COST SUMMARY WORK

Task description:		Post inspection update 10-15-2020					
Site: Valley Vi	ista Pit	Pe	rmit Action:	2020-10	Permit/Jol	o#: <u>M1981229</u>	
	IDENTIFIC	CATION State:	Colorado		Abbreviation:	None	
Date:	10/15/2020	County:	Mesa		Filename:	M229-ACY	
User:	ACY		Mesa		Filename:	M229-AC	Y

TASK LIST (DIRECT COSTS)

Task		Form	Fleet	Task	
1 ask	Description	Used	Size	Hours	Cost
01a	Flatten stockpiles	DOZER	1	23.91	\$7,766
02a	Rip compacted areas	RIPPER	1	53.75	\$18,847
03a	Regrade and rip haul road segment	DOZER	1	5.53	\$1,883
04a	Weed Pre-treatment	REVEGE	1	40.00	\$9,378
05a	Reveg	REVEGE	1	63.43	\$101,454
06a	Initial Mobilization	MOBILIZE	1	2.57	\$2,674
06b	Secondary Mobilization	MOBILIZE	1	2.57	\$1,410
		SUBTO	DTALS:	191.76	\$143,412

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$2,897
Performance bond:	1.05	Total =	\$1,506
Job superintendent:	95.88	Total =	\$6,668
Profit:	10.00	Total =	\$14,341
		TOTAL O & P =	\$25,412
		CONTRACT AMOUNT (direct + $O \& P$) =	\$168,824

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	\$500	Total =	\$500
Engineering work and/or contract/bid preparation:	0.00	Total =	\$0
Reclamation management and/or administration:	5.00	_	\$8,441
		_	
CONTINGENCY:	0.00	Total =	\$0
	TOTAL II	NDIRECT COST =	\$34,354
TOTAL BO	ND AMOUNT (d	lirect + indirect) =	\$177,766

Page 1 of 2

BULLDOZER WORK

Task desc	cription:	-	Flatter	ı stockpile	:5				
: Valley	Vista Pit			Per	mit Action:	2020-10		Permit/Job#:	M1981229
PROJE	CT IDEN	TIFIC	CATIO	N					
Task #				State:	Colorado			Abbreviation:	None
Date		2020		County:	Mesa			Filename:	M229-01a
User		2020		County.	Wiesa		;	i nename.	W1229 01u
					RMS				
	Agency or	organiz	zation na	ime. Di	XIVI5				
HOURL	Y EQUI	PMEN	T COS	<u>ST</u>					
	Machine:		97 - 9S	U					
	sepower:	405							
	de Type:		-Univers	al					
	achment:	NA							
	ift Basis:	1 per	•						
Data	a Source:	(CRC	i)						
Cost Brea	akdown:								
							ation %		
	hip Cost/H				\$156.88		JА		
	ing Cost/H				\$127.87		00		
	vn. Cost/H				\$0.00		IA		
	op. Cost/H				\$0.00		0		
Operat	or Cost/H	our.			\$40.04	Ν	JA		
Total Flee	t Cost/Hour et Cost/Hou	r: 1r:	\$324.78 \$324.78						
Total Flee	t Cost/Hou et Cost/Hou RIAL QU.	r:	\$324.78 <u>FIES</u>						
Total Flee MATER Initial V Swel	t Cost/Hour et Cost/Hou RIAL QU /olume: l factor:	r: 1r: <u>ANTI</u> 10,077 1.165	\$324.78 <u>FIES</u>						
Total Flee MATER Initial V Swel	t Cost/Hou et Cost/Hou RIAL QU /olume:	r: ur: ANTI 10,077	\$324.78 <u>FIES</u>						
Total Flee MATER Initial V Swel Loose v Source of	t Cost/Houret Cost	r: Ir: <u>10,077</u> <u>1.165</u> 11,740 volume	\$324.78 FIES / DLCY	2020 insp	 Dection estim				
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Total Flee MATER Initial V Swel Loose v Source of Source of HOURL Average p Unadjuster Materials Average p	t Cost/Houret Cost	r: Ir: <u>ANTI'</u> <u>10,077</u> <u>1.165</u> <u>11,740</u> volume swell f: <u>UCTI</u> ce: roducti y descr ent:	\$324.78 FIES DLCY CLCY Cactor: On: On: On: On: On: On: On: On: On: On	2020 insp Cat Hand 00 feet ,243.2 LC Consol	 lbook Y/hr	ates			
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Total Flee MATER Initial V Swel Loose v Source of Source of HOURI Average p Unadjuste Materials Average p Average s Material v Weight de Job Cond	t Cost/Houre et Cost/Houre (Cost/Houre (Cost/Houre) (Cost/Houre) (Cost/Houre) (Cost (Cost/Cost) (Cos	II III III III 10,077 III 11,05 III,740 volume swell fa WOLUTH III ce: roducti y descr III ent: III III IIII IIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	\$324.78 FIES TIES TOUS TOUS TOUS TOUS TOUS TOUS TOUS TOU	2020 insp Cat Hand 00 feet ,243.2 LC 	Y/hr lidated stockp 	ates oile 1.0	Source		
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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:	0.793	(CAT HB)
Blade type:	1.000	(PAT)
Net correction:	0.2962	
Adjusted unit production: 3	68.24 LCY/hr	
Adjusted fleet production: 3	68.24 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$0.882/LCY

