

COST SUMMARY WORK

Task description: Permit Renewal No. 8 RCE Cost Summary

Site: Roadside Portals

Permit Action: RN8

Permit/Job#: C1981041

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 9/7/2022

County: Mesa

Filename: C041-000

User: CCW

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
121	Plug and Seal Boreholes	BOREHOLE	1	0.00	\$2,863
205	Mobilize Equipment for Remaining Reclamation	MOBILIZE	1	3.85	\$8,086
207	Topsoil salvage from TR69	LOADER	1	2.83	\$253
208	TR69 Topsoil salvage	GRADER	1	0.24	\$61
209	excavate and backfill TR69 air shaft repair	SITEMAINT ENANCE	1	48.00	\$13,358
213	TR69 Compacting fill in excavated hole	COMPACT	1	6.46	\$2,513
214	TR69 replace topsoil	LOADER	1	1.74	\$156
215	TR69 Topsoil replacement	GRADER	1	0.24	\$58
216	TR69 Install concrete seal in excavated hole	MINESEAL	1	8.00	\$3,160
217	Seed TR69 0.4 acre disturbance	REVEGE	1	3.40	\$697
218	water truck for TR69 activity	MISCTRUK	1	22.00	\$2,803
<u>SUBTOTALS:</u>				96.76	\$34,008

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$687

Performance bond: 1.05

Total = \$357

Job superintendent: 48.38

Total = \$3,635

Profit: 10.00

Total = \$3,401

TOTAL O & P = \$8,080

CONTRACT AMOUNT (direct + O & P) = \$42,088

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

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

Total = \$500

Engineering work and/or contract/bid preparation: 8.59

Total = \$3,615

Reclamation management and/or administration: 6.20

\$2,609

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$14,804

TOTAL BOND AMOUNT (direct + indirect) = \$48,812

BOREHOLE SEALING WORK

Task description: Plug and Seal Boreholes

Site: Roadside Portals

Permit Action: RN8

Permit/Job#: C1981041

PROJECT IDENTIFICATION

Task #: 121

State: Colorado

Abbreviation: None

Date: 9/7/2022

County: Mesa

Filename: C041-121

User: CCW

Agency or organization name: DRMS

UNIT COSTS

Borehole Description	Sealing/Item Method	Diameter	Length	Quantity	Unit	Unit Cost	Total Cost
GVMS-01A	Portland cement grout - 8 in. (labor, equip, materials)	8	33	33.00	LF	\$7.03	\$231.99
GVMS-01B	Portland cement grout - 8 in. (labor, equip, materials)	8	33	33.00	LF	\$7.03	\$231.99
GVMS-02A	Portland cement grout - 8 in. (labor, equip, materials)	8	33	33.00	LF	\$7.03	\$231.99
GVMS-02B	Portland cement grout - 8 in. (labor, equip, materials)	8	33	33.00	LF	\$7.03	\$231.99
GVMS-03A	Portland cement grout - 8 in. (labor, equip, materials)	8	33	33.00	LF	\$7.03	\$231.99
GVMS-03B	Portland cement grout - 8 in. (labor, equip, materials)	8	33	33.00	LF	\$7.03	\$231.99
CRDA No. 1	Portland cement grout - 4 in. (labor, equip, materials)	6	90	90.00	LF	\$5.55	\$499.50
8" Bottom Plugs	PVC plug - 8 in. diameter borehole	6	NA	6.00	EA	\$84.15	\$504.90
Casing Removal	Exposed casing removal - Calculate Circumference in Linear Feet	7	33	33.00	LF	\$3.26	\$107.58
Hole Markers	Borehole location/identification marker (EA, material cost only)	NA	NA	7.00	EA	\$37.50	\$262.50
4" Bottom Plug	PVC plug - 4 in. diameter borehole	4	NA	1.00	EA	\$33.98	\$33.98
Outfall 002, Plug pipe	PVC plug - 6 in. diameter borehole	6	NA	1.00	EA	\$61.43	\$61.43
Cut Outfall 002 Pipe	Exposed casing removal - Calculate Circumference in Linear Feet	6"	NA	0.50	LF	\$3.26	\$1.63

