

## COST SUMMARY WORK

Task description: Pierce Pit SO-01 Bond Estimate

Site: Pierce Pit

Permit Action: SO-01 Bond Estimate

Permit/Job#: M1980121

### PROJECT IDENTIFICATION

Task #: 001

State: Colorado

Abbreviation: None

Date: 3/11/2021

County: Weld

Filename: M121-001

User: PSH

Agency or organization name: DRMS

### TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
002	Revegetate Slopes	REVEGE	1	40.00	\$19,126
003	Interseeding and Weed Control for Well-Vegetated Slopes	REVEGE	1	40.00	\$7,871
004	Mob / Demob	MOBILIZE	1	4.80	\$1,775
<b><u>SUBTOTALS:</u></b>				<b>84.8</b>	<b>\$28,772</b>

### INDIRECT COSTS

#### OVERHEAD AND PROFIT:

Liability insurance: 2.02  
Performance bond: 1.05  
Job superintendent: 42.40  
Profit: 10.00

Total = \$581

Total = \$302

Total = \$2,949

Total = \$2,877

TOTAL O & P = \$6,709

CONTRACT AMOUNT (direct + O & P) = \$35,481

#### LEGAL - ENGINEERING - PROJECT MANAGEMENT:

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

Total = \$500

Engineering work and/or contract/bid preparation: 4.25

Total = \$1,508

Reclamation management and/or administration: 5.00

\$1,774

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$10,491

**TOTAL BOND AMOUNT (direct + indirect) = \$39,000 (Rounded)**

**REVEGETATION WORK**Task description: Revegata SlopesSite: Pierce PitPermit Action: SO-01 Bond EstimatePermit/Job#: M1980121**PROJECT IDENTIFICATION**Task #: 002State: ColoradoAbbreviation: NoneDate: 3/11/2021County: WeldFilename: M121-002User: PSHAgency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
			<b>Total Fertilizer Materials Cost/Acre</b>	<b>\$0.00</b>

**Application**

Description	Cost /Acre
	\$
<b>Total Fertilizer Application Cost/Acre</b>	<b>\$0.00</b>

**TILLING**

Description	Cost /Acre
Chisel plowing {DMG}	\$94.63
Weed control spraying (MEANS 31 31 16.13 3100)	\$193.60
<b>Total Tilling Cost/Acre</b>	<b>\$288.23</b>

**SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Switchgrass - Blackwell	0.45	4.02	\$5.18
Blue Grama - Lovington	0.60	9.79	\$9.59
Little Bluestem - Pastura	0.70	4.18	\$9.44
Sideoats Grama - Vaughn	4.50	14.77	\$37.69
<b>Totals Seed Mix</b>	<b>6.25</b>	<b>32.76</b>	<b>\$61.89</b>

**Application**

--	--

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

**MULCHING and MISCELLANEOUS****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Hay, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$301.00	\$602.00
<b>Total Mulch Materials Cost/Acre</b>				<b>\$602.00</b>

**Application**

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$70.17
Weed spray, truck, non-aquatic area, nox. [DMG]	\$62.72
Weed spray, truck, non-aquatic areas, ann. [DMG]	\$22.81
<b>Total Mulch Application Cost/Acre</b>	<b>\$155.70</b>

**NURSERY STOCK PLANTING**

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
<b>Totals Nursery Stock Cost / Acre</b>					<b>\$0.00</b>

**JOB TIME AND COST**

No. of Acres: 11.42                      Cost /Acre: \$1,339.82  
 Estimated Failure Rate: 25%                      Cost /Acre\*: \$1,339.82  
 \*Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: **\$15,300.74**  
 Reseeding Job Cost: **\$3,825.19**  
 Total Job Cost: **\$19,126**  
 Job Hours: **40.00**

