

1313 Sherman St. Room 215 Denver, CO 80203

May 10, 2021

Mr. Eric Frei Flag Resources Inc 1412 CR 311 New Castle, CO 81641

Re: Silt Pit, Permit No. M-1981-202-SG, Financial Warranty Increase, Revision No. SI-2

Dear Mr. Frei:

On May 10, 2021 the Division of Reclamation, Mining and Safety increased the current Financial Warranty for this permit to \$337,611.00, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of \$73,401.00.

The Division ordered amendment of the current Financial Warranty, or submittal of a new Financial Warranty reflecting the increase, within 60 days from the date of this letter, <u>Friday July 9, 2021</u>. If you wish to submit a different type of Financial Warranty, please contact me such that I may send you the applicable form.

If you have any questions, please contact me.

Sincerely,

Amy C. Yeldell

Environmental Protection Specialist

cc: Sara M. Stevenson-Benn, DRMS

M-FW-14



COST SUMMARY WORK

Task descri	ption:	Post Inspection	Update 2021			
Site: Silt Pit		Pe	rmit Action:	2021-03	Permit/Jol	o#: _M1981202SG
PROJECT	IDENTIFIC	<u>CATION</u>				
Task #:	ACY	State:	Colorado		Abbreviation:	None
Date:	3/29/2021	County:	Garfield		Filename:	M202-ACY
User:	ACY					

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Demo/Removal of Structures	DEMOLISH	1	16.00	\$8,068
02a	Dewatering of east lake to allow for grading	PUMPING	1	369.81	\$49,733
03a	Reduce North Highwall to 3:1 Slope	DOZER	2	1.59	\$856
03b	Reduce South Highwall to 3:1 Slope	DOZER	2	6.18	\$3,318
03c	Reduce sediment pond and dike Highwall to 3:1	DOZER	2	3.18	\$1,707
	Slope				
04a	Rip compacted areas	GRADER	1	21.56	\$3,508
05a	Topsoil North Highwall area	DOZER	2	2.80	\$1,384
05b	Topsoil remaining areas	SCRAPER1	2	62.06	\$56,081
05c	Finish grading topsoiled areas	GRADER	1	28.01	\$4,298
06a	Reveg all disturbed areas not to be pond	REVEGE	1	65.00	\$96,578
07a	Initial Mobilization	MOBILIZE	1	2.65	\$7,027
07b	Secondary Mobilization	MOBILIZE	1	2.65	\$1,416
10a	Backfill feed lot	DOZER	2	53.84	\$28,907
10b	Grading topsoiled areas	GRADER	1	3.63	\$557
10c	Reveg feed lot	REVEGE	1	16.00	\$11,589
		SUBTO	TALS:	654.96	\$275,027

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:2.02Total =\$5,556Performance bond:1.05Total =\$2,888Job superintendent:145.00Total =\$10,085

Profit: 10.00 Total = $\frac{$10,005}{$27,503}$

TOTAL O & $P = \sqrt{\$46,031}$

CONTRACT AMOUNT (direct + O & P) = $\sqrt{321,058}$

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$500 Total = \$500

Engineering work and/or contract/bid preparation: Reclamation management and/or administration: 5.00 \$16,053

CONTINGENCY: 0.00 Total = \$0

TOTAL INDIRECT COST = \$62,584

TOTAL BOND AMOUNT (direct + indirect) = \$337,611

DEMOLITION WORK

Demo/Removal of Structures

Task description:

Site: Silt Pit		Permit Action: 2021-	03	Pe	ermit/Job#: _	M1981202SG
PROJECT IDENTI	FICATION					
Task #: 01A Date: 3/29/2021 User: ACY Agency		State: Colorado unty: Garfield ne: DRMS		Abbreviat Filena		-01a
UNIT COSTS				Location	adjustment:	95.50 %
Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Fuel Containment	30' x 20' x 3'	Floor, concrete, demolition only, average reinforcing - 6 in. thick	900.00	SF	\$0.80	\$720.00
Push cement into pit	5400 cf	Load/haul/dump demolished materials/debris into pit - Max. 1,000 ft. haul	200.00	CY	\$0.71	\$142.20
Remove Metal Debris	20' x 10' x 20	Loading and 5 mile haul, salvage allowed - Steel frame structures	148.00	CY	\$10.65	\$1,576.20
Batch Plant Pad	5300 sf	Demo. and on-site disposal in existing pit, 8 in. thick - Max. 200 ft. push	5,300.00	SF	\$1.13	\$6,010.20
Job Hours:	16.00	Subtotal (unadjusted): \$8,	448.60	(adj	otal Cost usted for ocation):	\$8,068.41

PUMPING WORK

Site Site Permit Action: 2021-03 Permit/Job#: M19812028
Task #: 02A
Date: 3/29/2021 County: Garfield Filename: M202-02a
Make and Model:
Description Quantity
Description Quantity
Make and Model: Submersible pump - 460v, 8 in. 4 Attachment 1: Suction hose - 6 in. diam., 25 ft. 8 Attachment 2: Discharge hose - 6 in. D., 25 ft. 8 Labor Unit 1: Pump operator 1 Horsepower: 95 Shift Basis: 1 per day Weight: 0.70 (US Tons) (US Tons) Cost Breakdown: Ownership Cost/Hour: \$49.04 NA Operating Cost/Hour: \$57.76 100 100 Operator Cost/Hour: \$27.68 NA NA Total Unit Cost/Hour: \$134.48 \$134.48 PUMPING QUANTITIES Initial Pond Volume: Final Pond Volume: 264,004,139.92 gallons Total Pond Inflow Surface Area: 46,000 Sq. ft. gph/sq. ft.: 0.17 Total Pond Inflow Volume
Attachment 1:
Attachment 2:
Labor Unit 1: Pump operator 1
Shift Basis: 1 per day
Shift Basis: 1 per day
Weight: 0.70
Cost Breakdown: Ownership Cost/Hour: \$49.04 NA Operating Cost/Hour: \$57.76 100 Operator Cost/Hour: \$27.68 NA Total Unit Cost/Hour: \$134.48 PUMPING QUANTITIES Initial Pond Volume: 810.20 Conversion factor: 325850. Final Pond Volume: 264,004,139.92 gallons Unit inflow rate in gph/sq. ft.: 0.17. Total Pond Inflow Volume 46,000 Sq. ft. gph/sq. ft.: 0.17.
Ownership Cost/Hour:
Ownership Cost/Hour: \$49.04 NA Operating Cost/Hour: \$57.76 100 Operator Cost/Hour: \$27.68 NA Total Unit Cost/Hour: \$134.48 PUMPING QUANTITIES Initial Pond Volume: 810.20 Conversion factor: 325850. Final Pond Volume: 264,004,139.92 gallons Unit inflow rate in gph/sq. ft.: 0.175 Total Pond Inflow Volume 46,000 Sq. ft. gph/sq. ft.: 0.175
Operating Cost/Hour: \$57.76 100 Operator Cost/Hour: \$27.68 NA Total Unit Cost/Hour: \$134.48 Total Fleet Cost/Hour: \$134.48 PUMPING QUANTITIES Initial Pond Volume: 810.20 Conversion factor: 325850. Final Pond Volume: 264,004,139.92 gallons Total Pond Inflow Surface Unit inflow rate in gph/sq. ft.: 0.175 Total Pond Inflow Volume 46,000 Sq. ft. gph/sq. ft.: 0.175
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Total Unit Cost/Hour: \$134.48 Total Fleet Cost/Hour: \$134.48 PUMPING QUANTITIES Initial Pond Volume: 810.20 Conversion factor: 325850. Final Pond Volume: 264,004,139.92 gallons Total Pond Inflow Surface Area: 46,000 Sq. ft. gph/sq. ft.: 0.17: Total Pond Inflow Volume
Total Fleet Cost/Hour: \$134.48 PUMPING QUANTITIES Initial Pond Volume: 810.20 Conversion factor: 325850. Final Pond Volume: 264,004,139.92 gallons Total Pond Inflow Surface Area: 46,000 Sq. ft. gph/sq. ft.: 0.17. Total Pond Inflow Volume
PUMPING QUANTITIES Initial Pond Volume: 810.20 Conversion factor: 325850. Final Pond Volume: 264,004,139.92 gallons Total Pond Inflow Surface Area: 46,000 Sq. ft. gph/sq. ft.: 0.17. Total Pond Inflow Volume
Initial Pond Volume: Final Pond Volume: Total Pond Inflow Surface Area: Total Pond Inflow Volume Sq. ft. Conversion factor: 325850 Unit inflow rate in gph/sq. ft.: 0.17:
Final Pond Volume: Total Pond Inflow Surface Area: Total Pond Inflow Volume Area: 46,000 Sq. ft. gallons Unit inflow rate in gph/sq. ft.: 9,175
Final Pond Volume: Total Pond Inflow Surface Area: Total Pond Inflow Volume 46,000 Sq. ft. gallons Unit inflow rate in gph/sq. ft.: 0.17:
Total Pond Inflow Surface Area: 46,000 Sq. ft. Unit inflow rate in gph/sq. ft.: 0.17:
Area: 46,000 Sq. ft. gph/sq. ft.: 0.175
per Hour: 8,086.80 gallons
Source of estimated volume: 40.51 ac pond 20'D, 2300 lft adjacent to river
PUMPING TIME
Maximum Pump Capacity: 170,000 gph/pump
Estimated Suction Head: 15 feet Estimated Discharge Head: 15 feet
Total Head: 30 feet
CPB Pump Capacity: 165,600 gph/pump
Site Altitude: 5,440 feet
Adjusted Pumping Capacity: 662,400 gph
Initial Unadjusted Pumping Time: 398.56 hours
initial Unaujusted Fulliping Time. 376.30 hours
Inflow during Initial Pumping: 3,223,051 gallons
Inflow during Initial Pumping: 3,223,051 gallons Net Unadjusted Pumping Time: 403.42 Hours
Inflow during Initial Pumping: Net Unadjusted Pumping Time: Altitude Adjustment Factor: 3,223,051 403.42 Hours (3% rule)
Inflow during Initial Pumping: Net Unadjusted Pumping Time: Altitude Adjustment Factor: Pump Efficiency Factor: 3,223,051 403.42 Hours (3% rule) (55 min./hr.)
Inflow during Initial Pumping: Net Unadjusted Pumping Time: Altitude Adjustment Factor: 3,223,051 gallons Hours (3% rule)
Inflow during Initial Pumping: Net Unadjusted Pumping Time: Altitude Adjustment Factor: Pump Efficiency Factor: 3,223,051 403.42 Hours (3% rule) (55 min./hr.)

