500.00

Engineering work and/or contract/bid preparation: 4.25 Total = \$1,503.89

Reclamation management and/or administration: 5.00 \$1,769.28

CONTINGENCY: 0.00 Total = \$0.00

TOTAL INDIRECT COST = \$9,941.86

TOTAL BOND AMOUNT (direct + indirect) = \$39,158.86

TOTAL BOND AMOUNT (Rounded) = \$39,160.00

BOREHOLE SEALING WORK

Т	ask description:	Plug water well			
Site:	West Side Placer	Permit Acti	on: TR-1	Permit/J	Job#: <u>M2016081</u>
ROJEC	T IDENTIFICATI	<u>ON</u>			
Task #:	01A	State: Colorado		Abbreviation:	None
Date:	11/9/2018	County: Moffat		Filename:	M081-01a
User:	ACY				

UNIT COSTS

Borehole	Sealing/Item Method						
Description		Diameter	Length	Quantity	Unit	Unit Cost	Total Cost
Plug lower portion	Bentonite seal - 8 in.	7.875	295	295.00	LF	\$6.65	\$1,961.75
of well	(labor, equip, materials)						
Plug upper portion	Portland cement grout -	8.625	5	5.00	LF	\$6.80	\$34.00
of well	10 in. (labor, equip,						
	materials)						
Marker	Borehole	8.625	1	1.00	EA	\$3.67	\$3.67
	location/identification						
	marker (EA, material						
	cost only)						

 Job Hours:
 4.00
 Total Cost:
 \$1,999.00

DEMOLITION WORK

	Task descripti	on: Der	ne Rapid Thickener Pillars				
Site:	West Side P	lacer	Permit Action: TR-1		Perm	nit/Job#:	M2016081
PROJE	CT IDENTI	<u>FICATION</u>					
Task #	: 02A		State: Colorado		Abbreviation	n: None	•
Date	: 11/9/2018	(County: Moffat		Filename	e: M08	1-02a
User	: ACY		-				
UNIT C		y or organization n	ame: DRMS		Location ac	ljustment	: 95.50 <u>%</u>
	ure or Item scription	Dimensions	Demolition Menu Selection	Quantity	UIII	Unit Cost	Total Cost
6 Pillars		12"D x 6'L	Footing, concrete, 1.0 ft. x 2 ft No reinforcing	18.00	LF	\$2.99	\$53.82
Job F	Iours:	4.00	Subtotal (unadjusted):	853.82	(adjust	l Cost ed for ntion):	\$51.40

