

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

1313 Sherman St. Room 215 Denver, CO 80203

April 11, 2017

Mr. Jim Helmericks Glacier Gravel Products 995 Hwy 3 Durango, CO 81301

Re: J & J Pit, Permit No. M-1985-001, Financial Warranty Increase, Revision No. SI-3

Dear Mr. Helmericks:

In an effort to ensure the Financial Warranty for the above referenced site adequately reflects the actual current costs of fulfilling the requirements of the approved reclamation plan, the Colorado Division of Reclamation, Mining and Safety (Division) has updated the reclamation cost estimate (copy enclosed). *Therefore, pursuant to Section 34–32.5–117(4) of the Colorado Land Reclamation Act, adequate Financial Warranty must be submitted to the Division within 60 days of the mailing date of this letter.*

Staff calculations estimate the cost to reclaim the above referenced site to be <u>\$47,390.00</u>. This is an increase of <u>\$38,932.45</u> over the <u>\$8,457.58</u> currently held by the Division. This estimate is based on the approved reclamation plan and conditions observed during the April 5, 2017 inspection. The additional amount needs to be accepted prior to **Monday, June 12, 2017**.

Please make arrangements with Barbara Coria at the Division of Reclamation, Mining and Safety Denver Office, phone no. 303.866.3567, ext. 8148 for submittal of the financial warranty. Any questions regarding completion, execution and/or submittal of financial warranty forms should also be directed to Barbara Coria. If you require additional information, have questions or concerns, please contact me at the DRMS Grand Junction Field Office.

Sincerely,

Lucas J. West Environmental Protection Specialist Division of Reclamation, Mining and Safety 1313 Sherman Street, Room 215 Denver, CO 80203 Phone: (970)-243-6368

- Cc: Russ Means, Senior Environmental Protection Specialist Barbara J. Coria, DRMS Bonding Specialist
- Ec: Nathan Barton, Wasteline Inc.



COST SUMMARY WORK

ROJECT IDENTII	ICATION			
Task #: 000 Date: 4/11/201 User: LJW	State:	Colorado La Plata	Abbreviation: Filename:	None M001-000
Agency or org	anization name: DF	RMS		

Task	Description	Used	Fleet	Hours	Cost
			Size		
001	Move stockpile to highwall for backfill	LOADER	1	61.00	\$8,686.00
002	Backfill north highwall to 2:H 1V	DOZER] 2	28.90	\$11,089.00
003	Cut and fill remaining high walls to 2H:1V	DOZER] 2	15.18	\$5,824.00
004	Remove scrap steel and tires	DEMOLISH] 1	0.00	\$1,813.85
005	Revegetate slopes with weed control and mulch	REVEGE] 1	16.00	\$6,039.00
006	Mob/Demob	MOBILIZE	1	4.26	\$3,433.00
		<u>SUBTO</u>	TALS:	125.34	\$36,885

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$745.08
Performance bond:	1.05	Total =	\$387.29
Job superintendent:	62.67	Total =	\$4,578.04
Profit:	10.00	Total =	\$3,688.50
		TOTAL O & P =	\$9,398.91
		CONTRACT AMOUNT (direct + O & P) =	\$46,283.91

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): Engineering work and/or contract/bid preparation: Reclamation management and/or administration:	0.00 0.00 0.00	Total = Total =	0.00 \$0.00 \$0.00
CONTINGENCY:	3.00	Total =	
	TOTAL I	NDIRECT COST =	\$10,505.46
TOTAL BO	ND AMOUNT (direct + indirect) =	\$47,390.46

