

COST SUMMARY WORK

Task description: Cost Summary

Site: Leone Gravel Pit Permit Action: 2021 Cost Estimate Permit/Job#: M2004026

PROJECT IDENTIFICATION

Task #: 000 State: Colorado Abbreviation: None
Date: 7/16/2021 County: Las Animas Filename: M026-000
User: DC1

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Revegetate 8.01 acres	REVEGE	1	8.00	\$13,027
002	Mob/Demob	MOBILIZE	1	1.88	\$1,470
<u>SUBTOTALS:</u>				9.88	\$14,497

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$293
Performance bond:	1.05	Total =	\$152
Job superintendent:	4.94	Total =	\$356
Profit:	10.00	Total =	\$1,450

TOTAL O & P = \$2,251

CONTRACT AMOUNT (direct + O & P) = \$16,748

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	<u>\$500</u>	Total =	<u>\$500</u>
Engineering work and/or contract/bid preparation:	<u>4.25</u>	Total =	<u>\$712</u>
Reclamation management and/or administration:	<u>5.00</u>		<u>\$837</u>

CONTINGENCY: 0.00 Total = \$0

TOTAL INDIRECT COST = \$4,300

TOTAL BOND AMOUNT (direct + indirect) = \$18,800 (Rounded)

REVEGETATION WORK

Task description: Revegetate 8.01 acres

Site: Leone Gravel Pit

Permit Action: 2021 Cost Estimate

Permit/Job#: M2004026

PROJECT IDENTIFICATION

Task #: 001

State: Colorado

Abbreviation: None

Date: 7/16/2021

County: Las Animas

Filename: M026-001

User: DC1

Agency or organization name: DRMS

FERTILIZING

Materials

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
Chisel plowing {DMG}	\$96.50
Weed control spraying (MEANS 31 31 16.13 3100)	\$290.40
Total Tilling Cost/Acre	\$386.90

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Nespar	1.25	4.05	\$11.09
Blue Grama - Lovington	0.30	4.90	\$4.79
Sideoats Grama - El Reno	3.60	11.82	\$30.15
Western Wheatgrass - Arriba	6.40	16.16	\$41.60
Totals Seed Mix	11.55	36.92	\$87.64

Application

Description	Cost /Acre
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Drill Seeding (DRMS Survey Cost)	\$232.00
Total Seed Application Cost/Acre	\$232.00

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$307.02	\$614.04
Total Mulch Materials Cost/Acre				\$614.04

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$71.57
Power mulcher (MEANS 32 91 13.16 0350)	\$106.29
Total Mulch Application Cost/Acre	\$177.86

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:	8.01	Cost /Acre:	\$1,498.44
Estimated Failure Rate:	40%	Cost /Acre*:	\$319.64
*Selected Replanting Work Items:	SEEDING		
Initial Job Cost:	\$12,002.50		
Reseeding Job Cost:	\$1,024.13		
Total Job Cost:	\$13,027		
Job Hours:	8.00		

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: **Mob/Demob**

Site: **Leone Gravel Pit**

Permit Action: 2021 Cost Estimate

Permit/Job#: M2004026

PROJECT IDENTIFICATION

Task #: 002

State: Colorado

Abbreviation: None

Date: 7/16/2021

County: Las Animas

Filename: M026-002

User: DC1

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:	\$21.28	\$37.94	\$47.67
Operating Cost/Hour:	\$26.55	\$50.48	\$56.21
Operator Cost/Hour:	\$20.54	\$20.54	\$20.54
Helper Cost/Hour:	\$0.00	\$23.53	\$23.53
Total Unit Cost/Hour:	\$68.37	\$132.49	\$147.95

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	\$7.98	\$68.37	2	\$152.70	\$136.74	\$250.00
Power Mulcher (Bowie LD-90)	6.00	\$14.98	\$68.37	1	\$83.35	\$68.37	\$250.00

Subtotals: **\$236.05** **\$205.11** **\$500.00**

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.	\$85.73	1	\$85.73	\$85.73
Subtotals:			\$85.73	\$85.73

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: TRINIDAD

Total one-way travel distance: 10.00 miles

Average Travel Speed: 45.00 mph

Total Non-Roadable Mob/Demob Cost * \$1,432.12

 '* two round trips with haul rig:

Total Roadable Mob/Demob Cost ** \$38.10

 '** one round trip, no haul rig:

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	<u>0.22</u>	<u>0.22</u>
Return Time (Hours):	<u>0.22</u>	<u>0.22</u>
Loading Time (Hours):	<u>0.25</u>	<u>NA</u>
Unloading Time (Hours):	<u>0.25</u>	<u>NA</u>
Subtotals:	<u>0.94</u>	<u>0.44</u>

JOB TIME AND COST

Total job time: 1.89 Hours

Total job cost: \$1,470