BULLDOZER WORK

Task description:	Regr	ading Pond	(11)				
: West Side Placer	r	Pern	nit Action:	TR-1		Permit/Job#:	M2016081
PROJECT IDEN	TIFICATION	<u>ON</u>					
Task #: 03A		State:	Colorado			Abbreviation:	None
Date: 11/9/2	2018	County:	Moffat			Filename:	M081-03a
User: ACY		county.	monat			-	111001 034
	organization	name: DR	MS				
			IVIS				
HOURLY EQUI	FWIENT CC	<u> </u>					
Basic Machine:	Cat D8T - 8	BSU					
Horsepower:	310						
Blade Type:	Semi-Unive	ersal					
Attachment:	NA						
Shift Basis:	1 per day						
Data Source:	(CRG)			_			
Cost Breakdown:							
				Uti	lization %		
Ownership Cost/H	our:		\$93.62		NA		
Operating Cost/H			\$73.35		100		
Ripper own. Cost/H			\$0.00		NA		
Ripper op. Cost/H	our:		\$0.00		0		
					37.4		
Operator Cost/Hou Total Unit Cost/Hou Total Fleet Cost/Ho	r: \$208.		\$41.52		NA		
Total unit Cost/Hou Total Fleet Cost/Ho	r: \$208. ur: \$208.		\$41.52		NA		
Total unit Cost/Hou Total Fleet Cost/Ho MATERIAL QU	r: \$208. ur: \$208. ANTITIES		\$41.52		NA		
Total unit Cost/Hou Total Fleet Cost/Ho MATERIAL QU Initial Volume:	r: \$208. ur: \$208. ANTITIES 887		\$41.52		NA		
Total unit Cost/Hou Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor:	r: \$208. ur: \$208. ANTITIES 887 1.060		\$41.52		NA		
Total unit Cost/Hou Total Fleet Cost/Ho MATERIAL QU Initial Volume:	r: \$208. ur: \$208. ANTITIES 887		\$41.52		NA		
Total unit Cost/Hou Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor:	r: \$208.4 ANTITIES 887 1.060 940 LCY volume:	49	 _ _ 93 sqft x 8'	deep	NA		
Total unit Cost/Hou Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated	r: \$208. wr: \$208. **Section 1.060 940 LCY volume: swell factor:	1 pond-29	 _ _ 93 sqft x 8'	deep	NA		
Total unit Cost/Hou Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated	r: \$208. wr: \$208. \$208. ANTITIES 887 1.060 940 LCY volume: swell factor: DUCTION	1 pond-29	 _ _ 93 sqft x 8'	deep	NA		
Total unit Cost/Hou Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD	r: \$208. \$208. **Second Second Seco	1 pond-29 Cat Handb	 93 sqft x 8' oook	deep	NA		
Total unit Cost/Hou Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distant	r: \$208. ur: \$208. **Section 1.060** **Section 2.060** **DUCTION 2.060** **Section 2.060** **DUCTION 2.060** **Section 2.060** **DUCTION 2.060** **Section 2.060** **Duccion 2.060** **Section 2.060** **Duccion 2.	1 pond-29 Cat Handb 50 feet 1,400.0 LCY	 93 sqft x 8' oook				
Total unit Cost/Hou Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distant Unadjusted hourly p	r: \$208. ur: \$208. **Section 1.060 **Section 2.000 **Production: 2.00	1 pond-29 Cat Handt 50 feet 1,400.0 LCY : Partly co	 93 sqft x 8' book				
Total unit Cost/Hou Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distar Unadjusted hourly p Materials consistence Average push gradie	r: \$208. ur: \$208. **Section	1 pond-29 Cat Handt 50 feet 1,400.0 LCY : Partly co	 93 sqft x 8' book				
Total unit Cost/Hou Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distant Unadjusted hourly publication Materials consistence Average push gradie Average site altitude	### ### ##############################	1 pond-29 Cat Handle 50 feet 1,400.0 LCY : Partly confeet	93 sqft x 8' oook //hr onsolidated				
Total unit Cost/Hou Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distant Unadjusted hourly push distant Materials consistence Average push gradie Average site altitude Material weight: Weight description: Job Condition Corre	r: \$208. ur: \$208. **sex \$208. *	1 pond-29 Cat Handle 50 feet 1,400.0 LCY : Partly control feet lbs/LCY and gravel - I	 93 sqft x 8' book //hr onsolidated Ory		.1		
Total unit Cost/Hou Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distant Unadjusted hourly push distant Materials consistence Average push gradie Average site altitude Material weight: Weight description: Job Condition Correct Open	### ### ### ### ### ### ### ### ### ##	1 pond-29 Cat Handle 50 feet 1,400.0 LCY : Partly control feet lbs/LCY and gravel - I	93 sqft x 8' pook 7/hr onsolidated Dry		.1 Source (AVG.)		
Total unit Cost/Hou Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distant Unadjusted hourly publicated Average push gradical Average site altitude Material weight: Weight description: Job Condition Correct Oper Material co	### ### ### ### ### ### ### ### ### ##	1 pond-29 Cat Handb 50 feet 1,400.0 LCY : Partly control feet lbs/LCY and gravel - I 0.7	 93 sqft x 8' book //hr onsolidated Ory		.1		

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.700	(FND-MF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.793	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3801

Adjusted unit production: 532.14 LCY/hr
Adjusted fleet production: 532.14 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.392/LCY