WHEEL LOADER - LOAD AND CARRY WORK

	Move stockpile to highwall	IOF DACKIII		
: J&JPit	Permit Action	: 2017 Update	Permit/Job	o#: <u>M198500</u>
PROJECT IDENTIFICA	TION			
Task #: 001	State: Colorado		Abbreviation:	None
Date: <u>4/11/2017</u> User: LJW	County: La Plata		Filename:	M001-001
Agency or organizat	tion name: DRMS			
rigeney of organiza				
HOURLY EQUIPMENT	COST			
	AT 980H		A	315
Attachment 1: <u>RC</u>	DPS Cab			er day CRG)
		Dala		
Cost Breakdown:		Utilization %		
Ownership Cost/Hou	r: \$48.81	NA		
Operating Cost/Hou		100		
Operator Cost/Hou	r: \$41.20	NA		
Total Unit Cost/Hou	r: \$142.38			
Total Fleet Cost/Hou	ır: <u>\$142.38</u>			
Total Fleet Cost/Hou MATERIAL QUANTITI				
MATERIAL QUANTITI	ES	Swell factor	1 000	
MATERIAL QUANTITI Initial volume:26,00	ES 00 CCY	Swell factor:	1.000	
MATERIAL QUANTITI Initial volume:26,00 Loose volume:	ES 00 CCY 26,000 LCY	_		
MATERIAL QUANTITI Initial volume: 26,00 Loose volume: Source of es	ES 00 CCY 26,000 LCY timated volume: Division	of Reclamation, Minin		
MATERIAL QUANTITI Initial volume:26,00 Loose volume:	ES 00 CCY 26,000 LCY timated volume: Division	of Reclamation, Minin		
MATERIAL QUANTITI	ES 00 CCY 26,000 LCY timated volume: Division ted swell factor: Cat Han	of Reclamation, Minin		
MATERIAL QUANTITI Initial volume:26,00 Loose volume: Source of es: Source of estima HOURLY PRODUCTIO	ES 00 CCY 26,000 LCY timated volume: Division ted swell factor: Cat Han N	of Reclamation, Minin dbook	ng & Safety	
MATERIAL QUANTITI	ES 00 CCY 26,000 LCY timated volume: Division ted swell factor: Cat Han N	of Reclamation, Minin	ng & Safety	minutes
MATERIAL QUANTITI Initial volume:26,00 Loose volume: Source of estima HOURLY PRODUCTION Loader Cycle Time: Cycle Time Factors	ES 00 CCY 26,000 LCY timated volume: Division ted swell factor: Cat Han N Unadjusted Basic	of Reclamation, Minin dbook Cycle Time (load, dum	ng & Safety p, 0.550 r): Factor (min.)	minutes
MATERIAL QUANTITI Initial volume: Loose volume: Source of estima HOURLY PRODUCTIO Loader Cycle Time: Cycle Time Factors	ES 00 CCY 26,000 LCY timated volume: Division ted swell factor: Cat Han N	of Reclamation, Minin dbook Cycle Time (load, dum	ng & Safety np, 0.550 r):0.550	
MATERIAL QUANTITI Initial volume:26,00 Loose volume: Source of estima HOURLY PRODUCTIO	ES 00 CCY 26,000 LCY timated volume: Division ted swell factor: Cat Han N Unadjusted Basic	of Reclamation, Minin dbook Cycle Time (load, dum maneuve	ng & Safety p, 0.550 r): Factor (min.)	Source
MATERIAL QUANTITI Initial volume:26,00 Loose volume: Source of estima HOURLY PRODUCTIO Loader Cycle Time: Cycle Time Factors Material:	ES 00 CCY 26,000 LCY timated volume: Division ted swell factor: Cat Han Unadjusted Basic Mixed material 0.02 Conveyor or dozer piled 1	of Reclamation, Minin dbook Cycle Time (load, dum maneuve 0 ft. high and up	ng & Safety np, 0.550 r): Factor (min.) 0.020	Source (Cat HB)
MATERIAL QUANTITI Initial volume:	ES 00 CCY 26,000 LCY timated volume: Division ted swell factor: Cat Han N Unadjusted Basic Mixed material 0.02 Conveyor or dozer piled 1 0.00 Common ownership of true	of Reclamation, Minin dbook Cycle Time (load, dum maneuve 0 ft. high and up	ng & Safety np, 0.550 r): 0.020 0.000	Source (Cat HB) (Cat HB)
MATERIAL QUANTITI Initial volume:26,00 Loose volume: Source of estima HOURLY PRODUCTION Loader Cycle Time: Cycle Time Factors Material: Stockpile: Truck Ownership:	ES 00 CCY 26,000 LCY timated volume: Division ted swell factor: Cat Han N Unadjusted Basic Mixed material 0.02 Conveyor or dozer piled 1 0.00 Common ownership of tru 0.04 Constant operation -0.04 Nominal target 0.00	of Reclamation, Minin dbook Cycle Time (load, dum maneuve 0 ft. high and up cks and loaders -	ng & Safety np, 0.550 r):	Source (Cat HB) (Cat HB) (Cat HB)
MATERIAL QUANTITI Initial volume:26,00 Loose volume: Source of estima HOURLY PRODUCTION Loader Cycle Time: Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	ES 00 CCY 26,000 LCY timated volume: Division ted swell factor: Cat Han N Unadjusted Basic Mixed material 0.02 Conveyor or dozer piled 1 0.00 Common ownership of tru 0.04 Constant operation -0.04 Nominal target 0.00 Net Cyc	of Reclamation, Minin dbook Cycle Time (load, dum maneuve 0 ft. high and up	ng & Safety np, 0.550 r): <u>Factor (min.)</u> 0.020 0.000 -0.040 -0.040	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB)