BULLDOZER WORK

Task d	lescription:		Reduce North H	ignwaii to 3	:1 Stope		
: Silt	Pit		Per	mit Action:	2021-03	Permit/Job#:	M1981202SG
PROJ	JECT IDEN	TIFIC	ATION				
Tas	sk #: 03A		State:	Colorado		Abbreviation:	None
	Date: $\frac{3}{29}$	2021	County:	Garfield		Filename:	M202-03a
U	Jser: ACY					-	
	Agency or	organiza	ation name: DI	RMS			
HOU	RLY EQUI	PMEN'	ΓCOST				
	sic Machine:		8T - 8SU				
	Horsepower:	310					
	Blade Type:		Universal		<u></u>		
	Attachment:		k ripper		<u> </u>		
	Shift Basis: Data Source:	1 per c					
		(CKG)	1		<u> </u>		
Cost B	Breakdown:						
0		·		¢116 22	<u>Utilization %</u>		
	ership Cost/H erating Cost/H			\$116.22 \$89.77	NA 100		
	r own. Cost/H			\$12.00	NA		
	oer op. Cost/H			\$9.18	100		
	erator Cost/H			\$41.30	NA		
1				<u> </u>	1,11		
Total I	unit Cost/Hou Fleet Cost/Ho	ur: \$	5268.46 5 536.91				
Total I	Fleet Cost/Ho ERIAL QU al Volume:	ur: \$\frac{\\$}{ANTIT}\$ 1,481	6536.91				
Total I	Fleet Cost/Ho	ur: \$	5536.91 T <u>IES</u>				
MAT Initia Sv Loo Source	Fleet Cost/Ho ERIAL QU al Volume: well factor:	ANTIT 1,481 1.060 1,570 L volume:	200 LF 2		ackfilled highwall		
MAT Initia Sv Loo Source Source	Fleet Cost/Ho FERIAL QU al Volume: well factor: se volume: e of estimated	ANTIT 1,481 1.060 1,570 L volume: swell face	CY 200 LF 2 Cat Hand		ackfilled highwall		
MAT Initia Sv Loo Source Source HOU Average	ERIAL QU al Volume: well factor: se volume: e of estimated e of estimated RLY PROD ge push distar	ANTIT 1,481 1.060 1,570 L volume: swell factorice:	ETES CCY ctor: 200 LF 2 Cat Hand DN 100 feet	lbook	ackfilled highwall		
MAT Initia Sv Loo Source Source HOU Average	Fleet Cost/Ho ERIAL QU al Volume: well factor: see volume: e of estimated of estimated RLY PROD	ANTIT 1,481 1.060 1,570 L volume: swell factorice:	ETES CCY ctor: 200 LF 2 Cat Hand DN 100 feet	lbook	ackfilled highwall		
MAT Initia Sv Loo Source Source HOU Averag Unadju	ERIAL QU al Volume: well factor: se volume: e of estimated e of estimated RLY PROD ge push distar	ANTIT 1,481 1.060 1,570 L volume: swell face: production	CY CCY Cat Hand ON 100 feet 852.6 LCY	/hr	ackfilled highwall stockpile 1.1		
MAT Initia Sv Loo Source Source HOU Averag Unadju Materi	Fleet Cost/Ho ERIAL QU al Volume: well factor: se volume: e of estimated e of estimated RLY PROD ge push distar usted hourly p	ANTIT 1,481 1.060 1,570 L volume: swell face: production by descripent:	CY CCY Cat Hand ON 100 feet 852.6 LCY	/hr			
MAT Initia Sv Loo Source Source HOU Averag Unadju Materi Averag	Fleet Cost/Ho ERIAL QU al Volume: well factor: se volume: e of estimated e of estimated RLY PROD ge push distar usted hourly p ials consistence ge push gradic	ANTIT 1,481 1.060 1,570 L volume: swell factorize: production cest coroduction cest cest cest cest cest cest cest cest	100 feet	/hr			
MAT Initia Sv Loo Source Source HOU Averag Unadju Materi Averag Averag Materi	Fleet Cost/Ho ERIAL QU al Volume: well factor: see volume: e of estimated of estimated RLY PROD ge push distar usted hourly prials consistence ge push gradie ge site altitude	ANTIT 1,481 1.060 1,570 L volume: swell factorize: croduction can be considered as a second constant of the constant of th	100 feet 252.6 LCY	/hr consolidated			
MAT Initia Sv Loo Source Source HOU Averag Unadju Materi Averag Averag Weigh	Fleet Cost/Ho ERIAL QU al Volume: well factor: se volume: e of estimated of estimated re of estimated e of estimated ge push distar usted hourly pricals consistency ge push gradio ge site altitude ital weight: at description: condition Corre	### ANTIT 1,481 1.060 1,570 L volume: swell factorizes or oduction cest or oduction cest of cest o	200 LF 2 200 LF 2 Cat Hand	/hr consolidated Dry	stockpile 1.1 Source		
MAT Initia Sv Loo Source Source HOU Averag Unadju Materi Averag Averag Weigh	Fleet Cost/Ho ERIAL QU al Volume: well factor: se volume: e of estimated e of estimated ge push distar usted hourly p itals consistence ge push gradie ge site altitude ital weight: at description: ondition Corre	ANTIT 1,481 1.060 1,570 L volume: swell face: broduction by descripent: -5 eetion Farator Ski	200 LF 2 200 LF 2 Cat Hand	/hr consolidated Dry	stockpile 1.1 Source (AVG.)		
MAT Initia Sv Loo Source Source HOU Averag Unadju Materi Averag Averag Weigh	Fleet Cost/Ho ERIAL QU al Volume: well factor: se volume: e of estimated c of estimated ge push distartusted hourly pricals consistence ge push gradie ge site altitude ital weight: at description: Open Material co	ANTIT 1,481 1.060 1,570 L volume: swell face: broduction by descripent: -5 eetion Farator Ski	CY 200 LF 2 Cat Hand	/hr consolidated Dry	stockpile 1.1 Source		