Total job time: 1.77 Hours
Total job cost: \$368

SCRAPER TEAM WORK

Task description:	Overburde	n replacement a	nd grading of mi	ning phases		
Site: West Side Placer		Permit Action:	TR-1	Peri	mit/Job#: <u>M201</u>	6081
PROJECT IDEN						
Task #: 03B		tate: Colorado)		viation: None	021
Date: 11/9/20 User: ACY	<u>018</u> Cot	ınty: <u>Moffat</u>		F1I	ename: M081-	030
	organization name:	DRMS				
HOURLY EQUI	PMENT_		COSTS	hift basis: <u>1 per d</u>	ay	
		Equipm	ent Description			
		craper: Cat 63	7G			
		Dozer: NA	om ogri			
Suppo	ort Equipment -Load Dumi-		8T - 8SU 8T - 8SU			
Road Ma	intenance –Motor (91 050			
-	-Water	Truck: NA				
Cost Breakdown:	Scraper Wor	·k Taam	Support Equi	nment	Maintenance	Equipment
Cost Breakdown.	Scraper Wol	Dozer	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	NA	100	100	NA	NA
Ownership cost/hour:	\$155.61	NA	\$93.62	\$93.62	NA	NA
Operating cost/hour:	\$166.86	NA	\$73.35	\$73.35	NA	NA
%Utilization-ripper:	NA	NA	NA	NA	NA	NA
Ripper own. cost/hour:	NA	NA	\$0.00	\$0.00	NA	NA
Ripper op. cost/hour:	NA	NA	\$0.00	\$0.00	NA	NA
Operator cost/hour:	\$31.05	NA	\$41.52	\$41.52	NA	NA
Unit Subtotals:	\$353.51	NA	\$208.49	\$208.49	NA	NA
Number of Units:	1	0	1	1	0	0
Group Subtotals:	Work:	\$353.51	Support:	\$416.98	Maint:	\$0.00
Total work team cos	t/hour: \$770.49					
MATERIAL QUA	<u>ANTITIES</u>					
Initial volume:	9,999	CCY	Swell fact	tor: 1.000		
Loose volume:	9,999	LCY				
	rce of estimated vo		5' x 600' strips			
Source	of estimated swell f	actor: Cat Har	ndbook			
HOURLY PROD	<u>UCTION</u>					
			Scraper B	owl (volume) Bas	is:	
Material weight:	3,400 lbs/LCY		Struck	Volume: 24.00		CY
Material description:	Sand and gravel -	Wet		Volume: 34.00		CY
Rated Payload: Payload Capacity:	81,600 pounds		Average	Volume: 29.00 Capacity: 24.00		CY CY

Site Altitude: 6225 feet

Cycle Time:

Scraper Loading Time: 0.80 Minutes
Maneuver and Spread Time: 0.60 Minutes

Job Condition Correction:

	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

0.45 minutes Return Time: Total Scraper team cycle time: 2.53 minutes Adjusted for job conditions: 472.41 LCY/Hour Selected Number of Scrapers: Scraper(s) 1 Adjusted single scraper team (unit) hourly production: LCY/Hour 472.41 Adjusted multiple scraper team (fleet) hourly production: 472.41 LCY/Hour

Unadjusted unit production/hour: 569.17 LCY/Hour Optimal Number of Scrapers per push dozer:

JOB TIME AND COST

Fleet size:	1	Team(s)	Total job time:	21.17	Hours
Unit cost:	\$1.631	/LCY	Total job cost:	\$16,308	

