

STATE OF
COLORADO

Renfro - DNR, Joel <joel.renfro@state.co.us>

4406 Alaska, LLC Pit #1 SR-1 Cost Estimate

1 message

Renfro - DNR, Joel <joel.renfro@state.co.us>
To: Chris Eisenhard <chris.eisenhard@gmail.com>
Cc: Amy Eschberger - DNR <amy.eschberger@state.co.us>

Fri, Aug 29, 2025 at 2:09 PM

Hi Chris,

I'm gearing up to approve the surety reduction (SR-1) for the 4406 Alaska, LLC Pit #1. The good news is that the bond for the site can be significantly reduced. Accounting for the earthwork that has been completed and also the fact that the current disturbance is much less than what was initially bonded for, I was able to reduce the required bond from \$59,000 to \$17,198.

Please see the cost estimate attached to this email. If you have any questions or comments on it, please let me know. If you have no further comments, I can move forward with approving the surety reduction and initiate the 30-day appeal period before the reduction is finalized.

Best,

Joel Renfro
Environmental Protection Specialist



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

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**SR1 Bond Calculation.pdf**

388K

COST SUMMARY WORK

Task description: SR1 New Estimate

Site: 4406 Alaska, LLC Pit #1

Permit Action: SR1

Permit/Job#: M2010036

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 8/4/2025

County: Phillips

Filename: SR1

User: JR2

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Revegetate (11 Acres)	REVEGE	1	20.00	\$12,063
002	Mobilization/Demobilization	MOBILIZE	1	4.11	\$874
<u>SUBTOTALS:</u>				24.11	\$12,937

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$261

Performance bond: 1.05

Total = \$136

Job superintendent: 12.05

Total = \$905

Profit: 10.00

Total = \$1,294

TOTAL O & P = \$2,596

CONTRACT AMOUNT (direct + O & P) = \$15,533

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

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

Total = \$500

Engineering work and/or contract/bid preparation: 0.00

Total = \$0

Reclamation management and/or administration: 5.00

\$777

CONTINGENCY: 3.00

Total = \$388

TOTAL INDIRECT COST = \$4,261

TOTAL BOND AMOUNT (direct + indirect) = \$17,198

REVEGETATION WORKTask description: **Revegetate (11 Acres)**Site: **4406 Alaska**Permit Action: **SR1**Permit/Job#: **M2010036****PROJECT IDENTIFICATION**Task #: **001**State: **Colorado**Abbreviation: **None**Date: **8/28/2025**County: **Phillips**Filename: **M036-001**User: **JR2**Agency or organization name: **DRMS****FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Ammonium nitrate, 33-0-0	121.20	pound	\$0.66	\$79.66
Triple superphosphate, 0-46-0	86.90	pound	\$0.94	\$81.56
			Total Fertilizer Materials Cost/Acre	\$161.23

Application

Description	Cost /Acre
Tractor towed spreader (MEANS 32 01 90.13 0120)	\$46.17
Total Fertilizer Application Cost/Acre	\$46.17

TILLING

Description	Cost /Acre
Weed control spraying (MEANS 31 31 16.13 3100)	\$338.80
Total Tilling Cost/Acre	\$338.80

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Big Bluestem - Kaw	2.20	6.57	\$35.35
Indiangrass - Cheyenne	1.00	3.05	\$12.60
Switchgrass - Nebraska 28	2.00	17.86	\$22.79
Alfalfa - Ladak (inoculated)	0.80	3.86	\$3.26
Western Wheatgrass - Arriba	1.60	4.04	\$14.80
Totals Seed Mix	7.60	35.37	\$88.79

Application

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Description	Cost /Acre
Drill Seeding (DRMS Survey Cost)	\$242.30
Total Seed Application Cost/Acre	\$242.30

MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description	Cost /Acre
	\$
Total Mulch Application Cost/Acre	\$0.00

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: 11 Cost /Acre: \$877.29
 Estimated Failure Rate: 25% Cost /Acre*: \$877.29
 *Selected Replanting Work Items: FERTILIZING,TILLING,SEEDING

Initial Job Cost: \$9,650.19
 Reseeding Job Cost: \$2,412.55
 Total Job Cost: \$12,063
 Job Hours: 20.00

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Mobilization/Demobilization**Site: **4406 Alaska**Permit Action: **SR1**Permit/Job#: **M2010036****PROJECT IDENTIFICATION**Task #: **002**State: **Colorado**Abbreviation: **None**Date: **8/28/2025**County: **Phillips**Filename: **M036-002**User: **JR2**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:	\$21.47	\$38.32	\$48.96
Operating Cost/Hour:	\$31.47	\$60.11	\$65.86
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52
Helper Cost/Hour:	\$0.00	\$22.25	\$22.25
Total Unit Cost/Hour:	\$75.46	\$143.20	\$159.59

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	\$5.99	\$75.46	1	\$81.45	\$75.46	\$250.00

Subtotals: **\$81.45** **\$75.46** **\$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, 1 T. Crew	\$31.11	1	\$31.11	\$31.11

Subtotals: **\$31.11** **\$31.11**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: YUMA
 Total one-way travel distance: 35.00 miles
 Average Travel Speed: 45.00 mph

Total Non-Roadable Mob/Demob Cost * \$825.53
 ** two round trips with haul rig:

Total Roadable Mob/Demob Cost ** \$48.39
 ** one round trip, no haul rig:

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	<u>0.78</u>	<u>0.78</u>
Return Time (Hours):	<u>0.78</u>	<u>0.78</u>
Loading Time (Hours):	<u>0.25</u>	<u>NA</u>
Unloading Time (Hours):	<u>0.25</u>	<u>NA</u>
Subtotals:	<u>2.06</u>	<u>1.56</u>

JOB TIME AND COST

Total job time: 4.11 Hours

Total job cost: \$874