Job Hours: 0.00

Total Cost: \$2,863.00

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Mobilize Equipment for Remaining Reclamation**Site: **Roadside Portals**Permit Action: **RN8**Permit/Job#: **C1981041****PROJECT IDENTIFICATION**Task #: **205**State: **Colorado**Abbreviation: **None**Date: **9/7/2022**County: **Mesa**Filename: **C041-205**User: **CCW**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:	\$15.25	\$23.06	\$37.58
Operating Cost/Hour:	\$25.26	\$30.83	\$51.41
Operator Cost/Hour:	\$27.71	\$27.71	\$27.71
Helper Cost/Hour:	\$0.00	\$20.22	\$20.22
Total Unit Cost/Hour:	\$68.22	\$101.82	\$136.92

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
ATLAS COPCO ROC D7-11,4.0 in.	11.00	\$137.40	\$68.22	1	\$205.62	\$68.22	\$250.00
Drill/Broadcast Seeder with Tractor	25.00	\$6.25	\$68.22	1	\$74.47	\$68.22	\$250.00
Cat D9T - 9SU	60.01	\$146.30	\$136.92	1	\$283.22	\$136.92	\$250.00
CAT 14M	23.57	\$114.80	\$68.22	1	\$183.02	\$68.22	\$250.00
Cat 324D L 9'-8" Stick	27.33	\$84.48	\$101.82	1	\$186.30	\$101.82	\$250.00
CAT 914G	8.15	\$29.13	\$68.22	1	\$97.35	\$68.22	\$250.00
CAT 825H	36.08	\$217.61	\$101.82	1	\$319.43	\$101.82	\$250.00

Subtotals: **\$1,349.41** **\$613.44** **\$1,750.00****ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Fuel Tanker, 6x4, 210 HP	\$48.30	1	\$48.30	\$48.30
Lube Truck, 6x4, 250 HP	\$48.30	1	\$48.30	\$48.30
Flatbed Truck, 6x4, 45K GVW	\$54.51	1	\$54.51	\$54.51

Light Duty Pickup, 4x4, 1 T. Crew	\$24.30	1	\$24.30	\$24.30
Water Tanker, 5,000 Gal.	\$127.40	1	\$127.40	\$127.40
Subtotals:			\$302.81	\$302.81

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: GRAND JUNCTION
 Total one-way travel distance: 25.00 miles
 Average Travel Speed: 35.00 mph

Total Non-Roadable Mob/Demob Cost * \$7,653.48
 * two round trips with haul rig:
 Total Roadable Mob/Demob Cost ** \$432.59
 ** one round trip, no haul rig:

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.71	0.71
Return Time (Hours):	0.71	0.71
Loading Time (Hours):	0.25	NA
Unloading Time (Hours):	0.25	NA
Subtotals:	1.93	1.43

JOB TIME AND COST

Total job time: 3.86 Hours

Total job cost: \$8,086

WHEEL LOADER – LOAD AND CARRY WORKTask description: Topsoil salvage from TR69Site: Roadside PortalsPermit Action: RN8Permit/Job#: C1981041**PROJECT IDENTIFICATION**Task #: 207State: ColoradoAbbreviation: NoneDate: 9/7/2022County: MesaFilename: C041-207User: CCWAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: CAT 914GAttachment 1: ROPS CabHorsepower: 95Shift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		Utilization %
Ownership Cost/Hour:	\$29.13	NA
Operating Cost/Hour:	\$24.09	100
Operator Cost/Hour:	\$35.97	NA
Total Unit Cost/Hour:	\$89.19	
Total Fleet Cost/Hour:	\$89.19	

MATERIAL QUANTITIESInitial volume: 325

CCY

Swell factor: 1.250Loose volume: 406

LCY

Source of estimated volume: TR69Source of estimated swell factor: Cat Handbook**HOURLY PRODUCTION****Loader Cycle Time:**Unadjusted Basic Cycle Time (load, dump, maneuver): 0.450 minutes