SCRAPER TEAM WORK

	Task description:	Topsoil rep	olacemer	nt of mini	ing phases			
Site:	West Side Placer		Permi	t Action:	TR-1	Perr	mit/Job#: M201	6081
	PROJECT IDEN		State: (Colorado		Abbrox	viation: None	
	Date: 04A 11/9/20			Moffat			ename: M081-	04a
	User: ACY	<u> </u>					<u> </u>	<u> </u>
	Agency or o	organization name:	DRM	IS				
	HOURLY EQUIP	PMENT_			COSTSI	hift basis: 1 per d	<u>ay</u>	
					ent Description			
			craper:	Cat 637	'G			
_	Cunno	rt Equipment -Loa	Dozer:	NA Cot Do	T - 8SU			
	Suppo		n Area:		T - 8SU			
	Road Ma	intenance –Motor		NA				
		-Water	Truck:	NA				
	Cost Breakdown:	Scraper Wo	rk Team		Support Equip	nment	Maintenance	Equipment
	COSC DI GUILLO II II	Scraper	Do	zer	Load Area	Dump Area	Motor Grader	Water Truck
%I	Jtilization-machine:	100		NA	100	100	NA	NA
О	wnership cost/hour:	\$155.61		NA	\$93.62	\$93.62	NA	NA
(Operating cost/hour:	\$166.86		NA	\$73.35	\$73.35	NA	NA
Ç	%Utilization-ripper:	NA		NA	NA	NA	NA	NA
Rip	per own. cost/hour:	NA		NA	\$0.00	\$0.00	NA	NA
R	ipper op. cost/hour:	NA		NA	\$0.00	\$0.00	NA	NA
	Operator cost/hour:	\$31.05		NA	\$41.52	\$41.52	NA	NA
	Unit Subtotals:	\$353.51		NA	\$208.49	\$208.49	NA	NA
	Number of Units:	1		0	1	1	0	(
	Group Subtotals:	Work:	\$353	3.51	Support:	\$416.98	Maint:	\$0.00
	Total work team cost MATERIAL QUA							
	Initial volume:	1,389		CCY	Swell fact	tor: 1.000		
	Loose volume:	1,389		LCY	Swell luck	1.000		
	Sou	rce of estimated vo	lume.	10" x 75	' x 600' strips			
		of estimated swell i		Cat Hand				
	HOURLY PROD	<u>UCTION</u>						
					Scraper Bo	owl (volume) Basi	is:	
	Material weight:	3,400 lbs/LCY			Struck '	Volume: 24.00	L	CY
1	Material description:	Sand and gravel	Wet		Heaped '			CY
	Rated Payload:	81,600 pounds 24 00 LCY			Average	Volume: 29.00 Capacity: 24.00		CY CY

Site Altitude: 6225 feet

Cvc	\sim	T	ma
\ .V(.)			1111

Scraper Loading Time: 0.80 Minutes
Maneuver and Spread Time: 0.60 Minutes

Job Condition Correction:

	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

0.45 minutes Return Time: Total Scraper team cycle time: 2.53 minutes Adjusted for job conditions: 472.41 LCY/Hour Selected Number of Scrapers: Scraper(s) 1 Adjusted single scraper team (unit) hourly production: 472.41 LCY/Hour Adjusted multiple scraper team (fleet) hourly production: 472.41 LCY/Hour Unadjusted unit production/hour: 569.17 LCY/Hour

Unadjusted unit production/hour: 569.17 LCY/Hour Optimal Number of Scrapers per push dozer:

JOB TIME AND COST

Fleet size:	1	Team(s)	Total job time:	2.94	Hours
Unit cost:	\$1.631	/LCY	Total job cost:	\$2,265	

BULLDOZER WORK

Task description:	Grad	ing topsoil	in mining pl	nase			
: West Side Place	<u>r</u>	Per	mit Action:	TR-1		Permit/Job#:	M2016081
PROJECT IDEN	TIFICATIO	<u>N</u>					
Task #: 04B		State:	Colorado			Abbreviation:	None
Date: 11/9/2	2018	County:	Moffat			Filename:	M081-04b
User: ACY		county.	TVIOITAL			1 11011411101	111001 010
Agency or	organization r	name: DI	RMS				
HOURLY EQUI							
Basic Machine:	Cat D8T - 88						
Horsepower:	310	30					
Blade Type:	Semi-Univer	rsal					
Attachment:	NA			_			
Shift Basis:	1 per day						
Data Source:	(CRG)						
Cost Breakdown:				1	Itilization 0/		
Ownership Cost/H	our		\$93.62	<u>.</u>	<u>Utilization %</u> NA		
Operating Cost/H			\$73.35		100		
Ripper own. Cost/H			\$0.00		NA		
Ripper own. Cost/H			\$0.00		0		
Operator Cost/H			\$41.52				
Operator Cost/11	.001.		\$41.32		NA		
MATERIAL QU Initial Volume: Swell factor:	695 1.215						
Loose volume:	844 LCY						
Source of estimated Source of estimated		Half of to	ansported an lbook	nount			
HOURLY PROD	<u>UCTION</u>						
Average push distar		200 feet					
Unadjusted hourly p	oroduction: _	491.9 LCY	/hr				
Materials consistence	ey description:	Partly	consolidated	stockpile	e 1.1		
Average push gradic Average site altitude		feet					
Material weight:	1,600	lbs/LCY				_	
Weight description:	Top So	oil					
Job Condition Corre		0	750	1	Source		
	rator Skill:		.750		(AVG.)		
Material co			.100		(CEN.)		
Dozir	ng method:		.000		(GEN.)		
	Visibility:	1	.000		(AVG.)		