0.830	(1 SHIFT/DAY)
0.800	(FND-RF)
1.329	(CAT HB)
1.000	(CAT HB)
0.793	(CAT HB)
1.000	(PAT)
	0.800 1.329 1.000 0.793

Net correction: 0.5773

Adjusted unit production: 492.21 LCY/hr
Adjusted fleet production: 984.42 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: \$0.545/LCY

Total job time: 1.59 Hours
Total job cost: \$856

BULLDOZER WORK

		-			8	:1 Slope		
e: _	Silt Pit			Peri	nit Action:	2021-03	Permit/Job#:	M1981202SG
P	ROJECT IDEN	TIFIC	CATION					
	Task #: 03B			State:	Colorado		Abbreviation:	None
	Date: 3/29/2	2021		County:	Garfield		Filename:	M202-03b
	User: ACY			,			-	
	Agency or	organi	zation nan	ne: DR	RMS			
H	IOURLY EQUI	PMEN	NT COST	1				
	Basic Machine:		08T - 8SU	_				
	Horsepower:	310						
	Blade Type:		-Universa			<u> </u>		
	Attachment:		nk ripper			<u></u>		
	Shift Basis:	1 per				<u>—</u>		
	Data Source:	(CRC	J)					
<u>C</u>	ost Breakdown:					1		
						<u>Utilization %</u>		
	Ownership Cost/He	_			\$116.22	NA 100		
ъ	Operating Cost/He				\$89.77	100		
K	ipper own. Cost/H				\$12.00	NA 100		
	Ripper op. Cost/He	_			\$9.18	100		
	Operator Cost/He	our:			\$41.30	NA		
	otal unit Cost/Hou otal Fleet Cost/Hou	_	\$268.46 \$536.91					
T	otal Fleet Cost/Houndary IATERIAL QUA Initial Volume: _	ur:	\$536.91		_			
T	otal Fleet Cost/Hou IATERIAL QU	ur:	\$536.91 TIES					
T <u>N</u> S S	Initial Volume: Swell factor: Loose volume: ource of estimated	ANTI 3,333 1.124 3,745 volume swell f	### ### ### ### ######################	200 LF Cat Hand		1 cut & fill highwall		
S S E	Initial Volume: Swell factor: Loose volume: ource of estimated ource of estimated	3,333 1.124 3,745 volume swell f	\$536.91 TIES LCY e: actor: [ON]	Cat Hand		1 cut & fill highwall		
S S E	Initial Volume: Swell factor: Loose volume: ource of estimated	ANTI 3,333 1.124 3,745 volume swell f	#536.91 TIES LCY e: factor: [ON]		book	1 cut & fill highwall		
S S E A U	Initial Volume: Swell factor: Loose volume: ource of estimated ource of estimated ource of estimated	3,333 1.124 3,745 volume swell f	### State	O feet 2.6 LCY/	book hr	1 cut & fill highwall		
S S S E A U M A	Initial Volume: Swell factor: Loose volume: ource of estimated ource of estimated ource of estimated verage push distantal	ANTI' 3,333 1.124 3,745 volumes well f DUCTI ace: production by description	### State	Cat Hand O feet 2.6 LCY/ Compa	book hr			
SSS HAU MAA	Initial Volume: Swell factor: Loose volume: Ource of estimated Ource of estimated Ource of estimated Verage push distan Inadjusted hourly p Interials consistence Interials consistence Interials consistence	ANTI' 3,333 1.124 3,745 volumes well f DUCTI ace: production by description	#536.91 TIES LCY e: factor: fon: 100 ion: 85: ription: 0 %	Cat Hand O feet 2.6 LCY/ Compa	book hr			
SSS HAU MAA	Initial Volume: Swell factor: Loose volume: Ource of estimated Ource of estimated Volume of estimated LOURLY PROD Verage push distantaly factorials consistence Everage push gradie verage site altitude	ANTI' 3,333 1.124 3,745 volumes well f DUCTI ace: production by description	#\$536.91 TIES LCY e: Factor: [ON] ion: 6 % 5,440 fee	Cat Hand Ofeet Compa	hr cted fill or e			
SSS HAU MAAA W	Initial Volume: Swell factor: Loose volume: Ource of estimated Ource of estimated OURLY PROD Everage push distantal factorials consistence Everage push gradies are altitude Everage site altitude Everage site altitude Everage fush description: Everage fush consistence Everage push gradies for altitude Everage site altitude Everage fush consistence Everage fush gradies for altitude Everage fush gradies fus	ANTI 3,333 1.124 3,745 volume swell f DUCTI ace: production ent: ection F	### State	Cat Hand O feet 2.6 LCY/ Compa	hr cted fill or e	mbankment 0.9		
S S E A U M A A A M W	Initial Volume: Swell factor: Loose volume: Ource of estimated Ource of estimated Ource of estimated Ource of estimated ACOURLY PROD Overage push distant Outline factoring push distant Outline factoring push gradie Overage push gradie Overage site altitude Outline factoring f	ANTI 3,333 1.124 3,745 volume swell f DUCTI ace: broduction extion Frator SI	#\$536.91 TIES LCY e: Factor: [ON	Cat Hand O feet Compa Compa LCY gravel - 1	hr cted fill or e Dry	mbankment 0.9 Source (AVG.)		
SSS HAU MAAA MW	Initial Volume: Swell factor: Loose volume: Ource of estimated ource of estimated ource of estimated factors and inadjusted hourly pure faterials consistence overage push gradies are altituded faterial weight: Veight description: Oper Material co	ANTI 3,333 1.124 3,745 volume swell f DUCTI ace: broduction extion Frator SI	### State	Cat Hand O feet C.6 LCY Compa LCY gravel - 1 0. 0.	hr cted fill or e	mbankment 0.9	3))	

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: 0.3554

Adjusted unit production: 303.01 LCY/hr
Adjusted fleet production: 606.02 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: \$0.886/LCY