Total job time:	31.88 Hours
Total job cost:	\$10,354

BULLDOZER RIPPING WORK

	Task description	Rip com	pacted areas				
Site	: Valley Vista I	Pit	Permit Action:	2020-10	Permit/Jo	b#: <u>M1981229</u>	1
	PROJECT ID	ENTIFICATION					
	Task #: 02		State: Colorado		Abbreviatio		
	Date: 10, User: AC		County: <u>Mesa</u>		Filenam	e: <u>M229-02a</u>	
	Agency	or organization nan	ne: DRMS				
	HOURLY EQ	UIPMENT COST	<u>[</u>				
	Basic Ripper Att		T - 9SU k Ripper		Horsepower: Shift Basis: Data Source:	405 1 per day (CRG)	_
	Cost Breakdown	:					
		_			Utilization %		
		Ownership Cost/I		\$156.88	NA		
	Dinn	Operating Cost/H er Ownership Cost/H		\$127.87 \$15.59	100 NA		
		per Operating Cost/H		\$13.39	<u>100</u>		
	Kip	Operator Cost/I		\$40.04	NA		
		Total Unit Cost/H		\$350.60			
		Total Fleet Cost/H	Hour: \$350	.60			
	MATERIAL (QUANTITIES	Sele	cted estimating	method: Area		
	Alternate Method						
eismic:	NA		Bank Volume:	NA	BCY	NA	
Area:	34.00	acres	Rip Depth (ft):	1.00	Volume: 54,853		CY or CO
		Source of estimate	d quantity: Staff es	timates of pit fl	loor		
	HOURLY PR		1	I			_
		obechion					
	Seismic:	Seis	mic Velocity:	NA	feet/second		
		5615		INA			
	Area:			2.62	6 /		
			ipping Depth: pping Width:	2.63 7.67	feet/pass feet/pass		
			pping whath.	100.00	feet/pass		
			Dozer Speed:	88.00	feet/minute		
			neuver Time:	0.25	minutes/pass		
			per unit area:	0.762	acres/hour		
	Job Condition Co	orrection Factors					
	Ur	nadjusted Hourly Un	it Production:	0.762	Acres/hr		
			Site Altitude:	4,980	feet		
			Altitude Adj:	1.00	(CAT HB)		
			b Efficiency:	0.83	(1 shift/day)		
		N	et Correction:	0.83	multiplier		
			rly Unit Production: rly Fleet Production:	0.63 0.63	Acres/hr Acres/hr		
	JOB TIME AN	ND COST					
	Fleet size:		rader(s)	Total job tim	e: 53.76	Hours	5
	Unit cost:	\$554.309 P	er acre	Total job cos	st: \$18,847		