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.600	(FND-SF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.5908

Adjusted unit production: 290.61 LCY/hr
Adjusted fleet production: 290.61 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.717/LCY

Total job time: 2.91 Hours
Total job cost: \$606

REVEGETATION WORK

Tas	sk description:	Seed mining phase	es				
: <u> </u>	West Side Placer	Permit Action: TR-1 Permit/Job#:				: M2016081	
PR(OJECT IDENTIFI	CATION					
	Task #: 05A		Colorado		۸hb	reviation:	None
	Date: 11/9/2018		Moffat				M081-05a
	User: ACY	County	Wionat			riichame.	W1001-03a
	Agency or organ	nization name:DRM	1S				
FEF	RTILIZING						
Mat	erials						
I	Description		Units / Acre	Unit	Cost	/ Unit	Cost /Acre
					\$		\$
					Tota	nl Fertilizer Materials Cost/Acre	\$0.00
	Description						¢
							\$
			Total	Fertilizer A	Application	a Cost/Acre	\$0.00
ΓIL	<u>LING</u>						
Ι	Description						Cost /Acre
							\$
				Te	otal Tilling	g Cost/Acre	\$0.00
SEE	EDING						
					Rate –		
S	Seed Mix				PLS	Seeds	Cost /Acre
					LBS /	per SQ.	
					Acre	FT	
I	ndian Ricegrass - Nat	ive			1.85	5.99	\$12.95
(Galleta				2.19	7.99	\$55.39
	Western Wheatgrass -	Arriba			2.76	6.97	\$22.85
	Needle and Thread				3.03	8.00	\$128.78

Globemallow, Scarlet (or copper)

Basin Wildrye - Trailhead

0.25

3.03

13.11

Totals Seed Mix

2.83

12.31

44.09

\$34.69

\$46.69

\$301.34

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

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

NURSERY STOCK PLANTING

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

JOB TIME AND COST

No. of Acres: 1.5 Cost /Acre: \$533.34
Estimated Failure Rate: 40% Cost /Acre*: \$533.34
*Selected Replanting Work Items: SEEDING

Initial Job Cost: \$800.01

Reseeding Job Cost: \$320.00

Total Job Cost: \$1,120

3.00

REVEGETATION WORK

Tas	k description:	Seed roads, pond	and operating are	eas			
: <u>V</u>	Vest Side Placer	Side Placer Permit Action: TR-1 Permit/Job#				e: M2016081	
PRC	DJECT IDENTIFIC	CATION					
-	Гask #: 05B	State:	Colorado		Abb	reviation:	None
	Date: 11/9/2018	County:	Moffat		- -	Filename:	M081-05b
	User: ACY						
	Agency or organi	ization name: DRM	MS				
FER	RTILIZING						
	erials						
D	Description		Units / Acre	Unit	Cost	/ Unit	Cost /Acre
					\$		\$
					Tota	nl Fertilizer Materials Cost/Acre	\$0.00
Appl	lication						
D	Description						Cost /Acre
	•						\$
			Total	Fertilizer A	pplication	1 Cost/Acre	\$0.00
ΓIL	<u>LING</u>						
D	Description						Cost /Acre
							\$
				To	tal Tilling	g Cost/Acre	\$0.00
SEE	DING						
					Rate –		
S	eed Mix				PLS	Seeds per SQ.	Cost /Acre
					LBS / Acre	FT FQ.	
Ir	ndian Ricegrass - Nati	ve			1.85	5.99	\$12.95
	Galleta	· ·			2.19	7.99	\$55.39
	Vestern Wheatgrass - A	Arriba			2.76	6.97	\$22.85
N	leedle and Thread				3.03	8.00	\$128.78

Globemallow, Scarlet (or copper)

Basin Wildrye - Trailhead

0.25

3.03

13.11

Totals Seed Mix

2.83

12.31

44.09

\$34.69

\$46.69

\$301.34

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

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

NURSERY STOCK PLANTING

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

JOB TIME AND COST

No. of Acres:	1	Cost /Acre:	\$533.34
Estimated Failure Rate:	40%	Cost /Acre*:	\$533.34
*Selected Replanting Work Items:	SEEDING		

