

COST SUMMARY WORK

Task description: _____

Site: **North River Gravel Pit** Permit Action: _____
Extension 03-2022 Permit/Job#: **M1999007**

PROJECT IDENTIFICATION

Task #: ACY State: Colorado Abbreviation: None
Date: 3/14/2022 County: Rio Blanco Filename: M007-ACY
User: ACY

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Revegetate disturbed area	REVEGE	1	24.00	\$31,423
02a	Initial Mobilization	MOBILIZE	1	9.20	\$2,809
02b	Secondary Mobilization	MOBILIZE	1	9.20	\$2,533
<u>SUBTOTALS:</u>				42.4	\$36,765

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$743
Performance bond:	1.05	Total =	\$386
Job superintendent:	16.00	Total =	\$1,152
Profit:	10.00	Total =	\$3,676

TOTAL O & P = \$5,958

CONTRACT AMOUNT (direct + O & P) = \$42,723

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>0.00</u>	Total =	<u>\$0</u>
Reclamation management and/or administration:	<u>5.00</u>		<u>\$2,136</u>

CONTINGENCY: 3.00 Total = \$1,103

TOTAL INDIRECT COST = \$9,697

TOTAL BOND AMOUNT (direct + indirect) = \$46,462

REVEGETATION WORKTask description: Revegetate disturbed areaSite: North River Gravel Pit
ExtensionPermit Action: 03-2022Permit/Job#: M1999007**PROJECT IDENTIFICATION**Task #: 01A
Date: 3/14/2022
User: ACYState: Colorado
County: Rio BlancoAbbreviation: None
Filename: M007-01aAgency 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)	\$114.56
Total Tilling Cost/Acre	\$114.56

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Paloma	8.00	25.90	\$89.00
Bottlebrush Squirreltail	5.00	22.04	\$81.13
Sandberg Bluegrass - VNS	1.00	21.24	\$8.40
Saltbush, Four Wing	2.50	3.44	\$31.25
Saltbush, Shadscale	2.00	2.98	\$20.00
Totals Seed Mix	18.50	75.60	\$229.78

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
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$2.98	\$2.98
Herbicide - Plateau @ 1.0 pt/ac	2.00	ACRE	\$10.99	\$21.98
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$307.02	\$614.04
Total Mulch Materials Cost/Acre				\$639.00

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$71.57
Power mulcher (MEANS 32 91 13.16 0350)	\$106.29
Weed spray, truck, non-aquatic area, nox. [DMG]	\$62.72
Weed spray, truck, non-aquatic areas, ann. [DMG]	\$22.81
Total Mulch Application Cost/Acre	\$263.39

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: 17 Cost /Acre: \$1,478.73
 Estimated Failure Rate: 25% Cost /Acre*: \$1,478.73
 *Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: \$25,138.41
 Reseeding Job Cost: \$6,284.60
 Total Job Cost: \$31,423
 Job Hours: 24.00

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Initial Mobilization**Site: **North River Gravel Pit
Extension**Permit Action: **03-2022**Permit/Job#: **M1999007****PROJECT IDENTIFICATION**

Task #: **02A** State: **Colorado** Abbreviation: **None**
 Date: **3/14/2022** County: **Rio Blanco** Filename: **M007-02a**
 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:	\$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	1	\$76.35	\$68.37	\$250.00
Power Mulcher (Bowie LD-90)	6.00	\$14.98	\$68.37	1	\$83.35	\$68.37	\$250.00
Subtotals:					\$159.70	\$136.74	\$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.	\$40.61	1	\$40.61	\$40.61
Flatbed Truck, 6x4, 45K GVW	\$76.83	1	\$76.83	\$76.83
Subtotals:			\$117.44	\$117.44

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	<u>GRAND JUNCTION</u>	
Total one-way travel distance:	<u>90.00</u>	miles
Average Travel Speed:	<u>50.00</u>	mph

Total Non-Roadable Mob/Demob Cost *	<u>\$2,386.58</u>
** two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	<u>\$422.78</u>
** one round trip, no haul rig:	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	1.80	1.80
Return Time (Hours):	1.80	1.80
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	4.60	3.60

JOB TIME AND COST

Total job time: 9.20 Hours

Total job cost: \$2,809

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Secondary Mobilization**Site: **North River Gravel Pit
Extension**Permit Action: **03-2022**Permit/Job#: **M1999007****PROJECT IDENTIFICATION**

Task #: **02B** State: **Colorado** Abbreviation: **None**
 Date: **3/14/2022** County: **Rio Blanco** Filename: **M007-02b**
 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:	\$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	1	\$76.35	\$68.37	\$250.00
Power Mulcher (Bowie LD-90)	6.00	\$14.98	\$68.37	1	\$83.35	\$68.37	\$250.00
Subtotals:					\$159.70	\$136.74	\$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.	\$40.61	1	\$40.61	\$40.61
Subtotals:			\$40.61	\$40.61

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	<u>GRAND JUNCTION</u>	
Total one-way travel distance:	<u>90.00</u>	miles
Average Travel Speed:	<u>50.00</u>	mph

Total Non-Roadable Mob/Demob Cost *	<u>\$2,386.58</u>
** two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	<u>\$146.20</u>
** one round trip, no haul rig:	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	<u>1.80</u>	<u>1.80</u>
Return Time (Hours):	<u>1.80</u>	<u>1.80</u>
Loading Time (Hours):	<u>0.50</u>	<u>NA</u>
Unloading Time (Hours):	<u>0.50</u>	<u>NA</u>
Subtotals:	<u>4.60</u>	<u>3.60</u>

JOB TIME AND COST

Total job time: 9.20 Hours

Total job cost: \$2,533