

STATE OF COLORADO

DIVISION OF RECLAMATION, MINING AND SAFETY

Department of Natural Resources

1313 Sherman St., Room 215

Denver, Colorado 80203

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John W. Hickenlooper
Governor

Mike King
Executive Director

Loretta E. Piñeda
Director

July 2, 2013

Mr. Ron Ebberts
Ron Ebberts
P.O. Box 250
Egnar, CO 81325

Re: Disappointment Valle, Permit No. M-1980-038, Financial Warranty Increase, Revision No. SI-3

Dear Mr. Ebberts:

On July 1, 2013 the Division of Reclamation, Mining and Safety increased the current Financial Warranty for this permit to \$10,376.72, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of \$1,305.72.

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. 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 at (970) 259-5861.

Sincerely,

Kate A. Pickford
Environmental Protection Specialist

COST SUMMARY WORK

Task description: 2013 Inspection

Site: Disappointment Valle

Permit Action: 2013 Inspection

Permit/Job#: M1980038

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 7/1/2013

County: San Miguel

Filename: M038-000

User: KAP

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Highwall Reduction from 0.5 to 3H:1V	DOZER	1	1.97	\$403.36
002	Rip and Grade 3 Acres of Affected Area	DOZER	1	4.72	\$980.77
003	Toposoil replacement 12" depth over 4 acres	DOZER	1	13.24	\$2,707.36
004	Revegetation	REVEGE	1	8.00	\$2,422.00
005	Mobilize/Demobilize	MOBILIZE	1	5.20	\$1,480.33
<u>SUBTOTALS:</u>				33.13	\$7,993.82

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 0.00%

Total = \$0.00

Performance bond: 0.00%

Total = \$0.00

Job superintendent: 16.57 hrs

Total = \$1,083.52

Profit: 10.00%

Total = \$799.38

TOTAL O & P = \$1,882.90

CONTRACT AMOUNT (direct + O & P) = \$9,876.72

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): 500.00

Total = 500.00

Engineering work and/or contract/bid preparation: 0.00%

Total = \$0.00

Reclamation management and/or administration: 0.00%

\$0.00

CONTINGENCY: 0.00

Total = \$0.00

TOTAL INDIRECT COST = \$2,382.90

TOTAL BOND AMOUNT (direct + indirect) = \$10,376.72

BULLDOZER WORKTask description: Highwall Reduction from 0.5 to 3H:1VSite: Disappointment VallePermit Action: 2013 InspectionPermit/Job#: M1980038PROJECT IDENTIFICATIONTask #: 001State: ColoradoAbbreviation: NoneDate: 7/1/2013County: San MiguelFilename: M038-001User: KAPAgency or organization name: DRMSHOURLY EQUIPMENT COSTBasic Machine: Cat D8T - 8SUHorsepower: 310Blade Type: Semi-UniversalAttachment: 3-shank ripperShift Basis: 1 per dayData Source: (CRG)Cost Breakdown:

		<u>Utilization %</u>
Ownership Cost/Hour:	\$63.00	NA
Operating Cost/Hour:	\$104.03	100
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$37.41	NA

Total unit Cost/Hour: \$204.45Total Fleet Cost/Hour: \$204.45MATERIAL QUANTITIESInitial Volume: 1,404Swell factor: 1.250Loose volume: 1,755 LCYSource of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell factor: Cat HandbookHOURLY PRODUCTIONAverage push distance: 50 feetUnadjusted hourly production: 1,400.0 LCY/hrMaterials consistency description: Consolidated stockpile 1.0Average push gradient: -10 %Average site altitude: 5,940 feetMaterial weight: 2,650 lbs/LCYWeight description: Decomposed rock - 25% Rock, 75% EarthJob Condition Correction Factor

		<u>Source</u>
Operator Skill:	0.900	(AB.AVG.)
Material consistency:	1.000	(CAT HB)
Dozing method:	1.000	(GEN.)