BULLDOZER WORK

Task description:	Regrade and rip	liaui i vau s	egment		
Valley Vista Pit	Perr	mit Action:	2020-10	Permit/Job#:	M1981229
PROJECT IDENTIF	TICATION				
Task #: 03A	State:	Colorado		Abbreviation:	None
Date: $10/15/2020$		Mesa		Filename:	M229-03a
User: ACY					
Agency or orga	nization name: DR	MS			
HOURLY EQUIPM	<u>ENT COST</u>				
Basic Machine: Ca	tt D9T - 9SU				
Horsepower: 40					
• 1	mi-Universal				
	shank ripper				
	ber day				
Data Source: (C	RG)				
Cost Breakdown:					
_			Utilization %		
Ownership Cost/Hour:		\$156.88	NA		
Operating Cost/Hour:		\$127.87	100		
Ripper own. Cost/Hour:		\$15.59	NA		
		\$0.00	0		
Ripper op. Cost/Hour:			-		
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN	\$340.37 \$340.37	\$40.04	NA		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUAN</u> Initial Volume:3,32	\$340.37 FITIES 20		NA		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUAN</u> ? Initial Volume: <u>3,32</u> Swell factor: <u>1.00</u>	\$340.37 FITIES 20		NA		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUAN</u> Initial Volume: 3,32 Swell factor: 1.00 Loose volume: 3,32	\$340.37 FITIES 20 00 20 LCY	\$40.04			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUAN</u> ? Initial Volume: 3,32 Swell factor: 1.00 Loose volume: 3,32 Source of estimated volu	\$340.37 <u>FITIES</u> 20 00 20 LCY Ime:Assume 1	\$40.04 .03 ac @ 2 f			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUAN</u> Initial Volume: 3,32 Swell factor: 1.00 Loose volume: 3,32	\$340.37 <u>FITIES</u> 20 20 20 20 LCY ume:Assume 1	\$40.04 .03 ac @ 2 f			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 3,32 Swell factor: 1.00 Loose volume: 3,32 Source of estimated volu Source of estimated swel	\$340.37 FITIES 20 20 20 LCY ume: Assume 1 If factor: Cat Handle	\$40.04 .03 ac @ 2 f			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 3,32 Swell factor: 1.00 Loose volume: 3,32 Source of estimated volu Source of estimated swel HOURLY PRODUC	\$340.37 FITIES 20 20 20 20 LCY Ime: Assume 1 Il factor: Cat Handl TION	\$40.04 .03 ac @ 2 f			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 3,32 Swell factor: 1.00 Loose volume: 3,32 Source of estimated volu Source of estimated volu Source of estimated swel HOURLY PRODUC Average push distance:	\$340.37 ITTIES 20 20 <td>\$40.04</td> <td></td> <td></td> <td></td>	\$40.04			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 3,32 Swell factor: 1.00 Loose volume: 3,32 Source of estimated volu Source of estimated swel HOURLY PRODUC	\$340.37 ITTIES 20 20 <td>\$40.04</td> <td></td> <td></td> <td></td>	\$40.04			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 3,32 Swell factor: 1.00 Loose volume: 3,32 Source of estimated volu Source of estimated volu Source of estimated swel HOURLY PRODUC Average push distance:	\$340.37 FITIES 20 20 20 LCY ume: Assume 1 11 factor: Cat Handle TION action: 50 feet action: 2,110.5 LCY	\$40.04 			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUAN</u> ? Initial Volume: 3,32 Swell factor: 1.00 Loose volume: 3,32 Source of estimated volu Source of estimated volu Source of estimated swel <u>HOURLY PRODUC</u> Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient:	\$340.37 FITIES 20 20	\$40.04 			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUAN</u> Initial Volume: 3,32 Swell factor: 1.00 Loose volume: 3,32 Source of estimated volu Source of estimated volu Source of estimated swel <u>HOURLY PRODUC</u> Average push distance: Unadjusted hourly produ Materials consistency de	\$340.37 FITIES 20	\$40.04 			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUAN</u> ? Initial Volume: 3,32 Swell factor: 1.00 Loose volume: 3,32 Source of estimated volu Source of estimated volu Source of estimated swel <u>HOURLY PRODUC</u> Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient:	\$340.37 FITIES 20 20	\$40.04 			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANY Initial Volume: 3,32 Swell factor: 1.00 Loose volume: 3,32 Source of estimated volu Source of estimated volu Source of estimated swel HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude:	\$340.37 FITIES 20 20	\$40.04 	ft mbankment 0.9		
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Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANY Initial Volume: 3,32 Swell factor: 1.00 Loose volume: 3,32 Source of estimated volu Source of estimated volu Source of estimated swel HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operator	\$340.37 ITTIES 20 LCY Assume 1 Cat Handle TION scription:	\$40.04 	ft mbankment 0.9 , 50% Earth <u>Source</u> (AVG.)		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANY Initial Volume: 3,32 Swell factor: 1.00 Loose volume: 3,32 Source of estimated volu Source of estimated volu Source of estimated swel HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operator Material consist	\$340.37 FITIES 20 LCY Scription:	\$40.04 \$40.04 .03 ac @ 2 f book Y/hr cted fill or en - 50% Rock, 750 900	ft		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANY Initial Volume: 3,32 Swell factor: 1.00 Loose volume: 3,32 Source of estimated volu Source of estimated volu Source of estimated swel HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operator Material consis Dozing mage	\$340.37 FITIES 20	\$40.04 	ft mbankment 0.9 , 50% Earth <u>Source</u> (AVG.)		