Total job time: 6.18 Hours
Total job cost: \$3,318

BULLDOZER WORK

Task description:	Reduc	ce sediment pond and c	like Highwall to 3:1 Slo	pe	
: Silt Pit		Permit Action:	2021-03	Permit/Job#:	M1981202SG
PROJECT IDEN	TIFICATIO	<u>N</u>			
Task #: 03C		State: Colorado		Abbreviation:	None
Date: 3/29/2	2021	County: Garfield		Filename:	M202-03c
User: ACY				_	1.1202 000
	organization n	ame: DRMS			
HOURLY EQUI	PMENT CO	<u>ST</u>			
Basic Machine:	Cat D8T - 88	SU	<u></u>		
Horsepower:	310				
Blade Type:	Semi-Univer	rsal			
Attachment:	3-shank rippe	er			
Shift Basis:	1 per day				
Data Source:	(CRG)		<u> </u>		
Cost Breakdown:					
			Utilization %		
Ownership Cost/H	our:	\$116.22	NA		
Operating Cost/H		\$89.77	100		
Ripper own. Cost/H	our:	\$12.00	NA		
Ripper op. Cost/H	our:	\$9.18	100		
Operator Cost/H	our:	\$41.30	NA	<u></u>	
Total unit Cost/Hou Total Fleet Cost/Hou MATERIAL QU	r: \$268.40 \$536.91	6			
Total unit Cost/Hou Total Fleet Cost/Hou	r: \$268.40 ur: \$536.9 ANTITIES 2,222	6			
Total unit Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume:	r: \$268.40 ur: \$536.92 ANTITIES	6			
Total unit Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume: Swell factor:	r: \$268.40 ur: \$536.9 ANTITIES 2,222 1.060 2,355 LCY volume:	6			
Total unit Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated	r: \$268.40 ur: \$536.9 ANTITIES 2,222 1.060 2,355 LCY volume: swell factor:	1200 LF 20'H of 2:1 of			
Total unit Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD	r: \$268.40 ur: \$536.9 ANTITIES 2,222 1.060 2,355 LCY volume: swell factor:	1200 LF 20'H of 2:1 of Cat Handbook			
Total unit Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated	r: \$268.40 ur: \$536.9 ANTITIES 2,222 1.060 2,355 LCY volume: swell factor: DUCTION nce:	1200 LF 20'H of 2:1 of			
Total unit Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distant	r: \$268.40 ur: \$536.9 ANTITIES 2,222 1.060 2,355 LCY volume: swell factor: DUCTION ace:	6 1 1 1200 LF 20'H of 2:1 of Cat Handbook	cut & fill highwall		
Total unit Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distant Unadjusted hourly p	r: \$268.40 ur: \$536.9 ANTITIES 2,222 1.060 2,355 LCY volume: swell factor: DUCTION nce: production: ey description: ent: 0 %	1200 LF 20'H of 2:1 of Cat Handbook 100 feet 852.6 LCY/hr Partly consolidated	cut & fill highwall		
Total unit Cost/Hou Total Fleet Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distan Unadjusted hourly p Materials consistence Average push gradie	r: \$268.40 ur: \$536.9 ANTITIES 2,222 1.060 2,355 LCY volume: swell factor: DUCTION ace: broduction: ey description: ent: e:5,440 f	1200 LF 20'H of 2:1 of Cat Handbook 100 feet 852.6 LCY/hr Partly consolidated	cut & fill highwall		
Total unit Cost/Hou Total Fleet Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distant Unadjusted hourly p Materials consistence Average push gradie Average site altitude	r: \$268.40 ur: \$536.9 ANTITIES 2,222 1.060 2,355 LCY volume: swell factor: DUCTION ace: 5000000000000000000000000000000000000	1200 LF 20'H of 2:1 of Cat Handbook 100 feet 852.6 LCY/hr Partly consolidated	cut & fill highwall		
Total unit Cost/Hou Total Fleet Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distant Unadjusted hourly p Materials consistence Average push gradie Average site altitude Material weight: Weight description: Job Condition Corre	r: \$268.40 ur: \$536.9 ANTITIES 2,222 1.060 2,355 LCY volume: swell factor: DUCTION ace: 5 cry description: ent: 0 % c: 5,440 f Sand arection Factor	1200 LF 20'H of 2:1 of Cat Handbook 100 feet 852.6 LCY/hr Partly consolidated feet bs/LCY and gravel - Dry	cut & fill highwall stockpile 1.1		
Total unit Cost/Hou Total Fleet Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distant Unadjusted hourly p Materials consistence Average push gradie Average site altitude Material weight: Weight description: Job Condition Correct Open	r: \$268.40 ur: \$536.9 ANTITIES 2,222 1.060 2,355 LCY volume: swell factor: DUCTION ace: 5000 certion: 5000 ce	1200 LF 20'H of 2:1 of Cat Handbook 100 feet 852.6 LCY/hr Partly consolidated eet bs/LCY nd gravel - Dry 0.750	stockpile 1.1 Source (AVG.)		
Total unit Cost/Hou Total Fleet Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated HOURLY PROD Average push distant Unadjusted hourly p Materials consistence Average site altitude Material weight: Weight description: Job Condition Correct Oper Material co	r: \$268.40 ur: \$536.9 ANTITIES 2,222 1.060 2,355 LCY volume: swell factor: DUCTION ace: 5000 certion: 5000 ce	1200 LF 20'H of 2:1 of Cat Handbook 100 feet 852.6 LCY/hr Partly consolidated feet bs/LCY and gravel - Dry	cut & fill highwall stockpile 1.1		

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: 0.4344

Adjusted unit production: 370.37 LCY/hr
Adjusted fleet production: 740.74 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: \$0.725/LCY

Total job time: 3.18 Hours
Total job cost: \$1,707

MOTOR GRADER WORK

Task description:	Rip compacted areas			
: Silt Pit	Permit Action	n: <u>2021-03</u>	Permit/Jo	b#: <u>M1981202SG</u>
PROJECT IDENTII	FICATION			
Task #: 04A	State: Colorac	do	Abbreviation	n: None
Date: 3/29/2021			Filename	
User: ACY				
Agency or org	anization name: DRMS			
HOURLY EQUIPM	ENT COST			
Basic Machin			Horsepower:	259
Ripper Attachme	· · · - · · · · · · · · · · · · · · · ·		Shift Basis:	1 per day
Ripper / Rudenine	iii. Widiti Shank Ripper		Data Source:	(CRG)
~ ~				(6116)
Cost Breakdown:		I	TT4:1:4: 0/	
Own	nership Cost/Hour:	\$65.89	Utilization % NA	
	erating Cost/Hour:	\$58.96	100	
-	nership Cost/Hour:	\$4.83	NA	
	erating Cost/Hour:	\$4.40	100	
	perator Cost/Hour:	\$28.56	NA	
	al Unit Cost/Hour:	\$162.64		
_				
Tota	al Fleet Cost/Hour: \$	5162.64		
MATERIAL QUAN	TITIES			
Total Are	a to be graded or ripped: 30.0	00		acres
		nual report, processi	ng areas	
5001	ee of estimated acreage. Ain	iuai report, processi	ng arcas	
HOURLY PRODUC	<u>CTION</u>			
	Average Grader Speed:	1.50	mph	
	Selected Application:		oing (0-3 mph) - 1.50	
	Selected Blade Angle:	-1	degrees	
**** 1.1	Effective Blade Length:	0.00	feet	
	of blade overlap per pass:	2.00	feet	
0 0	g or ripping width per pass:ed Hourly Unit Production:	8.50 1.5455	feet acres/hour	
Unadjuste	d Hourry Omt Production:	1.5455	acres/nour	
Job Condition Correction			e Altitude: <u>5440</u> feet	
Altitude Adj:	Sour 1.00 (CAT			
Job Efficiency:	$\frac{1.00}{0.90}$ (CA1)			
Net Correction:	0.9000 multipl			
	Adjusted Hourly Unit Production		acres/Hour	
1	Adjusted Hourly Fleet Production	on: 1.3909	acres/Hour	
JOB TIME AND CO	OST			
Fleet size:	1 Grader(s)	Total job time:	21.57	Hours
Unit cost: \$1	16.93 per acre	Total job cost:	\$3,508	
Unit cost: \$1	16.93 per acre	Total job cost.	φ 3, 300	