**REVEGETATION WORK**Task description: **Interseeding and Weed Control for Well-Vegetated Slopes**Site: **Pierce Pit**Permit Action: **SO-01 Bond Estimate**Permit/Job#: **M1980121****PROJECT IDENTIFICATION**Task #: **003**State: **Colorado**Abbreviation: **None**Date: **3/11/2021**County: **Weld**Filename: **M121-003**User: **PSH**Agency or organization name: **DRMS****FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
			<b>Total Fertilizer Materials Cost/Acre</b>	<b>\$0.00</b>

**Application**

Description	Cost /Acre
	\$
<b>Total Fertilizer Application Cost/Acre</b>	<b>\$0.00</b>

**TILLING**

Description	Cost /Acre
Chisel plowing {DMG}	\$94.63
Weed control spraying (MEANS 31 31 16.13 3100)	\$193.60
<b>Total Tilling Cost/Acre</b>	<b>\$288.23</b>

**SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Switchgrass - Blackwell	0.45	4.02	\$5.18
Blue Grama - Lovington	0.60	9.79	\$9.59
Little Bluestem - Pastura	0.70	4.18	\$9.44
Sideoats Grama - Vaughn	4.50	14.77	\$37.69
<b>Totals Seed Mix</b>	<b>6.25</b>	<b>32.76</b>	<b>\$61.89</b>

**Application**

--	--

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

## MULCHING and MISCELLANEOUS

## Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Hay, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$301.00	\$602.00
<b>Total Mulch Materials Cost/Acre</b>				<b>\$602.00</b>

## Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$70.17
Weed spray, truck, non-aquatic area, nox. [DMG]	\$62.72
Weed spray, truck, non-aquatic areas, ann. [DMG]	\$22.81
<b>Total Mulch Application Cost/Acre</b>	<b>\$155.70</b>

## 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:	4.7	Cost /Acre:	\$1,339.82
Estimated Failure Rate:	25%	Cost /Acre*:	\$1,339.82
*Selected Replanting Work Items:	TILLING,SEEDING,MULCHING		
Initial Job Cost:	\$6,297.15		
Reseeding Job Cost:	\$1,574.29		
Total Job Cost:	\$7,871		
Job Hours:	40.00		

**EQUIPMENT MOBILIZATION/DEMOBILIZATION**Task description: **Mob / Demob**Site: **Pierce Pit**Permit Action: **SO-01 Bond Estimate**Permit/Job#: **M1980121****PROJECT IDENTIFICATION**Task #: **004**State: **Colorado**Abbreviation: **None**Date: **3/11/2021**County: **Weld**Filename: **M121-004**User: **PSH**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:**

<b>Available Rig Capacities</b>	<b>0-25 Tons</b>	<b>26-50 Tons</b>	<b>51+ Tons</b>
Ownership Cost/Hour:	\$17.20	\$29.63	\$38.69
Operating Cost/Hour:	\$26.56	\$47.02	\$55.69
Operator Cost/Hour:	\$23.63	\$23.63	\$23.63
Helper Cost/Hour:	\$0.00	\$23.53	\$23.53
Total Unit Cost/Hour:	\$67.39	\$123.81	\$141.54

**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	\$6.72	\$67.39	1	\$74.11	\$67.39	\$250.00
Power Mulcher (Bowie LD-90)	6.00	\$11.19	\$67.39	1	\$78.58	\$67.39	\$250.00
Subtotals:					<b>\$152.69</b>	<b>\$134.78</b>	<b>\$500.00</b>

**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	\$122.51	1	\$122.51	\$122.51
Subtotals:			<b>\$122.51</b>	<b>\$122.51</b>

**EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region:	<u>AULT, CO</u>	
Total one-way travel distance:	<u>7.00</u>	miles
Average Travel Speed:	<u>35.00</u>	mph

Total Non-Roadable Mob/Demob Cost *	<u>\$1,725.75</u>
** two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	<u>\$49.00</u>
** one round trip, no haul rig:	

**Transportation Cycle Time:**

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.20	0.20
Return Time (Hours):	0.20	0.20
Loading Time (Hours):	1.00	NA
Unloading Time (Hours):	1.00	NA
Subtotals:	2.40	0.40

**JOB TIME AND COST**

Total job time: 4.80 Hours

Total job cost: \$1,775