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.793	(CAT HB)
Blade type:	1.000	(PAT)
Net correction:	0.2843	
Adjusted unit production: 60	00.02 LCY/hr	
Adjusted fleet production: 60	0.02 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$0.567/LCY

Total job time:	5.53 Hours
Total job cost:	\$1,883

REVEGETATION WORK

Task descri	ption:	Weed Pre-treatment			
e: Valley V	'ista Pit	Permit Action:	2020-10	Permit/Job	#: <u>M1981229</u>
	IDENTIFIC				
	04A	State: Colorado		Abbreviation:	None
Task #:	-				
Task #: Date:	10/15/2020	County: Mesa		Filename:	M229-04a

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
			\$
Totals Seed Mix	0.00	0.00	\$0.00

Application

Description	Cost /Acre
	\$

Total Seed Application Cost/Acre\$0.00

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$2.92	\$2.92
Herbicide - Curtail @ 4.0 pt/ac	1.00	ACRE	\$7.63	\$7.63
Herbicide - Glyphosate (Journey)@ 1.0 pt/ac	1.00	ACRE	\$4.16	\$4.16
Herbicide - Plateau @ 1.0 pt/ac	1.00	ACRE	\$10.11	\$10.11
Total Mulch Materials Cost/Acre				\$24.82

Application

Description		Cost /Acre
Weed spray, hand, non-aquatic areas, ann. [DMG]		\$119.47
Weed spray, truck, non-aquatic area, nox. [DMG]		\$62.72
	Total Mulch Application Cost/Acre	\$182.19

NURSERY STOCK PLANTING

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

No. of Acres:	45.3	Cost /Acre:	\$207.01
Estimated Failure Rate:	0%	Cost /Acre*:	\$0.00
*Selected Replanting Work Items:	NONE		

Initial Job Cost:	\$9,377.55
Reseeding Job Cost:	\$0.00
Total Job Cost:	\$9,378
Job Hours:	40.00

REVEGETATION WORK

Task descri	ption:	Reveg			
Site: Valley Vista Pit		Permit Action: 2020-10		Permit/Job#:	M1981229
PROJECT Task #:	IDENTIFIC 05A	ATION State: Colorado		Abbreviation: N	lone
Date: User:	10/15/2020 ACY	County: Mesa			1229-05a
Ag	ency or organiz	ation name: DRMS			

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
6-24-24, 10-20-10, 15-15-15	250.00	pound	\$0.27	\$66.25
			Total Fertilizer Materials Cost/Acre	\$66.25

Application

Description		Cost /Acre
Tractor towed spreader (MEANS 32 01 90.13 0120)		\$37.03
	Total Fertilizer Application Cost/Acre	\$37.03

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$107.16
Weed control spraying (MEANS 31 31 16.13 3100)	\$193.60
Total Tilling Cost/Acre	\$300.76

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Paloma	4.60	14.89	\$51.18
Sand Dropseed	0.20	23.88	\$1.95
Crested Wheatgrass - Nordan	1.80	8.26	\$7.02
Pubescent Wheatgrass - Luna	2.80	5.79	\$9.52
Saltbush, Shadscale	4.00	5.97	\$40.00
Totals Seed Mix	13.40	58.78	\$109.67

Application

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

MULCHING and MISCELLANEOUS

Materials

	Units /			
Description	Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$2.92	\$2.92
Herbicide - Glyphosate (Journey)@ 1.0 pt/ac	1.00	ACRE	\$4.16	\$4.16
Herbicide - Plateau @ 1.0 pt/ac	1.00	ACRE	\$10.11	\$10.11
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$301.00	\$602.00
Total Mulch Materials Cost/Acre				\$619.19

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$70.17
Power mulcher (MEANS 32 91 13.16 0350)		\$101.93
Weed spray, truck, non-aquatic area, nox. [DMG]		\$62.72
Tota	al Mulch Application Cost/Acre	\$234.82