BULLDOZER WORK

Task description:	Topsoil North Highwall are	a		
: Silt Pit	Permit Action:	2021-03	Permit/Job#:	M1981202SG
PROJECT IDENTIFI	CATION			
Task #: 05A	State: Colorado		Abbreviation:	None
Date: 3/29/2021	County: Garfield		Filename:	M202-05a
User: ACY				
Agency or organ	nization name: DRMS			
HOURLY EQUIPME	NT COST			
Basic Machine: Cat	D8T - 8SU			
Horsepower: 310				
	ni-Universal			
Attachment: NA				
Shift Basis: 1 pe	er day			
Data Source: (CR	(G)			
Cost Breakdown:		TT: 11 0/		
O	¢116.22	<u>Utilization %</u>		
Ownership Cost/Hour: Operating Cost/Hour:	\$116.22 \$89.77	NA 100		
Ripper own. Cost/Hour:	\$0.00	NA		
Ripper op. Cost/Hour:	\$0.00	0		
	\$41.30	NA		
CIDECALOF COST/HOUR				
Operator Cost/Hour:	\$41.30	IVA		
Total unit Cost/Hour:	\$247.28	IVA		
•		IVA		
Total unit Cost/Hour: Total Fleet Cost/Hour:	\$247.28 \$494.57	IVA		
Total unit Cost/Hour:	\$247.28 \$494.57	IVA		
Total unit Cost/Hour: Total Fleet Cost/Hour:	\$247.28 \$494.57 ITIES	IVA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT	\$247.28 \$494.57 ITIES			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 3,093 Swell factor: 1.215	\$247.28 \$494.57 ITIES			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 3,093 Swell factor: 1.215 Loose volume: 3,758	\$247.28 \$494.57 ITIES 3 5 B LCY			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 3,093 Swell factor: 1.215 Loose volume: 3,758 Source of estimated volume	\$247.28 \$494.57 ITIES 3 5 B LCY ne: 2.3 ac (1000 LF x 10			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 3,093 Swell factor: 1.215 Loose volume: 3,758	\$247.28 \$494.57 ITIES 3 5 B LCY ne:			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 3,093 Swell factor: 1.215 Loose volume: 3,758 Source of estimated volume	\$247.28 \$494.57 ITIES 3 5 B LCY ne: 2.3 ac (1000 LF x 10 Cat Handbook			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 3,093 Swell factor: 1.213 Loose volume: 3,758 Source of estimated volum Source of estimated swell HOURLY PRODUCT	\$247.28 \$494.57 ITIES B B CY ne:			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 3,093 Swell factor: 1.213 Loose volume: 3,758 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance:	\$247.28 \$494.57 ITIES B B CY ne:			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 3,093 Swell factor: 1.215 Loose volume: 3,758 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product	\$247.28 \$494.57 ITIES 3 5 B LCY ne:	0'W) @ 10" D		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 3,093 Swell factor: 1.215 Loose volume: 3,758 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency described	\$247.28 \$494.57 ITIES 3 5 B LCY ne:	0'W) @ 10" D		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 3,093 Swell factor: 1.215 Loose volume: 3,758 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency descent	\$247.28 \$494.57 ITIES 3 5 8 LCY ne:	0'W) @ 10" D		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 3,093 Swell factor: 1.215 Loose volume: 3,758 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency described	\$247.28 \$494.57 ITIES 3 5 B LCY ne:	0'W) @ 10" D		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 3,093 Swell factor: 1.215 Loose volume: 3,758 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency descent	\$247.28 \$494.57 ITIES 3 5 8 LCY ne:	0'W) @ 10" D		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 3,093 Swell factor: 1.213 Loose volume: 3,758 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency deservated site altitude:	\$247.28 \$494.57 ITIES B	0'W) @ 10" D		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 3,093 Swell factor: 1.213 Loose volume: 3,758 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency deservate altitude: Material weight: Weight description:	\$247.28 \$494.57 ITIES B	0'W) @ 10" D		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 3,093 Swell factor: 1.215 Loose volume: 3,758 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency descarded and success are success and success are success and success are success and success are success and suc	\$247.28 \$494.57 ITIES B	0'W) @ 10" D		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 3,093 Swell factor: 1.213 Loose volume: 3,758 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency deservated site altitude: Material weight: Weight description: Job Condition Correction	\$247.28 \$494.57 ITIES 3 5 8 LCY ne:	0'W) @ 10" D I stockpile 1.1 Source		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 3,093 Swell factor: 1.215 Loose volume: 3,758 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency desc Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operator S	\$247.28 \$494.57 ITIES 3 5 8 LCY ne:	0'W) @ 10" D I stockpile 1.1 Source (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:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.7877

Adjusted unit production: 671.59 LCY/hr
Adjusted fleet production: 1343.18 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: \$0.368/LCY

Total job time: 2.80 Hours
Total job cost: \$1,384

SCRAPER TEAM WORK

Task description:	Topsoil ren	naining	areas				
Site: Silt Pit		Permi	t Action:	2021-03	Peri	mit/Job#: <u>M198</u>	1202SG
PROJECT IDEN	TIFICATION						
Task #: 05B	S	tate:	Colorado		Abbre	viation: None	
Date: 3/29/20	021 Cou	inty:	Garfield		Fil	ename: M202-)5b
User: ACY							
Agency or o	organization name:	DRM	IS				
HOURLY EQUIP	PMENT_			COSTS	hift basis: 1 per d	<u>ay</u>	
				ent Description			
		craper: Dozer:	Cat 637 NA	'G			
Suppo	ort Equipment -Load		NA NA				
~ upp o		Area:	NA				
Road Ma	intenance – Motor C		NA				
	-Water	Truck:	NA				
Cost Breakdown:	Scraper Wor	k Team		Support Equi	pment	Maintenance	Equipment
	Scraper	Do	zer	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100		NA	NA	NA	NA	NA
Ownership cost/hour:	\$206.99		NA	NA	NA	NA	NA
Operating cost/hour:	\$213.97		NA	NA	NA	NA	NA
%Utilization-ripper:	NA		NA	NA	NA	NA	NA
Ripper own. cost/hour:	NA		NA	NA	NA	NA	NA
Ripper op. cost/hour:	NA		NA	NA	NA	NA	NA
Operator cost/hour:	\$30.90		NA	NA	NA	NA	NA
Unit Subtotals:	\$451.85		NA	NA	NA	NA	NA
Number of Units:	2		0	0	0	0	(
Group Subtotals:	Work:	\$903	3.70	Support:	\$0.00	Maint:	\$0.00
Total work team cost	t/hour: \$903.70						
MATERIAL QUA	<u>ANTITIES</u>						
Initial volume:	62,248		CCY	Swell fac	tor: 1.215		
Loose volume:	75,631		LCY				
	rce of estimated vo	_	46.3 ac 3				
Source of	of estimated swell fa	actor:	Cat Hand	dbook			
HOURLY PROD	<u>UCTION</u>						
				Scraper B	owl (volume) Bas	is:	
Material weight:	1,600 lbs/LCY			Struck	Volume: 24.00	L	CY
Material description:	Top Soil				Volume: 34.00		CY
Rated Payload:	81,600 pounds			Average			CY
Payload Capacity:	51.00 LCY			Adjusted (Capacity: 29.00	Le	CY

Site Altitude: 5440 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: Rutted dirt, little maintenance, no water, 2" tire penetration 5.0

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res	Total Res	Velocity (fpm)	Travel Time (min)
1	800.00	0.00	5.00	5.00	1867	0.52

Haul Time: **0.52** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	800.00	0.00	5.00	5.00	2795	0.45

0.45 minutes Return Time: Total Scraper team cycle time: 2.37 minutes Adjusted for job conditions: 609.37 LCY/Hour Selected Number of Scrapers: Scraper(s) 1 Adjusted single scraper team (unit) hourly production: LCY/Hour 609.37 Adjusted multiple scraper team (fleet) hourly production: 1,218.73 LCY/Hour

Unadjusted unit production/hour: 734.18 LCY/Hour Optimal Number of Scrapers per push dozer:

JOB TIME AND COST

Fleet size:	2	Team(s)	Total job time:	62.06	Hours
Unit cost:	\$0.742	/LCY	Total job cost:	\$56,081	