Haul:Packed snow 2.5Return:Packed snow 2.5

Haul and Return Time

	Length	Grade Res.	Rolling	Total Res.	Travel Time	Source
	(feet)	(%)	Res. (%)	(%)	(minutes)	
Haul Route:	300	0.00	2.50	2.50	0.2190	(Cat HB)
Return Route:		0.00	2.50	2.50	0.2112	(Cat HB)
				Travel Time: Cycle Time:	0.4302 0.9202	minutes minutes
Load Bucket Capacity						
Rated Capa	city: 7.	50 LCY	(heaped)			
Bucket Fill Fac			er - moist loam	(100-11	0%) 1.050	
Adjusted Capa	and the second se	88 LCY	ζ.			
Job Condition Correcti Site Altitude: 6760 feet						
		Sc	ource			
Altitude Adj	: 1.00	(CA	THB)			
Job Efficiency	: 0.83	(1 sh	ift/day)			
Net Correction	: 0.83	mult	iplier			
	nadjusted Hour Adjusted Hour Adjusted Hour	ly Unit Product	tion: 513 tion: 426	.18 LCY	/Hour /Hour /Hour	
JOB TIME AND C	<u>OST</u>					
Fleet size:	<u> </u>	oader(s)	Total job	time:	61.01	Hours
Unit cost:	60.334 /L	.CY	Total job	cost:	\$8,686	

BULLDOZER WORK

	Backfill north highwall				
te: J&JPit	Permit Act	ion: <u>201</u>	7 Update	Permit/Jo	b#: <u>M1985001</u>
PROJECT IDENTIFI	CATION				
Task #: 002 Date: 4/11/2017 User: LJW	State: Colora County: La Pla			Abbreviation: Filename:	None M001-002
Agency or organ	nization name: DRMS				
HOURLY EQUIPME	NT COST				
Horsepower: 311 Blade Type: Ser Attachment: NA Shift Basis: 1 p	mi-Universal				
Cost Breakdown:					
Ownership Cost/Hour:	\$83.5	01	<u>Utilization %</u> NA		
Operating Cost/Hour:	\$66.		100		
Ripper own. Cost/Hour:	\$0.0		NA		
Ripper op. Cost/Hour:	\$0.0	00	0		
Operator Cost/Hour:	\$41.8	85	NA		
MATERIAL QUANT Initial Volume: 25,4 Swell factor: 1.00 Loose volume: 25,4	81				
Source of estimated volu Source of estimated swe		mation, M	ining & Safety		
Source of estimated volu Source of estimated swe factor:	ll Cat Handbook	mation, M	ining & Safety		
Source of estimated volu Source of estimated swe factor: HOURLY PRODUCT	II Cat Handbook	mation, M	ining & Safety		
Source of estimated volu Source of estimated swe factor:	ll Cat Handbook	<u>mation, M</u>	ining & Safety		
Source of estimated volu Source of estimated swe factor: HOURLY PRODUCT Average push distance: Unadjusted hourly production:	II Cat Handbook		ining & Safety		
Source of estimated volu Source of estimated swe factor: HOURLY PRODUCT Average push distance: Unadjusted hourly production:	II Cat Handbook		ining & Safety		
Source of estimated volu Source of estimated swe factor: HOURLY PRODUCT Average push distance: Unadjusted hourly production: Materials consistency de Average push	Il Cat Handbook CION 100 feet 852.6 LCY/hr escription: Loose stockpile		ining & Safety		
Source of estimated volu Source of estimated swe factor: HOURLY PRODUCT Average push distance: Unadjusted hourly production: Materials consistency de Average push gradient:	Cat Handbook Solution Loose stockpile 5 %		ining & Safety		
Source of estimated volu Source of estimated swe factor: HOURLY PRODUCT Average push distance: Unadjusted hourly production: Materials consistency de Average push gradient: Average site altitude:	Ill Cat Handbook 'ION 100 feet 852.6 LCY/hr escription: Loose stockpile 5 % 6,760 feet		ining & Safety		