NURSERY STOCK PLANTING

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

	No. of Acres:	45.3	Cost /Acre:	\$1,599.72
Estimate	ed Failure Rate:	40%	Cost /Acre*:	\$1,599.72
*Selected Replanti	ng Work Items:	FERTILIZING,TII	LING,SEEDING,MU	
		LCHING		
Initial Job Cost:	\$72,467.32			
Reseeding Job Cost:	\$28,986.93			
Total Job Cost:	\$101,454			
Job Hours:	63.43			

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Description Unit (TONS) Cost/hr/ unit t Cost/hr/unit t Cost/hr/unit Size Cost/hr/ fleet Cost/hr/	Task description	n: <u>Ini</u> t	tial Mobilization					
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Valley Vista	Pit	Permit	Action: _2020	-10]	Permit/Job#: <u>N</u>	11981229
Date: $10/15/2020$ ACYCounty:MesaFilename: $M229-06a$ Agency or organization name:DRMSEQUIPMENT TRANSPORT RIG COSTShift basis:1 per day Cost Data Source:CRG DataTruck Tractor Description:GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWERED, 400 HP (2ND HALF, 2006)Truck Trailer Description:GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWERED, 400 HP (2ND HALF, 2006)Truck Trailer Description:GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT TRAILER (25T, 50T, AND 100T)Cost Breakdown:Available Rig Capacities0-25 Tons26-50 Tons51+ Tons 388.69Ownership Cost/Hour:\$21.7.20\$29.63\$38.69Operator Cost/Hour:\$22.56\$47.02\$55.69Operator Cost/Hour:\$20.63\$23.83\$23.63Helper Cost/Hour:\$67.39\$123.81\$141.54NON ROADABLE EOUIPMENT:Machine DescriptionWeight/ Unit (TONS)Owner ship Cost/hr/unit <b< td=""><td>PROJECT IDI</td><td>ENTIFICATI</td><td><u>ON</u></td><td></td><td></td><td></td><td></td><td></td></b<>	PROJECT IDI	ENTIFICATI	<u>ON</u>					
User: \overrightarrow{ACY} Agency or organization name:DRMSEQUIPMENT TRANSPORT RIG COSTShift basis:1 per day Cost Data Source:Cost Data Source:Truck Tractor Description:GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWERED, 400 HP (2ND HALF, 2006)Truck Trailer Description:GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT TRAILER (25T, 50T, AND 100T)Cost Breakdown:Available Rig Capacities0-25 Tons26-50 Tons51+ Tons S38.69 Operator Cost/Hour:Statistic ScienceStatistic Statistic Sta	Task #: 06	6A	State: Co	olorado		Abbre	eviation: None	
EQUIPMENT TRANSPORT RIG COSTShift basis: $1 \text{ per day} Cost Data Source: \overline{CRG Data}Truck Tractor Description: GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWERED, 400 HP (2ND HALF, 2006)Truck Trailer Description: GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT TRAILER (2ST, 50T, AND 100T)Cost Breakdown:Available Rig Capacities0-25 Tons26-50 Tons51+ TonsOwnership Cost/Hour:$17.20$29.63$38.69Operator Cost/Hour:$17.20$29.63$32.63Ownership Cost/Hour:$23.63$23.63$23.63Operator Cost/Hour:$26.56$47.02$55.69Operator Cost/Hour:$23.63$23.63$23.63Total Unit Cost/Hour:$67.39$123.81$141.54MachineWeight/Owner shipHaul RigCost/hr/uniCost/hr/fleetCost/hr/fleetDott Port PortMachineWeight/Unit(TONS)Owner shipCost/hr/unitFleetCost/hr/fleetDott for Site Cost/hr/Site Cost/hr/Cost/hr/DOT PermitCost/hr/Develope Cost/Hour:$67.39$123.81$141.54Site Cost/hr/Cost/hr/fleetCost/hr/Cost/hr/Dott PermitCost/hr/$			County: Mo	esa		Fi	lename: M22	9-06a
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$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	EQUIPMENT	TRANSPOR	<u>T RIG COST</u>					
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Machine DescriptionWeight/ Unit (TONS)Owner ship Cost/hr/ unitHaul Rig Cost/hr/unitFleet SizeHaul Trip Cost/hr/ fleetReturn Trip Cost/hr/ fleetDOT Permit Cost/fleetCat D9T - 9SU65.36\$174.78\$141.541\$316.32\$141.54\$250.00Drill/Broadcast Seeder with Tractor25.00\$6.72\$67.391\$74.11\$67.39\$250.00Power Mulcher (Bowie LD-90)6.00\$11.19\$67.391\$78.58\$67.39\$250.00								
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Description Unit (TONS) Cost/hr/ unit t Cost/hr/ unit t Size Cost/hr/ fleet Cost/hr/ fleet Cost/fleet Cat D9T - 9SU 65.36 \$174.78 \$141.54 1 \$316.32 \$141.54 \$250.00 Drill/Broadcast Seeder with Tractor 25.00 \$6.72 \$67.39 1 \$74.11 \$67.39 \$250.00 Power Mulcher (Bowie LD-90) 6.00 \$11.19 \$67.39 1 \$78.58 \$67.39 \$250.00	Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip		DOT Permit
(TONS) t fleet Cat D9T - 9SU 65.36 \$174.78 \$141.54 1 \$316.32 \$141.54 \$250.00 Drill/Broadcast 25.00 \$6.72 \$67.39 1 \$74.11 \$67.39 \$250.00 Seeder with Tractor - - - - - - Power Mulcher 6.00 \$11.19 \$67.39 1 \$78.58 \$67.39 \$250.00								Cost/ fleet
Cat D9T - 9SU 65.36 \$174.78 \$141.54 1 \$316.32 \$141.54 \$250.00 Drill/Broadcast 25.00 \$6.72 \$67.39 1 \$74.11 \$67.39 \$250.00 Seeder with Tractor * <	L			t		fleet		
Drill/Broadcast Seeder with Tractor 25.00 \$6.72 \$67.39 1 \$74.11 \$67.39 \$250.00 Power Mulcher (Bowie LD-90) 6.00 \$11.19 \$67.39 1 \$78.58 \$67.39 \$250.00			\$174.78	\$141.54	1		\$141.54	\$250.00
(Bowie LD-90)	Seeder with	25.00	\$6.72		1	\$74.11	\$67.39	\$250.00
Subtotalor \$460.01 \$276.22 \$750.00		6.00	\$11.19	\$67.39	1	\$78.58	\$67.39	\$250.00
					Subtotals:	\$469.01	\$276.32	\$750.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Flatbed Truck, 4x2, 15K GVW	\$79.68	1	\$79.68	\$79.68
		Subtotals:	\$79.68	\$79.68