MOTOR GRADER WORK

Task description:	Finish grading topsoiled	areas		
: Silt Pit	Permit Actio	on: 2021-03	Permit/J	ob#: <u>M1981202SG</u>
PROJECT IDENTI	FICATION			
Task #: 05C	State: Colora	do	Abbreviati	on: None
Date: 3/29/202			Filena	
User: ACY				
Agency or org	ganization name: DRMS			
HOURLY EQUIPM	IENT COST			
Basic Machi			Horsepower:	259
Ripper Attachme	· · · · · · · · · · · · · · · · · · ·		Shift Basis:	1 per day
11			Data Source:	(CRG)
Cost Breakdown:				
Cost Dieakdowii.			Utilization %	
Own	nership Cost/Hour:	\$65.89	NA	
	erating Cost/Hour:	\$58.96	100	
	nership Cost/Hour:	\$0.00	NA	
	erating Cost/Hour:	\$0.00		
	perator Cost/Hour:	\$28.56	NA	
Tot	tal Unit Cost/Hour:	\$153.41		
Tota	al Fleet Cost/Hour:	\$153.41		
MATERIAL QUAN	TTITIES			
		20		
10tal Are	ea to be graded or ripped: 46.	30		acres
Sou	rce of estimated acreage: Are	eas to be topsoiled		
HOURLY PRODUC	TION			
HOURLITRODU	Average Grader Speed:	1.50	mnh	
	Selected Application:		mph grading (0-2.5 mph) - 1	5
	Selected Blade Angle:	30	degrees	.5
	Effective Blade Length:	12.10	feet	
Widt	h of blade overlap per pass:	2.00	feet	
Net grading	g or ripping width per pass:	10.10	feet	
Unadjust	ed Hourly Unit Production:	1.8364	acres/hour	
Job Condition Correction	on Factors	Si	te Altitude: 5440 feet	
	Sou	ırce		
Altitude Adj:	1.00 (CAT			
Job Efficiency:	0.90 (1sh/d)			
Net Correction:	0.9000 multip	olier		
	Adjusted Hourly Unit Producti	on: 1.6527	acres/Hour	
	Adjusted Hourly Fleet Producti		acres/Hour	
IOD TIME AND CO	OCT			
JOB TIME AND CO	0 51 1 Grader(s)	Total job time	: 28.01	Hours
1 1001 5120.	oraucr(s)	10tai joo tiille	. 20.01	110015
Unit cost: \$9	92.82 per acre	Total job cost	t: \$4,298	

REVEGETATION WORK

Tasl	k description: R	eveg all disturbe					
Si	ilt Pit	Perm	it Action: 2021	-03		Permit/Job#	: <u>M1981202S</u>
PRO	DJECT IDENTIFICAT	TION					
	Γask #: 06A	<u></u>	Colorado		Δhb	reviation:	None
1	Date: 3/29/2021		Garfield		_		M202-06a
	User: ACY		Garriera		_ 1		1V1202 00u
	Agency or organization	on name: DRM	IS				
ER	<u> TILIZING</u>						
<u> Iate</u>	erials						
D	escription (Units / Acre	Unit	Cost	/ Unit	Cost /Acre
	0-34-0, 18-46-0, 5-10-5		100.00	pound	\$0.34	ļ	\$34.00
	,					l Fertilizer Materials	
						Cost/Acre	\$34.00
D	lication Description Tractor towed spreader (MF	EANS 32 01 90.13	3 0120)				Cost /Acre \$37.03
D	Description	EANS 32 01 90.13					
D	Description	EANS 32 01 90.13		l Fertilizer A	Application	Cost/Acre	
T	Description	EANS 32 01 90.13		l Fertilizer A	Application	Cost/Acre	\$37.03
Ti	Description Practor towed spreader (ME) LING	EANS 32 01 90.13		l Fertilizer A	Application	Cost/Acre	\$37.03 \$37.03
TILI	Description Practor towed spreader (ME LING Description		Tota	l Fertilizer A	Application	Cost/Acre	\$37.03 \$37.03 Cost /Acre
TILI	Description Practor towed spreader (ME) LING		Tota	l Fertilizer A	Application	Cost/Acre	\$37.03 \$37.03
TILL	Description Practor towed spreader (ME LING Description		Tota			Cost/Acre	\$37.03 \$37.03 Cost /Acre
TILI D	Description Practor towed spreader (ME LING Description		Tota				\$37.03 \$37.03 Cost /Acre \$107.16
TILI D D	Description Fractor towed spreader (ME LING Description Disc harrowing, 6" deep (ME)		Tota		otal Tilling		\$37.03 \$37.03 Cost /Acre \$107.16
TILI D D EEE	Description Fractor towed spreader (ME LING Description Disc harrowing, 6" deep (ME)		Tota		otal Tilling Rate –	Cost/Acre Seeds	\$37.03 \$37.03 Cost /Acre \$107.16
TILI D D EEE	Description Tractor towed spreader (ME LING Description Disc harrowing, 6" deep (ME DING		Tota		otal Tilling Rate – PLS	Seeds per SQ.	\$37.03 \$37.03 \$37.03 Cost /Acre \$107.16
TILI D D EEE	Description Tractor towed spreader (ME LING Description Disc harrowing, 6" deep (ME DING		Tota		otal Tilling Rate – PLS LBS /	Cost/Acre Seeds	\$37.03 \$37.03 \$37.03 Cost /Acre \$107.16
TILI D D See	Description Tractor towed spreader (ME LING Description Disc harrowing, 6" deep (ME DING		Tota		otal Tilling Rate – PLS	Seeds per SQ.	\$37.03 \$37.03 \$37.03 Cost /Acre \$107.16
TILI D D SEE A	Description Practor towed spreader (ME LING Description Disc harrowing, 6" deep (ME DING DING eed Mix		Tota		Rate – PLS LBS / Acre	Seeds per SQ. FT	\$37.03 \$37.03 \$37.03 Cost /Acre \$107.16 \$107.16
TILL D D D A A R	Description Practor towed spreader (ME LING Description Disc harrowing, 6" deep (ME DING eed Mix dkali Sacaton cussian Wildrye - VNS	IEANS 32 91 13.2	Tota		Rate – PLS LBS / Acre 0.50	Seeds per SQ. FT 19.51 8.03	\$37.03 \$37.03 \$37.03 Cost /Acre \$107.16 \$107.16 Cost /Acre \$14.24 \$11.84
D D D SEE	Description Practor towed spreader (ME LING Description Disc harrowing, 6" deep (ME DING eed Mix Alkali Sacaton cussian Wildrye - VNS Yellow Sweet Clover - Mac	IEANS 32 91 13.2	Tota		Rate – PLS LBS / Acre 0.50 2.00	Seeds per SQ. FT	\$37.03 \$37.03 \$37.03 Cost /Acre \$107.16 \$107.16 Cost /Acre
TILLI D D A R Y Ste	Description Practor towed spreader (ME LING Description Disc harrowing, 6" deep (ME DING eed Mix dkali Sacaton cussian Wildrye - VNS	IEANS 32 91 13.2	Tota		Rate – PLS LBS / Acre 0.50 2.00 0.50	Seeds per SQ. FT 19.51 8.03 2.98	\$37.03 \$37.03 \$37.03 Cost /Acre \$107.16 \$107.16 Cost /Acre \$14.24 \$11.84 \$1.41

\$58.69

46.10

10.00

Totals Seed Mix

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
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$2.92	\$2.92
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$301.00	\$602.00
Total Mulch Materials Cost/Acre				\$604.92

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, aquatic area, nox. [DMG]		\$62.72
	Total Mulch Application Cost/Acre	\$234.82

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
Cottonwood, Narrowleaf	40	Tubling, 10 cu. in. container	\$4.43	\$2.40	\$177.20
Ivaliowical		{(MEANS)			
Totals Nursery Stock Cost / Acre					\$177.20

JOB TIME AND COST

 No. of Acres:
 50
 Cost /Acre:
 \$1,485.82

 Estimated Failure Rate:
 30%
 Cost /Acre*:
 \$1,485.82

*Selected Replanting Work Items: FERTILIZING,TILLING,SEEDING,NU RSERY,MULCHING

Initial Job Cost: \$74,291.00

Reseeding Job Cost: \$22,287.30

Total Job Cost: \$96,578

Job Hours: 65.00

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description:	Initial Mobilizatio	n			
e: Silt Pit	Pern	nit Action: _2	2021-03	Permit/Jo	b#: <u>M1981202SG</u>
PROJECT IDENTIFICA	TION				
Task #: 07A	State:	Colorado		Abbreviation:	None
Date: 3/29/2021 User: ACY	County:	Garfield		Filename:	M202-07a
Agency or organiza	tion name: DRM	MS			
EQUIPMENT TRANSPO	ORT RIG COST	-			
				Shift basis:	1 per day
				Cost Data Source:	CRG Data
Truck Tractor D	escription: GEN	NERIC ON-H		RUCK TRACTOR, 6X4, IP (2ND HALF, 2006)	DIESEL POWERED,
Truck Trailer D	escription:	GENERIC F	OLDING GO	DOSENECK, DROP DEC	CK EQUIPMENT
			TRAILE	R (25T, 50T, AND 100T))
Cost Breakdown:					
Available Rig Capacities	0-25 Tons	26-50 T	ons 5	1+ Tons	
Ownership Cost/Hour	:: \$17.20	\$29.6	3	\$38.69	
Operating Cost/Hour		\$47.0	2	\$55.69	
Operator Cost/Hour	· ·	\$23.6	3	\$23.63	
Helper Cost/Hour	r: \$0.00	\$23.5	3	\$23.53	

NON ROADABLE EQUIPMENT:

Total Unit Cost/Hour:

\$67.39

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 D8T - 8SU	53.08	\$128.22	\$141.54	2	\$539.52	\$283.08	\$250.00
CAT 14M	23.57	\$70.72	\$67.39	1	\$138.11	\$67.39	\$250.00
Cat 637G	57.28	\$206.99	\$141.54	2	\$697.06	\$283.08	\$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
(Bowie LD-90)							
Submersible pump	0.70	\$10.98	\$67.39	1	\$78.37	\$67.39	\$250.00
- 460v, 8 in.							