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.225	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.868	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.6354

Adjusted unit production: 889.56 LCY/hr

Adjusted fleet production: 889.56 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.230/LCY

Total job time: 1.97 Hours

Total job cost: \$403.36

BULLDOZER WORKTask description: Rip and Grade 3 Acres of Affected AreaSite: Disappointment VallePermit Action: 2013 InspectionPermit/Job#: M1980038**PROJECT IDENTIFICATION**Task #: 002State: ColoradoAbbreviation: NoneDate: 7/1/2013County: San MiguelFilename: M038-002User: KAPAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D8T - 8SUHorsepower: 310Blade Type: Semi-UniversalAttachment: 3-shank ripperShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$63.00	NA
Operating Cost/Hour:	\$104.03	100
Ripper op. Cost/Hour:	\$3.27	50
Operator Cost/Hour:	\$37.41	NA

Total unit Cost/Hour: \$207.72Total Fleet Cost/Hour: \$207.72**MATERIAL QUANTITIES**Initial Volume: 2,420Swell factor: 1.165Loose volume: 2,819 LCYSource of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 50 feetUnadjusted hourly production: 1,400.0 LCY/hrMaterials consistency description: Compacted fill or embankment 0.9Average push gradient: 0 %Average site altitude: 5,940 feetMaterial weight: 2,900 lbs/LCYWeight description: Decomposed rock - 50% Rock, 50% Earth**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	0.900	(AB.AVG.)
Material consistency:	0.900	(CAT HB))
Dozing method:	1.000	(GEN.)

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.793	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4265

Adjusted unit production: 597.10 LCY/hr
 Adjusted fleet production: 597.1 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
 Unit cost: \$0.348/LCY

Total job time: 4.72 Hours
 Total job cost: \$980.77

BULLDOZER WORKTask description: Toposoil replacement 12" depth over 4 acresSite: Disappointment VallePermit Action: 2013 InspectionPermit/Job#: M1980038PROJECT IDENTIFICATIONTask #: 003State: ColoradoAbbreviation: NoneDate: 7/1/2013County: San MiguelFilename: M038-003User: KAPAgency or organization name: DRMSHOURLY EQUIPMENT COSTBasic Machine: Cat D8T - 8SUHorsepower: 310Blade Type: Semi-UniversalAttachment: 3-shank ripperShift Basis: 1 per dayData Source: (CRG)Cost Breakdown:

		<u>Utilization %</u>
Ownership Cost/Hour:	\$63.00	NA
Operating Cost/Hour:	\$104.03	100
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$37.41	NA

Total unit Cost/Hour: \$204.45Total Fleet Cost/Hour: \$204.45MATERIAL QUANTITIESInitial Volume: 6,453Swell factor: 1.125Loose volume: 7,260 LCYSource of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell factor: Cat HandbookHOURLY PRODUCTIONAverage push distance: 75 feetUnadjusted hourly production: 1,017.1 LCY/hrMaterials consistency description: Consolidated stockpile 1.0Average push gradient: 0 %Average site altitude: 5,940 feetMaterial weight: 2,550 lbs/LCYWeight description: Earth - Dry packedJob Condition Correction Factor

		<u>Source</u>
Operator Skill:	0.900	(AB.AVG.)
Material consistency:	1.000	(CAT HB)
Dozing method:	1.000	(GEN.)

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.5390

Adjusted unit production: 548.22 LCY/hr
Adjusted fleet production: **548.22** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.373/LCY

Total job time: **13.24** Hours
Total job cost: **\$2,707.36**

REVEGETATION WORKTask description: RevegetationSite: Disappointment VallePermit Action: 2013 InspectionPermit/Job#: M1980038PROJECT IDENTIFICATIONTask #: 004State: ColoradoAbbreviation: NoneDate: 7/1/2013County: San MiguelFilename: M038-004User: KAPAgency or organization name: DRMSFERTILIZING**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
10-34-0, 18-46-0, 5-10-5	200.00	pound	\$0.33	\$65.40
			Total Fertilizer Materials Cost/Acre	\$65.40