Cycle Time Factors		Factor (min.)	Source
Material:	Bank or broken material 0.04	0.040	(Cat HB)
Stockpile:	No adjustment - factor not applicable 0.00	0.000	(Cat HB)
Truck Ownership:	Common ownership of trucks and loaders - 0.04	-0.040	(Cat HB)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		-0.040	minutes
Adjusted Basic Cycle Time:		0.410	minutes

Rolling Resistance – Road ConditionsHaul: Firm, smooth, rolling, dirt/lt. surfaced, watered, maintained 3.0Return: Firm, smooth, rolling, dirt/lt. surfaced, watered, maintained 3.0**Haul and Return Time**

	Length (feet)	Grade Res. (%)	Rolling Res. (%)	Total Res. (%)	Travel Time (minutes)	Source
--	------------------	-------------------	---------------------	-------------------	--------------------------	--------

Haul Route:	150	3.00	3.00	6.00	0.1164	(Cat HB)
Return Route:	150	-3.00	3.00	0.00	0.0527	(Cat HB)

Total Travel Time: 0.1692 minutesTotal Cycle Time: **0.5792** minutesLoad Bucket Capacity

Rated Capacity:	<u>1.80</u>	LCY (heaped)
Bucket Fill Factor:	<u>0.975</u>	Loose material - mixed moist aggregates (95-100%) 0.975
Adjusted Capacity:	<u>1.76</u>	LCY

Job Condition Correction FactorsSite Altitude: 5100 feet

Altitude Adj:	<u>0.95</u>	Source (CAT HB)
Job Efficiency:	<u>0.83</u>	(1 shift/day)
Net Correction:	<u>0.79</u>	multiplier

Unadjusted Hourly Unit Production: 181.82 LCY/HourAdjusted Hourly Unit Production: 143.36 LCY/HourAdjusted Hourly Fleet Production: **143.36** LCY/Hour**JOB TIME AND COST**Fleet size: 1 Loader(s) Total job time: **2.83** HoursUnit cost: \$0.622 /LCY Total job cost: **\$253**

MOTOR GRADER WORK

Task description: TR69 Topsoil salvage

Site: Roadside Portals

Permit Action: RN8

Permit/Job#: C1981041

PROJECT IDENTIFICATION

Task #: 208

State: Colorado

Abbreviation: None

Date: 9/7/2022

County: Mesa

Filename: C041-208

User: CCW

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: CAT 14M

Horsepower: 259

Ripper Attachment: Multi-Shank Ripper

Shift Basis: 1 per day

Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	\$114.80	NA
Operating Cost/Hour:	\$79.39	100
Ripper Ownership Cost/Hour:	\$5.34	NA
Ripper Operating Cost/Hour:	\$3.98	100
Operator Cost/Hour:	\$46.87	NA
Total Unit Cost/Hour:	\$250.38	
Total Fleet Cost/Hour:	\$250.38	

MATERIAL QUANTITIES

Total Area to be graded or ripped: 0.40 acres

Source of estimated acreage: TR69

HOURLY PRODUCTION

Average Grader Speed:	<u>1.50</u>	mph
Selected Application:	<u>Finish grading (0-2.5 mph) - 1.5</u>	
Selected Blade Angle:	<u>30</u>	degrees
Effective Blade Length:	<u>12.10</u>	feet
Width of blade overlap per pass:	<u>2.00</u>	feet
Net grading or ripping width per pass:	<u>10.10</u>	feet
Unadjusted Hourly Unit Production:	<u>1.8364</u>	acres/hour

Job Condition Correction Factors

Site Altitude: 5100 feet

		Source
Altitude Adj:	<u>1.00</u>	(CAT HB)
Job Efficiency:	<u>0.90</u>	(1sh/d, fav.)
Net Correction:	<u>0.9000</u>	multiplier