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: Total one-way travel distance: Average Travel Speed:	GRAND JUNCTION 5.00 35.00	miles mph
Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig:	\$2,650.97	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$22.77	_

Transportation Cycle Time:

	Non- Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.14	0.14
Return Time (Hours):	0.14	0.14
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.29	0.29

JOB TIME AND COST

Total job time: 2.57 Hours

Total job cost: \$2,674

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description:	Sec	ondary Mobilizat	.1011				
e: Valley Vista Pit		Permit	Permit Action: 2020-1		10 Permit/Job#: M19		M1981229
PROJECT IDE	NTIFICATI	<u>ON</u>					
Task #: 061	3	State: Co	olorado		Abbre	viation: Non	e
Date: 10/ User: AC	15/2020 CY	County: Mo	esa		Fi	lename: M22	29-06b
Agency	or organizatior	name: DRMS					
QUIPMENT 1	FRANSPOR	T RIG COST					
				C	Shift ba Cost Data Sour		
Trucl	C Tractor Desc	ription: GENE	RIC ON-HIGH		CK TRACTO (2ND HALF,		EL POWERED,
Truc	k Trailer Desc	ription: G	ENERIC FOLD	ING GOO	· ·	OP DECK EQ	UIPMENT
Cost Breakdown:						,	
Available Rig C	anacities	0-25 Tons	26-50 Tons	51+	Tons		
	Cost/Hour:	\$17.20	\$29.63		8.69		
	g Cost/Hour:	\$26.56	\$47.02		5.69		
	r Cost/Hour:	\$23.63	\$23.63				
				$\varphi \Delta$	3.63		
	r Cost/Hour:	\$0.00	\$23.53		3.63 3.53		
Total Uni	t Cost/Hour:	\$0.00 \$67.39		\$2			
Total Uni	t Cost/Hour:	\$67.39	\$23.53	\$2	3.53		
	t Cost/Hour:	\$67.39 MENT:	\$23.53 \$123.81	\$2	3.53 41.54	Return Trip	DOT Permit
NON ROADAB Machine Description	t Cost/Hour:	\$67.39	\$23.53	\$2 \$14	3.53	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
NON ROADAB Machine	t Cost/Hour: LE EQUIPN Weight/ Unit	\$67.39 IENT: Owner ship	\$23.53 \$123.81 Haul Rig Cost/hr/uni	\$2 \$14 Fleet	3.53 11.54 Haul Trip Cost/hr/		
NON ROADAB Machine Description Drill/Broadcast Seeder with	t Cost/Hour: LE EQUIPN Weight/ Unit (TONS)	\$67.39 MENT: Owner ship Cost/hr/ unit	\$23.53 \$123.81 Haul Rig Cost/hr/uni t	\$2 \$14 Fleet Size	3.53 11.54 Haul Trip Cost/hr/ fleet	Cost/hr/ fleet	Cost/ fleet