0.750	(AVG.)
1.200	(CAT HB)
1.000	(GEN.)
1.000	(AVG.)
0.830	(1 SHIFT/DAY)
0.700	(FND-MF)
0.903	(CAT HB)
1.000	(CAT HB)
1.095	(CAT HB)
1.000	(PAT)
	1.000 1.000 0.830 0.700 0.903 1.000 1.095

Net correction: 0.5170

Adjusted unit production:	440.79 LCY/hr
Adjusted fleet production:	881.58 LCY/hr

JOB TIME AND COST

Fleet size:	2 Dozer(s)
Unit cost:	\$0.435/LCY

 Total job time:
 28.90 Hours

 Total job cost:
 \$11,089

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BULLDOZER WORK

J & J Pit	Permit Action:	2017 Update	Permit/Jo	b#: <u>M198500</u>
ROJECT IDENTIF	ICATION			
Task #: 003	State: Colorado		Abbreviation:	None
Date: 4/11/2017			Filename:	M001-003
User: LJW				
Agency or orga	nization name: DRMS			
OURLY EQUIPME	ENT COST			
	ut D8T - 8SU			
Horsepower: 31				
	mi-Universal	_		
Attachment: NA	4			
Shift Basis: 1	per day			
Data Source: (C	RG)			
ost Breakdown:				
Ownership Cost/Hour:	\$83.81	Utilization %		
Operating Cost/Hour:	\$66.17	<u>NA</u> 100		
Ripper own.				
Cost/Hour:	\$0.00	NA		
Ripper op. Cost/Hour:	\$0.00	0		
Operator Cost/Hour:	\$41.85	D.L.A.		
•		NA		
Total unit Cost/Hour: Total Fleet Cost/Hour:	\$191.83 \$383.65	NA		
- Total unit Cost/Hour:	\$191.83 \$383.65	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: IATERIAL QUANT	\$191.83 \$383.65 ITIES	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: IATERIAL QUANT Initial Volume:22,0	\$191.83 \$383.65 ITIES 000	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: IATERIAL QUANT Initial Volume: 22,0 Swell factor: 1.12	\$191.83 \$383.65 ITIES 000	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: IATERIAL QUANT Initial Volume: 22,0 Swell factor: 1.1 Loose volume: 24,5	\$191.83 \$383.65 ITIES 000 15 530 LCY			
Total unit Cost/Hour: Total Fleet Cost/Hour: IATERIAL QUANT Initial Volume: 22,0 Swell factor: 1.1 Loose volume: 24,5 Source of estimated volume	\$191.83 \$383.65 ITIES 000 15 530 LCY ume:Division of Reclamat			
Total unit Cost/Hour: Total Fleet Cost/Hour: IATERIAL QUANT Initial Volume: 22,0 Swell factor: 1.1 Loose volume: 24,5	\$191.83 \$383.65 ITIES 000 15 530 LCY ume:Division of Reclamat			
Total unit Cost/Hour: Total Fleet Cost/Hour: Initial Volume: 22,0 Swell factor: 1.1 Loose volume: 24,5 Source of estimated voltoource of estimated sweet	\$191.83 \$383.65 ITIES 000 15 530 LCY ume:Division of Reclamat			
Total unit Cost/Hour: Total Fleet Cost/Hour: Initial Volume: 22,0 Swell factor: 1.1 Loose volume: 24,5 Source of estimated voltoource of estimated sweet	\$191.83 \$383.65 ITIES 000 15 530 LCY ume: Division of Reclamat cat Handbook			
Total unit Cost/Hour: Total Fleet Cost/Hour: INITIAL QUANT Swell factor: 22,0 Swell factor: 1.1 Loose volume: 24,0 Source of estimated volution Source of estimated sweet factor: OURLY PRODUCT	\$191.83 \$383.65 ITIES 000 15 530 LCY ume: Division of Reclamat cll Cat Handbook			
Total unit Cost/Hour: Total Fleet Cost/Hour: Initial Volume: 22,0 Swell factor: 1.1 Loose volume: 24,5 Source of estimated volt Source of estimated swe factor: OURLY PRODUCT Average push distance:	\$191.83 \$383.65 ITIES 000 15 530 LCY ume: Division of Reclamat Cat Handbook CION 70 feet			