Initial Job Cost: \$533.34

Reseeding Job Cost: \$213.34

Total Job Cost: \$747

Job Hours: 8.00

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: In	nitial Mobilization	n		
Site: West Side Placer	Perm	it Action: TR-1	Permit/Jo	b#: <u>M2016081</u>
PROJECT IDENTIFICAT	<u> TION</u>			
Task #: 06A	State: (Colorado	Abbreviation:	None
Date: 11/9/2018 User: ACY	County: 1	Moffat	Filename:	M081-06a
Agency or organizati	on name: DRM	S		
EQUIPMENT TRANSPO	RT RIG COST			
			Shift basis:	1 per day
				CRG Data
Truck Tractor De	scription: GEN		AY TRUCK TRACTOR, 6X4, 400 HP (2ND HALF, 2006)	DIESEL POWERED,
Truck Trailer De	scription:		IG GOOSENECK, DROP DEC	K EQUIPMENT
		TR	AILER (25T, 50T, AND 100T)	
Cost Breakdown:				
Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons	
Ownership Cost/Hour:		\$18.37	\$22.33	
Operating Cost/Hour:		\$46.13	\$50.07	
Operator Cost/Hour:		\$27.66	\$27.66	
Helper Cost/Hour:	\$0.00	\$25.39	\$25.39	

NON ROADABLE EQUIPMENT:

Total Unit Cost/Hour:

\$88.67

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/ fleet	Cost/ fleet
_	(TONS)		t		fleet		
Cat 637G	57.28	\$155.61	\$125.45	1	\$281.06	\$125.45	\$250.00
Cat D8T - 8SU	53.08	\$102.55	\$125.45	1	\$228.00	\$125.45	\$250.00
Drill/Broadcast	25.00	\$15.54	\$88.67	1	\$104.21	\$88.67	\$250.00
Seeder with							
Tractor							

\$117.55

\$125.45

Subtotals: \$613.27 \$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.	\$40.03	1	\$40.03	\$40.03

Subtotals:	\$40.03	\$40.03

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:

Total one-way travel distance:

Average Travel Speed:

CRAIG

miles

52.00

mph

Transportation Cycle Time:

	Non-	
	Roadable	Roadable
	Equipment	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:	\$4,604	

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: Se	condary Mobiliza	ation		
e: West Side Placer	Permi	t Action: TR-1	Permit/Jo	bb#: <u>M2016081</u>
PROJECT IDENTIFICAT	<u>'ION</u>			
Task #: 06B Date: 11/9/2018 User: ACY		Colorado Moffat	Abbreviation: Filename:	None M081-06b
Agency or organization	on name: DRM	S		
Truck Tractor Des			Shift basis: Cost Data Source: AY TRUCK TRACTOR, 6X4, 400 HP (2ND HALF, 2006)	1 per day CRG Data DIESEL POWERED,
Truck Trailer Des	scription:	GENERIC FOLDIN	NG GOOSENECK, DROP DEC AILER (25T, 50T, AND 100T	-
Cost Breakdown:				
Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons	
Ownership Cost/Hour:	\$16.63	\$18.37	\$22.33	
Operating Cost/Hour:	\$44.38	\$46.13	\$50.07	
Operator Cost/Hour:	\$27.66	\$27.66	\$27.66	
Helper Cost/Hour:	\$0.00	\$25.39	\$25.39	
Total Unit Cost/Hour:	\$88.67	\$117.55	\$125.45	

NON ROADABLE EQUIPMENT:

Machine Description	Weight/ Unit (TONS)	Owner ship Cost/hr/ unit	Haul Rig Cost/hr/uni t	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Drill/Broadcast Seeder with Tractor	25.00	\$15.54	\$88.67	1	\$104.21	\$88.67	\$250.00

Subtotals: \$104.21 \$88.67 \$250.00

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.	\$40.03	1	\$40.03	\$40.03

Subtotals:	\$40.03	\$40.03

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:

Total one-way travel distance:

Average Travel Speed:

CRAIG

miles

52.00

mph

Transportation Cycle Time:

	Non-	
	Roadable	Roadable
	Equipment	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 cost: 5.78 Hours

Total job cost: \$1,149