Adjusted Hourly Unit Production: 1.6527 acres/Hour

Adjusted Hourly Fleet Production: **1.6527** acres/Hour

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: **0.24** Hours

Unit cost: \$151.50 per acre Total job cost: **\$61**

SITE MAINTENANCE

Task description: Excavate and backfill TR69 air shaft repair

Site: Roadside Portals

Permit Action: RN8

Permit/Job#: C1981041

PROJECT IDENTIFICATION

Task #: 209

State: Colorado

Abbreviation: None

Date: 9/7/2022

County: Mesa

Filename: C041-209

User: CCW

Agency or organization name: DRMS

UNIT COSTS

Maintenance Item	Hours per Year	Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Excavate old air shaft for repair	16.00	Cat 324D L 9'-8" Stick	16.00	EA	\$189.11	\$3,025.76
backfill and compact plugged air shaft	32.00	Cat 324D L 9'-8" Stick	32.00	EA	\$189.11	\$6,051.52
Excavation from end loader support	16.00	CAT 914G	16.00	EA	\$89.19	\$1,427.04
backfill air shaft from end loader support	32.00	CAT 914G	32.00	EA	\$89.19	\$2,854.08

Job Hours: 48.00

Total Cost: \$13,358.40

COMPACTION WORK

Task description: TR69 Compacting fill in excavated hole

Site: Roadside Portals

Permit Action: RN8

Permit/Job#: C1981041

PROJECT IDENTIFICATION

Task #: 213

State: Colorado

Abbreviation: None

Date: 9/7/2022

County: Mesa

Filename: C041-213

User: CCW

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: CAT 825H

Horsepower: 354

Compactor Type: Soil - tamping foot

Shift Basis: 1 per day

Data Source: (CRG)

Cost Breakdown:

Ownership Cost/Hour:	\$217.61	Utilization %	NA
Operating Cost/Hour:	\$139.80		100
Operator Cost/Hour:	\$31.50		NA
Total Unit Cost/Hour:	\$388.91		
Total Fleet Cost/Hour:	\$388.91		

MATERIAL QUANTITIES

Loose volume: 1,100

LCY

Shrinkage factor: 0.875

Compacted volume: 963

CCY

Source of estimated volume: TR69 SCC estimate

Source of estimated shrinkage factor: Cat Handbook

HOURLY PRODUCTION

Unadjusted hourly production = $(W \times S \times L \times C) / P$

Compacted width per pass (W):	<u>7.34</u>	feet
Average Compactor Speed (S):	<u>1.00</u>	mph
Compacted thickness of each lift (L):	<u>3.00</u>	inches
Conversion Constant (C):	<u>16.3</u>	(5,280ft./12in./27cu.ft.)
Required number of machine passes (P):	<u>2</u>	passes
Unadjusted Hourly Unit Production:	<u>179.46</u>	CCY/hour

Job Condition Correction Factors

Site Altitude: 5,100 feet

Altitude Adj:	<u>1.00</u>	Source
Job Efficiency:	<u>0.83</u>	(CAT HB)
Net Correction:	<u>0.8300</u>	(1 shift/day)
		multiplier

Adjusted Hourly Unit Production: 148.95 CCY/Hour

Adjusted Hourly Fleet Production: 148.95 CCY/Hour

JOB TIME AND COST

Fleet size: 1 Compactor(s)

Total job time: 6.46 Hours

Unit cost: \$2.611 per CCY

Total job cost: \$2,513

WHEEL LOADER – LOAD AND CARRY WORKTask description: TR69 replace topsoilSite: Roadside PortalsPermit Action: RN8Permit/Job#: C1981041**PROJECT IDENTIFICATION**Task #: 214State: ColoradoAbbreviation: NoneDate: 9/7/2022County: MesaFilename: C041-214User: CCWAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: CAT 914GAttachment 1: ROPS CabHorsepower: 95Shift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		Utilization %
Ownership Cost/Hour:	\$29.13	NA
Operating Cost/Hour:	\$24.09	100
Operator Cost/Hour:	\$35.97	NA
Total Unit Cost/Hour:	\$89.19	
Total Fleet Cost/Hour:	\$89.19	

MATERIAL QUANTITIESInitial volume: 325

CCY

Swell factor: 1.000Loose volume: 325

LCY

Source of estimated volume: TR69 SCC estimateSource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION****Loader Cycle Time:**Unadjusted Basic Cycle Time (load, dump,
maneuver):