Total unit Cost/Hour: Total Fleet Cost/Hour: INITIAL OUANT Swell factor: 22,0 Swell factor: 1.1 Loose volume: 24,0 Source of estimated volution Source of estimated sweet factor: OURLY PRODUCT	\$191.83 \$383.65 ITIES 000 15 530 LCY ume: Division of Reclamat cll Cat Handbook			
Total unit Cost/Hour: Total Fleet Cost/Hour: Initial Volume: 22,0 Swell factor: 1.1 Loose volume: 24,9 Source of estimated volt Source of estimated swe factor: OURLY PRODUCT Average push distance: Unadjusted hourly production:	\$191.83 \$383.65 ITIES 000 15 530 LCY ume: Division of Reclamat Cat Handbook CION 70 feet	ion, Mining & Safety		
Total unit Cost/Hour: Total Fleet Cost/Hour: Initial Volume: 22,0 Swell factor: 1.1 Loose volume: 24,4 Source of estimated volus Source of estimated swelfactor: OURLY PRODUCT Average push distance: Unadjusted hourly production: Materials consistency definition	\$191.83 \$383.65 ITIES 000 15 530 LCY ume: Division of Reclamat Cat Handbook CION 70 feet 1,093.7 LCY/hr escription: Compacted fill or e	ion, Mining & Safety		
Total unit Cost/Hour: Total Fleet Cost/Hour: Initial Volume: 22,0 Swell factor: 1.1 Loose volume: 24,0 Source of estimated voluce Source of estimated sweet factor: OURLY PRODUCT Average push distance: Unadjusted hourly production: Materials consistency do Average push	\$191.83 \$383.65 ITIES 000 15 530 LCY ume: Division of Reclamat Cat Handbook CION 70 feet 1,093.7 LCY/hr	ion, Mining & Safety		
Total unit Cost/Hour: Total Fleet Cost/Hour: Initial Volume: 22,0 Swell factor: 1.1 Loose volume: 24,4 Source of estimated voluce Source of estimated swe factor: OURLY PRODUCT Average push distance: Unadjusted hourly production: Materials consistency do Average push gradient:	\$191.83 \$383.65 ITIES 000 15 530 LCY ume: Division of Reclamat Cat Handbook CION 70 feet 1,093.7 LCY/hr escription: Compacted fill or e -5 %	ion, Mining & Safety		
Total unit Cost/Hour: Total Fleet Cost/Hour: Initial Volume: 22,0 Swell factor: 1.1 Loose volume: 24,0 Source of estimated voluce Source of estimated sweet factor: OURLY PRODUCT Average push distance: Unadjusted hourly production: Materials consistency do Average push	\$191.83 \$383.65 ITIES 000 15 530 LCY ume: Division of Reclamat Cat Handbook CION 70 feet 1,093.7 LCY/hr escription: Compacted fill or e	ion, Mining & Safety		
Total unit Cost/Hour: Total Fleet Cost/Hour: Initial Volume: 22,0 Swell factor: 1.1 Loose volume: 24,4 Source of estimated voluce Source of estimated swe factor: OURLY PRODUCT Average push distance: Unadjusted hourly production: Materials consistency do Average push gradient:	\$191.83 \$383.65 ITIES 000 15 530 LCY ume: Division of Reclamat Cat Handbook CION 70 feet 1,093.7 LCY/hr escription: Compacted fill or e -5 %	ion, Mining & Safety		
Total unit Cost/Hour: Total Fleet Cost/Hour: Initial Volume: 22,0 Swell factor: 1.1. Loose volume: 24,9 Source of estimated volt Source of estimated volt Source of estimated swe factor: OURLY PRODUCT Average push distance: Unadjusted hourly production: Materials consistency de Average push gradient: Average site altitude:	\$191.83 \$383.65 ITIES 000 15 530 LCY ume: Division of Reclamat Cat Handbook CION <u>70 feet</u> 1,093.7 LCY/hr escription: Compacted fill or e -5 % 6,760 feet	ion, Mining & Safety		