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Flatbed Truck, 4x2, 15K GVW	\$79.68	1	\$79.68	\$79.68
		Subtotals:	\$79.68	\$79.68

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: Total one-way travel distance: Average Travel Speed:	GRAND JUNCTION 5.00 35.00	miles mph
Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig:	\$1,387.51	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$22.77	_

Transportation Cycle Time:

Haul Time (Hours): Return Time (Hours): Loading Time (Hours): Unloading Time (Hours):	Non- Roadable Equipment 0.14 0.14 0.50 0.50	Roadable Equipment 0.14 0.14 NA NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.29	0.29

JOB TIME AND COST

Total job time: 2.57 Hours

Total job cost: \$1,410



1313 Sherman Street, Room 215 Denver, CO 80203

October 19, 2020

RE: Valley Vista Pit, Permit No. M-1981-229, 2020-10 Reclamation Cost Estimate

Dear Mr. Parkerson:

This reclamation cost update was in response a previous site inspection conducted on October 15, 2020. There have been no surety increases since the SI-2 in 2008. It is Division policy to periodically update its costs to ensure that the Financial Warranty adequately, reflects the actual current cost of fulfilling the requirements of the approved reclamation plan.

Below is a table summarizing input values that have been updated in this 2020-10 Calculation as compared to SI-2 in 2008. This table does not account for price changes resulting from inflation or other RS Means cost changes. Bond calculations are based on a combination of field observations and worst case scenario based on the approved reclamation permit.

Task	Form Used	Change	Justification
01a/ NA	Dozer	-	Removed - All highwalls have been regraded to 3H: 1V or less
02a/ 01a	Dozer	-/+	 2008: 10,999 LCY (6.26 ac of a 10 ac phase 1 ft depth) w/ 50 ft push 2020: 10,077, CCY Total - 6,300 CCY (Approx. 17,000 sqft of stockpiles, avg 10 ft high) and 3,777 CCY (approx. 34,000 sqft of import stockpiles, ave 3 ft high) w/ 100 ft push to better blend
03a/ 02a	Dozer/ Ripper	+	2008: 8.51 ac @ 1 ft - One phase 2020: 34 ac @ 1 ft - Current pit floor
04a/ 03a	Dozer		No Changes



05a/ NA	Scrapper	-	Removed - No topsoil available on site to be replaced
06a/ NA	Scrapper	-	Removed - No topsoil available on site to be replaced
NA/ 04a	Reveg	+	Added - Pretreatment of weeds prior to beginning reveg work for all 45.3 ac affected to date
07a and 08a/ 05a	Reveg	+	 2008: 22.06 ac reveg of flat areas using drill seed, 7.48 ac reveg of slopes using broadcast seed @ double drill rate 2020: Updated acreages to all 45.3 ac affected to date using drill seed. Added weed tilling task. Added herbicide weed spraying
09a/ 06a	Mob	-/+	Removed-Scrapper since no longer needed Added-Power mulcher used for reveg task
10a/ 06b	Mob	-/+	Added-Power mulcher used for reveg task
Indirect (Costs		No Changes

Please feel free to contact me with any further questions. 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 303-866-3567 Ext 8183 or via email at amy.yeldell@ state.co.us

Sincerely,

Amy Geldell

Amy Yeldell Environmental Protection Specialist

Ec: Travis Marshall, Senior EPS, Grand Junction DRMS Greg Monger