0.450

minutes

Cycle Time Factors		Factor (min.)	Source
Material:	Mixed material 0.02	0.020	(Cat HB)
Stockpile:	No adjustment - factor not applicable 0.00	0.000	(Cat HB)
Truck Ownership:	Common ownership of trucks and loaders - 0.04	-0.040	(Cat HB)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		-0.060	minutes
Adjusted Basic Cycle Time:		0.390	minutes

Rolling Resistance – Road ConditionsHaul: Firm, smooth, rolling, dirt/lt. surfaced, watered, maintained 3.0Return: Firm, smooth, rolling, dirt/lt. surfaced, watered, maintained 3.0**Haul and Return Time**

	Length (feet)	Grade Res. (%)	Rolling Res. (%)	Total Res. (%)	Travel Time (minutes)	Source
--	------------------	-------------------	---------------------	-------------------	--------------------------	--------

Haul Route:	100	0.00	3.00	3.00	0.0564	(Cat HB)
Return Route:	100	0.00	3.00	3.00	0.0564	(Cat HB)

Total Travel Time: 0.1128 minutesTotal Cycle Time: **0.5028** minutesLoad Bucket Capacity

Rated Capacity:	<u>1.80</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) 1.100
Adjusted Capacity:	<u>1.98</u>	LCY

Job Condition Correction FactorsSite Altitude: 5100 feet

Altitude Adj:	<u>0.95</u>	Source (CAT HB)
Job Efficiency:	<u>0.83</u>	(1 shift/day)
Net Correction:	<u>0.79</u>	multiplier

Unadjusted Hourly Unit Production:	<u>236.28</u>	LCY/Hour
Adjusted Hourly Unit Production:	<u>186.30</u>	LCY/Hour
Adjusted Hourly Fleet Production:	<u>186.30</u>	LCY/Hour

JOB TIME AND COSTFleet size: 1 Loader(s) Total job time: **1.74** HoursUnit cost: \$0.479 /LCY Total job cost: **\$156**

MOTOR GRADER WORK

Task description: TR69 Topsoil replacement

Site: Roadside Portals

Permit Action: RN8

Permit/Job#: C1981041

PROJECT IDENTIFICATION

Task #: 215

State: Colorado

Abbreviation: None

Date: 9/7/2022

County: Mesa

Filename: C041-215

User: CCW

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: CAT 14M

Horsepower: 259

Ripper Attachment: _____

Shift Basis: 1 per day

Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	\$114.80	NA
Operating Cost/Hour:	\$79.39	100
Ripper Ownership Cost/Hour:	\$0.00	NA
Ripper Operating Cost/Hour:	\$0.00	
Operator Cost/Hour:	\$46.87	NA
Total Unit Cost/Hour:	\$241.06	
Total Fleet Cost/Hour:	\$241.06	

MATERIAL QUANTITIES

Total Area to be graded or ripped: 0.40 acres

Source of estimated acreage: TR69

HOURLY PRODUCTION

Average Grader Speed:	<u>1.50</u>	mph
Selected Application:	<u>Finish grading (0-2.5 mph) - 1.5</u>	
Selected Blade Angle:	<u>30</u>	degrees
Effective Blade Length:	<u>12.10</u>	feet
Width of blade overlap per pass:	<u>2.00</u>	feet
Net grading or ripping width per pass:	<u>10.10</u>	feet
Unadjusted Hourly Unit Production:	<u>1.8364</u>	acres/hour

Job Condition Correction Factors

Site Altitude: 5100 feet

		Source
Altitude Adj:	<u>1.00</u>	(CAT HB)
Job Efficiency:	<u>0.90</u>	(1sh/d, fav.)
Net Correction:	<u>0.9000</u>	multiplier

Adjusted Hourly Unit Production: 1.6527 acres/Hour

Adjusted Hourly Fleet Production: **1.6527** acres/Hour

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: **0.24** Hours

Unit cost: \$145.86 per acre Total job cost: **\$58**

SAFEGUARDING UNDERGROUND OPENINGS

Task description: TR69 Install concrete seal in excavated hole

Site: Roadside Portals

Permit Action: RN8

Permit/Job#: C1981041

PROJECT IDENTIFICATION

Task #: 216

State: Colorado

Abbreviation: None

Date: 9/7/2022

County: Mesa

Filename: C041-216

User: CCW

Agency or organization name: DRMS

UNIT COSTS

Opening Description	Dimensions	Closure Method	Quantity	Unit	Unit Cost	Total Cost
pour concrete plug in excavated air shaft	15 CY	Shaft closure - concrete cap, poured-in-place (per Cubic Feet)	400.00	CF	\$7.90	\$3,160.00