Operator Skill:	0.750	(AVG.)
Material consistency:	0.900	(CAT HB))
Dozing method:	1.200	(SLOT)
Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.900	(SSD-FC)
Push gradient:	1.115	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.095	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.7387

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Adjusted unit production:	807.92 LCY/hr	
Adjusted fleet production:	1615.84 LCY/hr	

JOB TIME AND COST

Fleet size:	2 Dozer(s)
Unit cost:	\$0.237/LCY

Total job time:15.18 HoursTotal job cost:\$5,824

DEMOLITION WORK

Task de	escription	n: Re	move scrap steel and tires				
Site: J & J Pit Permit Action:		Permit Action: 201	7 Update		Permit/Job#:	M1985001	
PROJECT ID	ENTIF	ICATION					
User: L	11/2017 JW	or organization	State: Colorado County: La Plata		Abbrev File		ne 01-004
<u>UNIT COSTS</u>					<u>Locat</u>	<u>ion adjustme</u>	<u>nt: 93.10 %</u>
Structure or Description		Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Various scrap and metal	Iron	100	Loading and 5 mile haul, salvage allowed - Steel frame structures	75.00	CY	\$10.71	\$803.25
Disposal of Ti	res	25	Hazardous waste removal - Bulk solids, small quantities (up to 1.5 tons)	0.50	TON	\$2,290.06	\$1,145.03

				Total Cost	
		Subtotal		(adjusted for	
Job Hours:	0.00	(unadjusted):	\$1,948.28	location):	\$1,813.85

Page 1 of 2

REVEGETATION WORK

Task description:	Revegetate slopes with weed control and mulch		
Site: J & J Pit	Permit Action: _2017 Update	Permit/Job#	M1985001
PROJECT IDENTIFICA	ATION		
Task #: 005 Date: 4/11/2017 User: LJW	State: Colorado County: La Plata		None 1985005
		i nename.	1985005

FERTILIZING

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
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)		\$106.29
	Total Tilling Cost/Acre	\$106.29

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	1.80	5.83	\$12.60
Intermediate Wheatgrass - Oahe	2.00	4.27	\$7.68
Mahogany, Mountain	0.50	0.68	\$18.41
Western Wheatgrass - Barton	2.40	6.06	\$18.22
Needle and Thread	1.50	3.96	\$62.25
Totals Seed Mix	8.20	20.79	\$119.15

Application

Description		Cost /Acre
Drill seeding (MEANS 32 92 19.13 0020)		\$438.00
â.		
	Total Seed Application Cost/Acre	\$438.00

MULCHING and MISCELLANEOUS

Materials

Description Hay, delivered {MEANS 31 25 14.16 1200}	Units / Acre 2.00	Unit TON	Cost / Unit \$261.00	Cost /Acre \$522.00
Total Mulch Materials Cost/Acre	2.00		\$201.00	\$522.00

