

August 8, 2016

Clint Beck
Colorado Lien Company
P.O. Box 440
Rapid City, SD 57702



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

1313 Sherman Street, Room 215
Denver, CO 80203

RE: Rifle Quarry, Permit No. M-1985-038, Technical Revision (TR-2) Approval

Dear Mr. Beck:

On August 8, 2016 the Division of Reclamation, Mining and Safety (Division) approved the Technical Revision request (TR-2) submitted on July 21, 2016, addressing the following:

Updated Reclamation Plan for remaining 1.65 acres (DOI-BLM-N040-2016-0058-CX)

The terms of the TR-2 approved by the Division are hereby incorporated into Permit No. M-1985-038. All other conditions and requirements of the permit remain in full force and effect.

Currently the Division holds a reclamation bond in the amount of \$53,640 for this site. The Division has determined this amount to be adequate.

If you require additional information, or have questions or concerns, please feel free to contact me. Amy Yeldell at the Division of Reclamation, Mining and Safety, 1313 Sherman St., Room 215, Denver, CO 80203. Direct contact can be made by phone at 970-254-8511 or via email at amy.yeldell@state.co.us

Sincerely,

Amy Yeldell

Environmental Protection Specialist
Department of Natural Resources
Division of Reclamation, Mining and Safety
Phone: (970) 254-8511
Fax: (970) 241-1516

Cc:

Russ Means, Senior EPS, Grand Junction DRMS
Jessica Lopez Pearce, Colorado River Valley Field Office BLM



COST SUMMARY WORK

Task description: Updated based on TR-2

Site: Rifle Quarry

Permit Action: TR-2

Permit/Job#: M1985038

PROJECT IDENTIFICATION

Task #: ACY

State: Colorado

Abbreviation: None

Date: 8/8/2016

County: Garfield

Filename: M038-ACY

User: ACY

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Initial 1.65 acres remaining	REVEGE	1	20.00	\$28,532.00
01b	Secondary Reveg 0.55 acres	REVEGE	1	10.00	\$9,443.00
02a	Initial Reveg Mob	MOBILIZE	1	3.71	\$969.00
03a	Initial Reveg Mob	MOBILIZE	1	3.71	\$969.00
<u>SUBTOTALS:</u>				37.42	\$39,913

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02
Performance bond: 1.05
Job superintendent: 0.00
Profit: 10.00

Total = \$806.24

Total = \$419.09

Total = \$0.00

Total = \$3,991.30

TOTAL O & P = \$5,216.63

CONTRACT AMOUNT (direct + O & P) = \$45,129.63

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: 5.00

\$2,256.48

CONTINGENCY: 0.00

Total = \$0.00

TOTAL INDIRECT COST = \$7,973.11

TOTAL BOND AMOUNT (direct + indirect) = \$47,886.11

Total Rounded to = \$47,886

REVEGETATION WORKTask description: Initial 1.65 acres remainingSite: Rifle QuarryPermit Action: TR-2Permit/Job#: M1985038PROJECT IDENTIFICATIONTask #: 01AState: ColoradoAbbreviation: NoneDate: 8/8/2016County: GarfieldFilename: M038-01aUser: ACYAgency or organization name: DRMSFERTILIZING**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Manure, 43.56 tons/ac. (MEANS 32 91 13.23 4400)	4.20	acre	\$3,944.60	\$16,567.32
			Total Fertilizer Materials Cost/Acre	\$16,567.32

Application

Description	Cost /Acre
Manure, tractor spreader (MEANS 32 91 13.23 4450)	\$60.55
Total Fertilizer Application Cost/Acre	\$60.55

TILLING

Description	Cost /Acre
Subsoiling, heavy, 18" depth {DMG}	\$208.90
Total Tilling Cost/Acre	\$208.90

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Canby Bluegrass - Canbar	0.40	8.50	\$3.36
Slender Wheatgrass - Pryor	2.60	9.49	\$8.06
Rabbitbrush, Rubber	0.40	5.96	\$14.93
Sagebrush, Mountain or Big	0.10	5.28	\$3.44
Prairie Junegrass	0.15	7.97	\$5.17
Flax, Lewis Blue	1.40	9.29	\$23.17
Yarrow, Western	0.90	54.72	\$27.65
Bluebunch Wheatgrass - Goldar	3.30	10.61	\$18.18
Totals Seed Mix	9.25	111.82	\$103.96

Application

Description	Cost /Acre
Broadcast seeding [DMG]	\$261.80
Total Seed Application Cost/Acre	\$261.80

MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - Tordon 22K @ 1.0 pt/ac	1.00	ACRE	\$6.46	\$6.46
Total Mulch Materials Cost/Acre				\$6.46

Application

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

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: 1.65 Cost /Acre: \$17,328.46
 Estimated Failure Rate: 0% Cost /Acre*: \$17,328.46
 *Selected Replanting Work Items: FERTILIZING,TILLING,SEEDING,MULCHING

Initial Job Cost: **\$28,591.96**
 Reseeding Job Cost: **\$0.00**
 Total Job Cost: **\$28,592**
 Job Hours: **20.00**

REVEGETATION WORKTask description: Secondary Reveg 0.55 acresSite: Rifle QuarryPermit Action: TR-2Permit/Job#: M1985038PROJECT IDENTIFICATIONTask #: 01BState: ColoradoAbbreviation: NoneDate: 8/8/2016County: GarfieldFilename: M038-01bUser: ACYAgency or organization name: DRMSFERTILIZING**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Manure, 43.56 tons/ac. (MEANS 32 91 13.23 4400)	4.20	acre	\$3,944.60	\$16,567.32
			Total Fertilizer Materials Cost/Acre	\$16,567.32

Application

Description	Cost /Acre
Manure, tractor spreader (MEANS 32 91 13.23 4450)	\$60.55
Total Fertilizer Application Cost/Acre	\$60.55

TILLING

Description	Cost /Acre
	\$
Total Tilling Cost/Acre	\$0.00

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Canby Bluegrass - Canbar	0.40	8.50	\$3.36
Slender Wheatgrass - Pryor	2.60	9.49	\$8.06
Prairie Junegrass	0.15	7.97	\$5.17
Flax, Lewis Blue	1.40	9.29	\$23.17
Yarrow, Western	0.90	54.72	\$27.65
Bluebunch Wheatgrass - Goldar	3.30	10.61	\$18.18
Totals Seed Mix	8.75	100.58	\$85.59

Application

Description	Cost /Acre
Broadcast seeding [DMG]	\$261.80
Total Seed Application Cost/Acre	\$261.80

MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - Tordon 22K @ 1.0 pt/ac	1.00	ACRE	\$6.46	\$6.46
Total Mulch Materials Cost/Acre				\$6.46

Application

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

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
Rabbitbrush, Rubber	15	Tubling, 3 cu. in. container (MEANS)	\$1.09	\$2.40	\$16.35
Sagebrush, Mountain or Big	15	Tubling, 3 cu. in. container (MEANS)	\$3.49	\$2.40	\$52.35
Totals Nursery Stock Cost / Acre					\$68.70

JOB TIME AND COST

No. of Acres: 0.55 Cost /Acre: \$17,169.89
 Estimated Failure Rate: 0% Cost /Acre*: \$0.00
 *Selected Replanting Work Items: NONE

Initial Job Cost: **\$9,443.44**
 Reseeding Job Cost: **\$0.00**
 Total Job Cost: **\$9,443**
 Job Hours: **10.00**

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Initial Reveg Mob**Site: **Rifle Quarry**Permit Action: **TR-2**Permit/Job#: **M1985038****PROJECT IDENTIFICATION**Task #: **02A**State: **Colorado**Abbreviation: **None**Date: **8/8/2016**County: **Garfield**Filename: **M038-02a**User: **ACY**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
Drill/Broadcast Seeder with Tractor	25.00	\$30.65	\$88.67	1	\$119.32	\$88.67	\$250.00

Subtotals: **\$119.32** **\$88.67** **\$250.00****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.	\$60.45	1	\$60.45	\$60.45

Subtotals: **\$60.45** **\$60.45**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: RIFLE
 Total one-way travel distance: 15.00 miles
 Average Travel Speed: 35.00 mph

Total Non-Roadable Mob/Demob Cost * \$916.92
 * two round trips with haul rig:
 Total Roadable Mob/Demob Cost ** \$51.81
 ** one round trip, no haul rig:

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.43	0.43
Return Time (Hours):	0.43	0.43
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.86	0.86

JOB TIME AND COST

Total job time: 3.71 Hours

Total job cost: \$969

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Initial Reveg Mob**Site: **Rifle Quarry**Permit Action: **TR-2**Permit/Job#: **M1985038****PROJECT IDENTIFICATION**Task #: **03A**State: **Colorado**Abbreviation: **None**Date: **8/8/2016**County: **Garfield**Filename: **M038-03a**User: **ACY**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
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JOB TIME AND COST

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