Job Hours: 8.00

Total Cost: \$3,160.00

REVEGETATION WORKTask description: Seed TR69 0.4 acre disturbanceSite: Roadside PortalsPermit Action: RN8Permit/Job#: C1981041**PROJECT IDENTIFICATION**Task #: 217State: ColoradoAbbreviation: NoneDate: 9/7/2022County: MesaFilename: C041-217User: CCWAgency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
8-32-16, 16-20-0	50.00	pound	\$0.35	\$17.50
			Total Fertilizer Materials Cost/Acre	\$17.50

Application

Description	Cost /Acre
Truck whirlwind spreader (MEANS 32 01 90.13 0140)	\$16.55
Total Fertilizer Application Cost/Acre	\$16.55

TILLING

Description	Cost /Acre
Chisel plowing {DMG}	\$98.43
Total Tilling Cost/Acre	\$98.43

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Alkali Sacaton	0.20	7.81	\$5.70
Indian Ricegrass - Paloma	2.00	6.47	\$22.25
Bluebunch Wheatgrass - Secar	2.00	6.43	\$21.75
Russian Wildrye - Bozoisky	1.00	4.02	\$6.48
Bottlebrush Squirreltail	0.50	2.20	\$8.11
Galleta	2.00	7.30	\$44.70
Slender Wheatgrass - San Luis	1.00	3.65	\$4.25
Thickspike Wheatgrass - Critana	2.00	7.07	\$13.75
Western Wheatgrass - Arriba	1.00	2.53	\$6.50
Needle and Thread	1.00	2.64	\$41.85
Saltbush, Four Wing	0.50	0.69	\$6.25

Saltbush, Shadscale	3.00	4.48	\$30.00
Winter Fat	2.00	5.10	\$41.00
Penstemon, Palmer	0.25	5.53	\$13.63
Primrose, Missouri Evening	0.50	2.03	\$28.50
Greasewood, Black	1.00	140.45	\$19.00
Kochia, Forage (Prostrate)	0.25	35.11	\$2.24
Totals Seed Mix	20.20	243.50	\$315.96

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
Hay, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$421.36	\$842.72
Total Mulch Materials Cost/Acre				\$842.72

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$73.00
Power mulcher (MEANS 32 91 13.16 0350)	\$141.57
Total Mulch Application Cost/Acre	\$214.57

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: 0.4 Cost /Acre: \$1,737.73
 Estimated Failure Rate: 0.3% Cost /Acre*: \$1,737.73
 *Selected Replanting Work Items: FERTILIZING,TILLING,SEEDING,MU
 LCHING

 Initial Job Cost: \$695.09
 Reseeding Job Cost: \$2.09
 Total Job Cost: \$697
 Job Hours: 3.40

MISCELLANEOUS TRUCK WORK

Task description: Water truck for TR69 activity

Site: Roadside Portals

Permit Action: RN8

Permit/Job#: C1981041

PROJECT IDENTIFICATION

Task #: 218

State: Colorado

Abbreviation: None

Date: 9/7/2022

County: Mesa

Filename: C041-218

User: CCW

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Make and Model: Water Tanker, 5,000 Gal.

Horsepower: 175

Attachment 1: _____

Shift Basis: 1 per day

Attachment 2: _____

Weight: 15.00

Labor Unit 1: Tanker Driver - 1 rear axle

(US Tons)

Labor Unit 2: _____

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$37.19</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$51.30</u>	<u>100</u>
Operator Cost/Hour:	<u>\$38.91</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$127.40</u>	
Total Fleet Cost/Hour:	<u>\$127.40</u>	

JOB TIME AND COST

Fleet size: 1 Truck(s)

Total job time: 22.00 Hours

Unit cost: \$127.40 /Hour

Total job cost: \$2,803