

STATE OF COLORADO

DIVISION OF RECLAMATION, MINING AND SAFETY

Department of Natural Resources

1313 Sherman St., Room 215

Denver, Colorado 80203

Phone: (303) 866-3567

FAX: (303) 832-8106



John W. Hickenlooper
Governor

Mike King
Executive Director

Loretta E. Piñeda
Director

May 2, 2013

Mr. Gayle Lyman
Elam Construction, Inc. dba Sandco, Inc.
556 Struthers Ave.
Grand Junction, CO 81501

Re: Willow Bend, Permit No. M-1986-165, Financial Warranty Increase, Revision No. SI-1

Dear Mr. Lyman:

On May 2, 2013 the Division of Reclamation, Mining and Safety increased the current Financial Warranty for this permit to \$6,647.21, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of \$2,369.21.

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.

Sincerely,

Kate A. Pickford
Environmental Protection Specialist

COST SUMMARY WORK

Task description: SO-02

Site: Willow Bend

Permit Action: SO-02

Permit/Job#: M1986165

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 5/2/2013

County: La Plata

Filename: M165-000

User: KAP

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Grade and rip affected area (2 ac.), including road	DOZER	1	15.79	\$2,576.04
002	Revegetate Upland area	REVEGE	1	3.00	\$1,399.37
003	Mobilize/Demobilize	MOBILIZE	1	2.57	\$977.89
<u>SUBTOTALS:</u>				21.36	\$4,953.30

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 0.00%

Total = \$0.00

Performance bond: 0.00%

Total = \$0.00

Job superintendent: 10.68 hrs

Total = \$698.58

Profit: 10.00%

Total = \$495.33

TOTAL O & P = \$1,193.91

CONTRACT AMOUNT (direct + O & P) = \$6,147.21

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 = \$1,693.91

TOTAL BOND AMOUNT (direct + indirect) = \$6,647.21

BULLDOZER WORKTask description: Grade and rip affected area (2 ac.), including roadSite: Willow BendPermit Action: SO-02Permit/Job#: M1986165PROJECT IDENTIFICATIONTask #: 001State: ColoradoAbbreviation: NoneDate: 5/2/2013County: La PlataFilename: M165-001User: KAPAgency or organization name: DRMSHOURLY EQUIPMENT COSTBasic Machine: Cat D7R DS Series II LGPHorsepower: 238Blade Type: StraightAttachment: 3-shank ripperShift Basis: 1 per dayData Source: (CRG)Cost Breakdown:

		<u>Utilization %</u>
Ownership Cost/Hour:	\$44.66	NA
Operating Cost/Hour:	\$81.07	100
Ripper op. Cost/Hour:	\$0.00	100
Operator Cost/Hour:	\$37.41	NA

Total unit Cost/Hour: \$0.00Total Fleet Cost/Hour: \$163.14MATERIAL QUANTITIESInitial Volume: 3,227Swell factor: 1.125Loose volume: 3,630 LCYSource of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell factor: Cat HandbookHOURLY PRODUCTIONAverage push distance: 65 feetUnadjusted hourly production: 650.0 LCY/hrMaterials consistency description: Compacted fill or embankment 0.9Average push gradient: 0 %Average site altitude: 6,500 feetMaterial weight: 2,550 lbs/LCYWeight description: Earth - Dry packedJob Condition Correction Factor

		<u>Source</u>
Operator Skill:	0.750	(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:	0.700	(FND-MF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3537

Adjusted unit production: 229.91 LCY/hr

Adjusted fleet production: 229.91 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.710/LCY

Total job time: 15.79 Hours
Total job cost: \$2,576.04

REVEGETATION WORKTask description: Revegetate Upland areaSite: Willow BendPermit Action: SO-02Permit/Job#: M1986165PROJECT IDENTIFICATIONTask #: 002State: ColoradoAbbreviation: NoneDate: 5/2/2013County: La PlataFilename: M165-002User: KAPAgency or organization name: DRMSFERTILIZING**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
10-34-0, 18-46-0, 5-10-5	100.00	pound	\$0.33	\$32.70
			Total Fertilizer Materials Cost/Acre	\$32.70

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
Smooth Brome - Manchar	3.25	10.82	\$6.40
Pubescent Wheatgrass - Luna	3.75	7.75	\$8.40
Streambank Wheatgrass - Sodar	2.75	8.96	\$11.58
Totals Seed Mix	9.75	27.53	\$26.38

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
Straw, delivered {MEANS 31 25 14.16 1200}	0.50	TON	\$265.00	\$132.50
Total Mulch Materials Cost/Acre				\$132.50

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$65.89
Power mulcher (MEANS 32 91 13.16 0250)	\$86.68
Total Mulch Application Cost/Acre	\$152.57

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: 2 Cost /Acre: \$583.07
 Estimated Failure Rate: 20% Cost /Acre*: \$583.07
 *Selected Replanting Work Items: FERTILIZING,TILLING,SEEDING,MU
LCHING

Initial Job Cost: \$1,166.14
 Reseeding Job Cost: \$233.23
 Total Job Cost: \$1,399.37
 Job Hours: 3.00

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: Mobilize/DemobilizeSite: Willow BendPermit Action: SO-02Permit/Job#: M1986165**PROJECT IDENTIFICATION**Task #: 003State: ColoradoAbbreviation: NoneDate: 5/2/2013County: La PlataFilename: M165-003User: KAPAgency or organization name: DRMS**EQUIPMENT TRANSPORT RIG COST**Shift basis: 1 per dayCost Data Source: CRG DataTruck 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 D7R DS Series II LGP	34.57	\$44.66	\$117.55	1	\$162.21	\$117.55	\$0.00
Drill/Broadcast Seeder with Tractor	25.00	\$39.59	\$88.67	1	\$128.26	\$88.67	\$0.00
Power Mulcher (Reinco M90)	6.00	\$7.03	\$88.67	1	\$95.70	\$88.67	\$0.00

Subtotals: **\$386.17** **\$294.89** **\$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:	<u>DURANGO</u>	
Total one-way travel distance:	<u>5.00</u>	miles
Average Travel Speed:	<u>35.00</u>	mph

Total Non-Roadable Mob/Demob Cost *	<u>\$966.93</u>
'* two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	<u>\$10.96</u>
** one round trip, no haul rig:	

Transportation Cycle Time:

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

JOB TIME AND COST

Total job time:	<u>2.57</u>	Hours
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Total job cost:	<u>\$977.89</u>
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