

COST SUMMARY WORKTask description: Cost SummarySite: White Sand & Gravel Pit #1Permit Action: May 2019 InspectionPermit/Job#: M2010062**PROJECT IDENTIFICATION**

Task #: 000 State: Colorado Abbreviation: None
 Date: 5/20/2019 County: Baca Filename: M062-000
 User: JLE

Agency or organization name: DRMS**TASK LIST (DIRECT COSTS)**

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Revegetation of the affected land	REVEGE	1	3.00	\$2,009
002	Mobilization	MOBILIZE	1	3.00	\$1,699
<u>SUBTOTALS:</u>				6	\$3,708

INDIRECT COSTS**OVERHEAD AND PROFIT:**

Liability insurance:	2.02	Total =	\$75
Performance bond:	1.05	Total =	\$39
Job superintendent:	3.00	Total =	\$219
Profit:	10.00	Total =	\$371
		TOTAL O & P =	\$704
		CONTRACT AMOUNT (direct + O & P) =	\$4,412

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	\$0	Total =	\$0
Engineering work and/or contract/bid preparation:	10.00	Total =	\$441
Reclamation management and/or administration:	5.00		\$221

CONTINGENCY:	0.00	Total =	\$0
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TOTAL INDIRECT COST =	\$1,366
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TOTAL BOND AMOUNT (direct + indirect) =	\$5,074
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REVEGETATION WORKTask description: Revegetation of the affected landSite: White Sand & Gravel Pit #1Permit Action: May 2019 InspectionPermit/Job#: M2010062**PROJECT IDENTIFICATION**Task #: 001
Date: 5/20/2019
User: JLEState: Colorado
County: BacaAbbreviation: None
Filename: M062-001Agency 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
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$106.29
Weed control spraying (MEANS 31 31 16.13 3100)	\$193.60
Total Tilling Cost/Acre	\$299.89

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Alfalfa - Common	0.25	1.21	\$0.65
Indiangrass - Holt	0.30	0.91	\$5.28
Switchgrass - Pathfinder	0.80	7.14	\$8.17
Little Bluestem - Cimarron	1.80	10.74	\$26.42
Prairie Clover, Purple - Kaneb	0.10	0.68	\$5.79
Sand Bluestem - Garden Co.	0.60	1.56	\$15.16
Yellow Sweet Clover - Madrid	0.25	1.49	\$0.72
Sunflower (or daisy), Oxe-eye	0.05	0.14	\$1.74

Totals Seed Mix	4.15	23.88	\$63.94
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Application

Description	Cost /Acre
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
			\$	\$
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:	3	Cost /Acre:	\$595.83
Estimated Failure Rate:	25%	Cost /Acre*:	\$295.94
*Selected Replanting Work Items:	SEEDING		

Initial Job Cost:	\$1,787.49
Reseeding Job Cost:	\$221.96
Total Job Cost:	\$2,009
Job Hours:	3.00

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Mobilization**Site: **White Sand & Gravel Pit #1**Permit Action: **May 2019 Inspection**Permit/Job#: **M2010062****PROJECT IDENTIFICATION**

Task #: **002** State: **Colorado** Abbreviation: **None**
 Date: **5/20/2019** County: **Baca** Filename: **M062-002**
 User: **JLE**

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	\$15.54	\$88.67	2	\$208.42	\$177.34	\$500.00

Subtotals: **\$208.42** **\$177.34** **\$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.	\$104.94	1	\$104.94	\$104.94

Subtotals: **\$104.94** **\$104.94**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	<u>ELKHART, KS</u>	
Total one-way travel distance:	<u>15.00</u>	miles
Average Travel Speed:	<u>30.00</u>	mph

Total Non-Roadable Mob/Demob Cost *	
** two round trips with haul rig:	<u>\$1,594.18</u>
Total Roadable Mob/Demob Cost **	
** one round trip, no haul rig:	<u>\$104.94</u>

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.50	0.50
Return Time (Hours):	0.50	0.50
Loading Time (Hours):	0.25	NA
Unloading Time (Hours):	0.25	NA
Subtotals:	1.50	1.00

JOB TIME AND COST

Total job time: 3.00 Hours

Total job cost: \$1,699