\$123.81

\$141.54

Subtotals: \$1,605.75 \$835.72 \$1,500.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 1 T. Crew	\$49.16	1	\$49.16	\$49.16

Subtotals:	\$49.16	\$49.16
ounioiais.	カサフ・エリ	カサフ。エリ

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:

Total one-way travel distance:

Average Travel Speed:

RIFLE. CO
miles
55.00
mph

Total Non-Roadable Mob/Demob Cost *
 '* two round trips with haul rig:
Total Roadable Mob/Demob Cost **
 ** one round trip, no haul rig:

\$7,010.53

Transportation Cycle Time:

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	0.16	0.16
Return Time (Hours):	0.16	0.16
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.33	0.33

JOB TIME AND COST

Total job cost: 2.65 Hours

Total job cost: \$7,027

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: See	condary Mobiliza	ation			
te: Silt Pit	Permi	t Action: 2021-0	3	Permit/Jol	b#: <u>M1981202SG</u>
PROJECT IDENTIFICAT	<u>ION</u>				
Task #: 07B Date: 3/29/2021 User: ACY		Colorado Garfield	A	bbreviation: Filename:	None M202-07b
Agency or organizatio	n name: DRMS	S			
EQUIPMENT TRANSPOR	AT RIG COST				
			Shit Cost Data S		1 per day CRG Data
Truck Tractor Desc	cription: GENI	ERIC ON-HIGHW	AY TRUCK TRAG 400 HP (2ND HA		DIESEL POWERED,
Truck Trailer Desc	cription: C	GENERIC FOLDIN TR	`	, DROP DEC	
Cost Breakdown:					
Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons	_	
Ownership Cost/Hour:	\$17.20	\$29.63	\$38.69	_	
Operating Cost/Hour:	\$26.56	\$47.02	\$55.69		
Operator Cost/Hour:	\$23.63	\$23.63	\$23.63	_	
Helper Cost/Hour:	\$0.00	\$23.53	\$23.53	-	
Total Unit Cost/Hour:	\$67.39	\$123.81	\$141.54	_	

NON ROADABLE EQUIPMENT:

Machine Description	Weight/ Unit	Owner ship Cost/hr/ unit	Haul Rig Cost/hr/uni	Fleet Size	Haul Trip Cost/hr/	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Description	(TONS)	COSt/III/ UIIIt	t	Size	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

Subtotals: \$152.69 \$134.78 \$500.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 1 T. Crew	\$49.16	1	\$49.16	\$49.16

Subtotals:	\$49.16	\$49.16	
oudiotais.	747.10	D47.10	

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:

Total one-way travel distance:

Average Travel Speed:

RIFLE. CO

miles

55.00

mph

Total Non-Roadable Mob/Demob Cost *
 '* two round trips with haul rig:
 Total Roadable Mob/Demob Cost **
 ** one round trip, no haul rig:

\$1,399.46

\$16.09

Transportation Cycle Time:

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	0.16	0.16
Return Time (Hours):	0.16	0.16
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.33	0.33

JOB TIME AND COST

Total job time:	2.65	Hours
Total job cost:	\$1,416	

BULLDOZER WORK

Task description:	Backf	fill feed lot			
: Silt Pit		Permit Action:	2021-03	Permit/Job#:	M1981202SG
PROJECT IDEN	TIFICATIO	<u>DN</u>			
Task #: 10A		State: Colorado		Abbreviation:	None
Date: 3/29/2	2021	County: Garfield		Filename:	M202-10a
User: ACY					
Agency or	organization r	name: DRMS			
HOURLY EQUI	PMENT CO	<u>ost</u>			
Basic Machine:	Cat D8T - 88	SU			
Horsepower:	310				
Blade Type:	Semi-Unive		<u> </u>		
Attachment:	3-shank ripp	er			
Shift Basis:	1 per day		<u> </u>		
Data Source:	(CRG)				
Cost Breakdown:					
			<u>Utilization %</u>		
Ownership Cost/H	our:	\$116.22	NA		
Operating Cost/H		\$89.77	100		
Ripper own. Cost/H		\$12.00	NA		
Ripper op. Cost/H	our:	\$9.18	100		
Operator Cost/Hou Total unit Cost/Hou Total Fleet Cost/Hou MATERIAL OU	r: \$268.4 ur: \$536.9		NA		
Total unit Cost/Hou	r: \$268.4 ur: \$536.9 ANTITIES 50,000 1.060	-6	NA		
Total unit Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume:	r: \$268.4 ur: \$536.9 ANTITIES 50,000	-6	NA		
Total unit Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume: Swell factor:	r: \$268.4 ur: \$536.9 ANTITIES 50,000 1.060 53,000 LCY volume:	-6	NA		
Total unit Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated	r: \$268.4 ur: \$536.9 ANTITIES 50,000 1.060 53,000 LCY volume: swell factor:	Approx 3 ac @ 10 ft	NA		
Total unit Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated	r: \$268.4 ur: \$536.9 ANTITIES 50,000 1.060 53,000 LCY volume: swell factor: DUCTION nce:	Approx 3 ac @ 10 ft	NA NA		
Total unit Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD	r: \$268.4 ur: \$536.9 ANTITIES 50,000 1.060 53,000 LCY volume: swell factor: DUCTION ace:	Approx 3 ac @ 10 ft Cat Handbook 100 feet 852.6 LCY/hr			
Total unit Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distant Unadjusted hourly p	r: \$268.4 ur: \$536.9 ANTITIES 50,000 1.060 53,000 LCY volume: swell factor: DUCTION nce: production:	Approx 3 ac @ 10 ft Cat Handbook 100 feet 852.6 LCY/hr Partly consolidated			
Total unit Cost/Hou Total Fleet Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distant Unadjusted hourly push distant Unadjusted hourly push Materials consistence.	r: \$268.4 wr: \$536.9 ANTITIES 50,000 1.060 53,000 LCY volume: swell factor: DUCTION ace: broduction: ey description: ent:15 % 5,440 f	Approx 3 ac @ 10 ft Cat Handbook 100 feet 852.6 LCY/hr Partly consolidated			
Total unit Cost/Hou Total Fleet Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distant Unadjusted hourly push distant Unadjusted hourly push distant Consistence Average push gradie Average site altitude	r: \$268.4 wr: \$536.9 ANTITIES 50,000 1.060 53,000 LCY volume: swell factor: DUCTION ace: production:	Approx 3 ac @ 10 ft Cat Handbook 100 feet 852.6 LCY/hr Partly consolidated feet			
Total unit Cost/Hou Total Fleet Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distant Unadjusted hourly push Materials consistence Average push gradie Average site altitude Material weight: Weight description: Job Condition Correct	r: \$268.4 wr: \$536.9 ANTITIES 50,000 1.060 53,000 LCY volume: swell factor: DUCTION ace: production:	Approx 3 ac @ 10 ft Cat Handbook 100 feet 852.6 LCY/hr Partly consolidated feet lbs/LCY and gravel - Dry	stockpile 1.1		
Total unit Cost/Hou Total Fleet Cost/Hou Total Fleet Cost/Hou MATERIAL QU. Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distant Unadjusted hourly push distant Unadjusted hourly push gradied Average site altitude Average site altitude Material weight: Weight description: Job Condition Correct Open	r: \$268.4 wr: \$536.9 ANTITIES 50,000 1.060	Approx 3 ac @ 10 ft Cat Handbook 100 feet 852.6 LCY/hr Partly consolidated feet lbs/LCY and gravel - Dry 0.750	stockpile 1.1 Source (AVG.)		
Total unit Cost/Hou Total Fleet Cost/Hou Total Fleet Cost/Hou MATERIAL QU. Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distant Unadjusted hourly push gradied Average site altitude Average site altitude Material weight: Weight description: Job Condition Correct Open Material comparison.	r: \$268.4 wr: \$536.9 ANTITIES 50,000 1.060	Approx 3 ac @ 10 ft Cat Handbook 100 feet 852.6 LCY/hr Partly consolidated feet lbs/LCY and gravel - Dry	stockpile 1.1		