Application

Description		Cost /Acre
Power mulcher (MEANS 32 91 13.16 0350)		\$99.32
Weed spray, hand, aquatic area, nox. [DMG]		\$170.90
	Total Mulch Application Cost/Acre	\$270.22

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

JOB TIME AND COST

No. of Acres: Estimated Failure Rate: *Selected Replanting Work Items:		20%	Cost /Acre: Cost /Acre*:	
Initial Job Cost:				
Reseeding Job Cost:	\$944.56			
Total Job Cost:	\$6,039			
Job Hours:	16.00			

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task descriptio	n: <u>Mo</u>	ob/Demob						
e: J&JPit		Permit	Action:	2017 U	pdate	F	Permit/Job#:N	11985001
PROJECT ID	ENTIFICAT	ION						
Task #: 0	06	State: Co	olorado			Abbre	viation: None	
	/11/2017	-	Plata				lename: 1985	
User: L	JW					- 15 0		
Agenc	y or organizatio	n name: DRMS						
EQUIPMENT	TRANSPOR	T RIG COST						
						Shift bas	sis: 1 per da	av
					(Cost Data Sour		
Tm	ck Tractor Desc	rintion: GENE	RIC ON	нісну	ΔΥΤΡΙ		R, 6X4, DIESE	
114	ek Hactor Dest	Inpuoli. OLIVE		-111011 **		(2ND HALF, 2		L FOWERED,
Tru	ick Trailer Desc	cription: G	ENERIC	FOLDIN			OP DECK EQU	IPMENT
						(25T, 50T, AN		
Cost Breakdown								
Available Rig		0-25 Tons	26-50			⊦ Tons		
	ip Cost/Hour:	\$16.63	\$18			22.33		
	ng Cost/Hour: or Cost/Hour:	\$44.38 \$27.66	\$46			50.07		
	er Cost/Hour:	\$27.00	\$27 \$25			27.66 25.39		
	nit Cost/Hour:	\$88.67	\$11			25.45		
	in cobiliour.	400.07	ψΠ	1.55	ΨΙ	23.13		
NON ROADA	BLE EQUIP	MENT:						
Machine	Weight/	Owner ship	Haul R	Rig	Fleet	Haul Trip	Return Trip	DOT Permit
Description	Unit	Cost/hr/ unit	Cost/h	<u> </u>	Size	Cost/hr/	Cost/hr/ fleet	Cost/ fleet
	(TONS)		t			fleet		
CAT 980H	33.12	\$51.27	\$117.55		1	\$168.82	\$117.55	\$250.00
Cat D8T - 8SU	47.71	\$83.81	\$117.55	5 2	2	\$402.72	\$235.10	\$250.00
				Sı	ubtotals:	\$571.54	\$352.65	\$500.00
						₽ <u>10.0.</u>		
ROADABLE I	EOUIPMENT]:						
						** 1 1		
Machine Descr	iption	Total Cost/hr/	Fl	eet Size		Haul Trip	Return Trip	+

Machine Description	unit	Fleet Size	Cost/hr/ fleet	Cost/hr/ fleet
Drill/Broadcast Seeder with Tractor	\$52.78	1	\$52.78	\$52.78
Generic 15-18 cy, 6x4	\$106.65	1	\$106.65	\$106.65
Power Mulcher (Bowie LD-90)	\$21.31	1	\$21.31	\$21.31

Subtotals: \$180.74 \$180.74

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	DURANGO	
Total one-way travel distance:	2.00	miles
Average Travel Speed:	30.00	mph
Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig:	\$3,409.39	5
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$24.10	

Transportation Cycle Time:

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	0.07	0.07
Return Time (Hours):	0.07	0.07
Loading Time (Hours):	1.00	NA
Unloading Time (Hours):	1.00	NA
Subtotals:	2.13	0.13

JOB TIME AND COST

Total job time:	4.27	Hours
Total job cost:	\$3,433	0.0