Application

Description	Cost /Acre
Tractor towed spreader (MEANS 32 01 90.13 0120)	\$52.71
Total Fertilizer Application Cost/Acre	\$52.71

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$98.01
Total Tilling Cost/Acre	\$98.01

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Blue Grama - Native	0.65	10.61	\$6.73
Indian Ricegrass - Native	2.50	8.09	\$16.85
Sand Dropseed	0.08	9.55	\$0.56
Crested Wheatgrass - Fairway	1.00	4.59	\$2.42
Intermediate Wheatgrass - Oahe	4.00	8.54	\$8.64
Sainfoin - Eski	2.00	0.87	\$5.02
Sage, Fringed	0.01	0.84	\$0.70
Saltbush, Four Wing - Dewinged	1.50	2.41	\$28.74
Winter Fat	1.00	2.55	\$32.69
Totals Seed Mix	12.74	48.05	\$102.35

Application

Description	Cost /Acre
Drill seeding (DRMS Cost Data)	\$88.20
Total Seed Application Cost/Acre	\$88.20

MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - Curtail @ 4.0 pt/ac	1.00	ACRE	\$16.24	\$16.24
Total Mulch Materials Cost/Acre				\$16.24

Application

Description	Cost /Acre
Weed spray, truck, non-aquatic area, nox. [DMG]	\$61.49
Total Mulch Application Cost/Acre	\$61.49

NURSERY STOCK PLANTING

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

JOB TIME AND COST

No. of Acres: 4 Cost /Acre: \$484.40
 Estimated Failure Rate: 25% Cost /Acre*: \$484.40
 *Selected Replanting Work Items: FERTILIZING, TILLING, SEEDING, MULCHING

Initial Job Cost: \$1,937.60
 Reseeding Job Cost: \$484.40
 Total Job Cost: \$2,422.00
 Job Hours: 8.00

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: Mobilize/DemobilizeSite: Disappointment Valle Permit Action: 2013 Inspection Permit/Job#: M1980038**PROJECT IDENTIFICATION**

Task #: 005 State: Colorado Abbreviation: None
 Date: 7/1/2013 County: San Miguel Filename: M038-005
 User: KAP

Agency or organization name: DRMS**EQUIPMENT TRANSPORT RIG COST**

Shift basis: 1 per day
 Cost Data Source: 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 (25T, 50T, AND 100T)**Cost Breakdown:**

Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons
Ownership Cost/Hour:	\$16.63	\$18.37	\$22.33
Operating Cost/Hour:	\$44.38	\$46.13	\$50.07
Operator Cost/Hour:	\$27.66	\$27.66	\$27.66
Helper Cost/Hour:	\$0.00	\$25.39	\$25.39
Total Unit Cost/Hour:	\$88.67	\$117.55	\$125.45

NON ROADABLE EQUIPMENT:

Machine Description	Weight/ Unit (TONS)	Owner ship Cost/hr/ unit	Haul Rig Cost/hr/unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Cat D8T - 8SU	47.71	\$56.69	\$117.55	1	\$174.24	\$117.55	\$0.00
Drill/Broadcast Seeder with Tractor	25.00	\$39.59	\$88.67	1	\$128.26	\$88.67	\$0.00

Subtotals: **\$302.50** **\$206.22** **\$0.00**

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 3/4 T.	\$38.36	1	\$38.36	\$38.36

Subtotals: **\$38.36** **\$38.36**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	DOVE CREEK	
Total one-way travel distance:	32.00	miles
Average Travel Speed:	40.00	mph

Total Non-Roadable Mob/Demob Cost *	\$1,418.95
** two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	\$61.38
** one round trip, no haul rig:	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.80	0.80
Return Time (Hours):	0.80	0.80
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	2.60	1.60

JOB TIME AND COST

Total job time:	5.20	Hours
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Total job cost:	\$1,480.33
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