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.329	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.793	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.5773

Adjusted unit production: 492.21 LCY/hr
Adjusted fleet production: 984.42 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: \$0.545/LCY

Total job time: 53.84 Hours
Total job cost: \$28,907

MOTOR GRADER WORK

Task description:	Grading topsoiled areas			
Silt Pit	Permit Action	n:2021-03	Perm	it/Job#: M1981202SG
PROJECT IDENTI	<u>FICATION</u>			
Task #: 10B	State: Colorac	lo	Abbrevi	ation: None
Date: 3/29/202			File	name: M202-10b
User: ACY				
Agency or org	ganization name:DRMS			
HOURLY EQUIPM	IENT COST			
Basic Machi	ne: CAT 14M		Horsepower:	259
Ripper Attachme	-		Shift Basis:	1 per day
11			Data Source:	(CRG)
Cost Breakdown:				
Cost Breakdown.			Utilization %	
Ow	nership Cost/Hour:	\$65.89	NA	
	erating Cost/Hour:	\$58.96	100	
	nership Cost/Hour:	\$0.00	NA	
	erating Cost/Hour:	\$0.00		
	perator Cost/Hour:	\$28.56	NA	
To	tal Unit Cost/Hour:	\$153.41		
Tot	al Fleet Cost/Hour:\$	153.41		
MATERIAL QUAN				
Total Are	ea to be graded or ripped: 6.00)		acres
Sou	rce of estimated acreage: Area	as to be topsoiled		
HOURLY PRODU	<u>CTION</u>			
	Average Grader Speed:	1.50	mph	
	Selected Application:	Finish	grading (0-2.5 mph)	- 1.5
	Selected Blade Angle:	30	degrees	
	Effective Blade Length:	12.10	feet	
	h of blade overlap per pass:	2.00	feet	
	g or ripping width per pass: ed Hourly Unit Production:	10.10 1.8364	feet acres/hour	
_			 -	
Job Condition Correction			te Altitude: <u>5440</u> fee	t
Altitude Adj:	Sour 1.00 (CAT			
Job Efficiency:	0.90 (1sh/d,			
Net Correction:	0.9000 multipl	ier		
	Adjusted Hourly Unit Production	on: 1.6527	acres/Hour	
	Adjusted Hourly Fleet Production		acres/Hour	
	.j			
JOB TIME AND C	<u>OST</u>			
Fleet size:	1 Grader(s)	Total job time	3.63	Hours
Unit cost: \$	92.82 per acre	Total job cost	: \$557	

REVEGETATION WORK

Silt Pit	Permit A	ction: 2021	-03	Permit/Job#	: M1981202S
ROJECT IDENTIFICAT	ΓΙΟΝ				
				A 1-1 viotion	NT =
Task #: 10C Date: 3/29/2021		orado field			None M202-10c
User: ACY	County: Garl	ileid		riiename.	W12U2-1UC
<u></u>	_				
Agency or organizati	on name: DRMS				
ERTILIZING					
aterials			1		T
Description		Units /	TTm:4	Cost / Unit	Cost /Acre
Description		Acre	Unit		
10-34-0, 18-46-0, 5-10-5		100.00	pound	\$0.34	\$34.00
				Total Fertilizer	
				Materials	
				Cost/Acre	\$34.00
		Total	l Fertilizer Ap	plication Cost/Acre	\$37.03
ILLING					
Description					Cost /Acre
Description Disc harrowing, 6" deep (Martin	IEANS 32 91 13.23 6	100)			Cost /Acre \$107.16
	1EANS 32 91 13.23 6	100)	Tot	al Tilling Cost/Acre	\$107.16
	IEANS 32 91 13.23 6	100)	Tot	al Tilling Cost/Acre	
Disc harrowing, 6" deep (M	IEANS 32 91 13.23 6	100)		Rate –	\$107.16 \$107.16
Disc harrowing, 6" deep (M	IEANS 32 91 13.23 6	100)	1	Rate –	\$107.16
Disc harrowing, 6" deep (M	IEANS 32 91 13.23 6	100)	F F	Rate – PLS Seeds per SQ.	\$107.16 \$107.16
Disc harrowing, 6" deep (MEEDING Seed Mix	IEANS 32 91 13.23 6	100)	F F I	Rate – Seeds per SQ. FT	\$107.16 \$107.16 Cost /Acre
Disc harrowing, 6" deep (MEEDING Seed Mix Alkali Sacaton	IEANS 32 91 13.23 6	100)	F F I A	Rate – PLS Seeds per SQ. FT	\$107.16 \$107.16 Cost /Acre
Disc harrowing, 6" deep (MEEDING Seed Mix Alkali Sacaton Russian Wildrye - VNS		100)	F F I A 0 2	Rate – PLS Seeds per SQ. FT	\$107.16 \$107.16 Cost /Acre \$14.24 \$11.84
Disc harrowing, 6" deep (MEEDING Seed Mix Alkali Sacaton Russian Wildrye - VNS Yellow Sweet Clover - Mac	drid	100)	F F I A 0 2 0	Rate – DLS per SQ. FT	\$107.16 \$107.16 Cost /Acre \$14.24 \$11.84 \$1.41
Disc harrowing, 6" deep (MEEDING Seed Mix Alkali Sacaton Russian Wildrye - VNS Yellow Sweet Clover - Mac Streambank Wheatgrass - S	drid	100)	F F F F F F F F F F	Rate – PLS PER Seeds PER SQ. FT SQ. Seeds PER SQ. FT SQ. Seeds PER SQ. S	\$107.16 \$107.16 Cost /Acre \$14.24 \$11.84 \$1.41 \$5.70
Disc harrowing, 6" deep (MEEDING Seed Mix Alkali Sacaton Russian Wildrye - VNS Yellow Sweet Clover - Mac	drid Sodar	100)	F F I A O O O O O O O O O	Rate – DLS per SQ. FT	\$107.16 \$107.16 Cost /Acre \$14.24 \$11.84 \$1.41

Totals Seed Mix

\$58.69

46.10

10.00

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
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$2.92	\$2.92
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$301.00	\$602.00
Total Mulch Materials Cost/Acre				\$604.92

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, aquatic area, nox. [DMG]		\$62.72
	Total Mulch Application Cost/Acre	\$234.82

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
Cottonwood, Narrowleaf	40	Tubling, 10 cu. in. container {(MEANS)	\$4.43	\$2.40	\$177.20
		Total	s Nursery Stoc	ek Cost / Acre	\$177.20

JOB TIME AND COST

No. of Acres:	6	Cost /Acre:	\$1,485.82
Estimated Failure Rate:	30%	Cost /Acre*:	\$1,485.82

*Selected Replanting Work Items: FERTILIZING,TILLING,SEEDING,NU RSERY,MULCHING

Initial Job Cost: \$8,914.92

Reseeding Job Cost: \$2,674.48

Total Job Cost: \$11,589

16.00