COST SUMMARY WORK

Task description: **Post inspection update 5-24-2022**

Site: **White River S & G Pit** Permit Action: 2022 Permit/Job#: M1991009

PROJECT IDENTIFICATION

Task #: ACY State: Colorado Abbreviation: None
Date: 6/7/2022 County: Rio Blanco Filename: M009-ACY
User: ACY

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Grade highwall slopes to 2:1	DOZER	1	11.80	$2,790
01b	Transport backfill material for grading	LOADER	1	31.95	$3,486
02a	Grade east side pit floor	DOZER	1	13.43	$3,413
03a	Rip 6.0 acres of pit floor	RIPPER	1	9.16	$2,397
04a	Transport topsoil throughout pit	LOADER	1	33.70	$3,677
04b	Grading topsoil	DOZER	1	8.89	$2,101
05a	Revegetate 6.0 acres	REVEGE	1	16.00	$10,419
06a	Initial Mobilization	MOBILIZE	1	2.26	$3,175
06b	Secondary Mobilization	MOBILIZE	1	2.26	$1,369
	SUBTOTALS:			**129.45**	**$32,827**

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	$663
Performance bond:	1.05	Total =	$345
Job superintendent:	64.72	Total =	$4,662
Profit:	10.00	Total =	$3,283
		TOTAL O & P =	$8,952
		CONTRACT AMOUNT (direct + O & P) =	$41,779

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	$500	Total =	$500
Engineering work and/or contract/bid preparation:	0.00	Total =	$0
Reclamation management and/or administration:	5.00		$2,089
CONTINGENCY:	0.00	Total =	$0
		TOTAL INDIRECT COST =	$11,541
		TOTAL BOND AMOUNT (direct + indirect) =	**$44,368**

BULLDOZER WORK

Task description: **Grade highwall slopes to 2:1**

Site: **White River S & G Pit** Permit Action: 2022 Permit/Job#: M1991009

PROJECT IDENTIFICATION

Task #:	01A	State:	Colorado	Abbreviation:	None
Date:	6/7/2022	County:	Rio Blanco	Filename:	M009-01a
User:	ACY				

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine:	Cat D8T - 8SU
Horsepower:	310
Blade Type:	Semi-Universal
Attachment:	NA
Shift Basis:	1 per day
Data Source:	(CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	$97.46	NA
Operating Cost/Hour:	$97.63	100
Ripper own. Cost/Hour:	$0.00	NA
Ripper op. Cost/Hour:	$0.00	0
Operator Cost/Hour:	$41.30	NA

Total unit Cost/Hour: $236.39
Total Fleet Cost/Hour: **$236.39**

MATERIAL QUANTITIES

Initial Volume:	5,575
Swell factor:	1.000
Loose volume:	**5,575** LCY

Source of estimated volume: Grade transported material to 2:1 min
Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 90 feet
Unadjusted hourly production: 918.4 LCY/hr

Materials consistency description: Loose stockpile 1.2

Average push gradient: 10 %
Average site altitude: 6,200 feet

Material weight: 2,100 lbs/LCY

Weight description: Earth - Loam

Job Condition Correction Factor		Source
Operator Skill:	0.750	(AVG.)
Material consistency:	1.200	(CAT HB)
Dozing method:	1.000	(GEN.)
Visibility:	1.000	(AVG.)

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	0.786	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.095	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.5143

Adjusted unit production: 472.33 LCY/hr
Adjusted fleet production: **472.33** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: $0.500/LCY

Total job time: **11.80** Hours
Total job cost: **$2,790**

WHEEL LOADER – LOAD AND CARRY WORK

Task description: **Transport backfill material for grading**

Site: **White River S & G Pit** Permit Action: 2022 Permit/Job#: M1991009

PROJECT IDENTIFICATION

Task #: 01B State: Colorado Abbreviation: None
Date: 6/7/2022 County: Rio Blanco Filename: M009-01b
User: ACY

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: CAT 938H Horsepower: 172
Attachment 1: ROPS Cab Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	$35.16	NA
Operating Cost/Hour:	$33.22	100
Operator Cost/Hour:	$40.71	NA
Total Unit Cost/Hour:	$109.09	
Total Fleet Cost/Hour:	$109.09	

MATERIAL QUANTITIES

Initial volume: 5,000 CCY Swell factor: 1.115
Loose volume: **5,575** LCY

Source of estimated volume: 30'H 300LF 1:1 to 2:1 backfill
Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Loader Cycle Time: Unadjusted Basic Cycle Time (load, dump, maneuver): 0.483 minutes

Cycle Time Factors		Factor (min.)	Source
Material:	Material 3/4" to 6" diameter 0.00	0.000	(Cat HB)
Stockpile:	No adjustment - factor not applicable 0.00	0.000	(Cat HB)
Truck Ownership:	No adjustment - factor not applicable 0.00	0.000	(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:	0.443	minutes

Rolling Resistance – Road Conditions

Haul: Rutted dirt, little maintenance, no water, 2" tire penetration 5.0
Return: Rutted dirt, little maintenance, no water, 2" tire penetration 5.0

Haul and Return Time

	Length (feet)	Grade Res. (%)	Rolling Res. (%)	Total Res. (%)	Travel Time (minutes)	Source
Haul Route:	450	0.00	5.00	5.00	0.4124	(Cat HB)
Return Route:	450	0.00	5.00	5.00	0.3698	(Cat HB)

Total Travel Time:	0.7821	minutes
Total Cycle Time:	**1.2246**	minutes

Load Bucket Capacity

Rated Capacity:	3.90	LCY (heaped)	
Bucket Fill Factor:	1.100	Other - rock/dirt mixtures	(100-120%) 1.100
Adjusted Capacity:	**4.29**	LCY	

Job Condition Correction Factors
Site Altitude: 6200 feet

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

Unadjusted Hourly Unit Production:	210.19	LCY/Hour
Adjusted Hourly Unit Production:	174.46	LCY/Hour
Adjusted Hourly Fleet Production:	**174.46**	LCY/Hour

JOB TIME AND COST

Fleet size:	1	Loader(s)	Total job time:	**31.96**	Hours
Unit cost:	$0.625	/LCY	Total job cost:	**$3,486**	

BULLDOZER WORK

Task description: **Grade east side pit floor**

Site: **White River S & G Pit** Permit Action: 2022 Permit/Job#: M1991009

PROJECT IDENTIFICATION

Task #: 02A State: Colorado Abbreviation: None
Date: 6/7/2022 County: Rio Blanco Filename: M009-02a
User: ACY

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D8T - 8SU
Horsepower: 310
Blade Type: Semi-Universal
Attachment: 3-shank ripper
Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	$97.46	NA
Operating Cost/Hour:	$97.63	100
Ripper own. Cost/Hour:	$15.19	NA
Ripper op. Cost/Hour:	$2.49	25
Operator Cost/Hour:	$41.30	NA

Total unit Cost/Hour: $254.07
Total Fleet Cost/Hour: **$254.07**

MATERIAL QUANTITIES

Initial Volume: 3,000
Swell factor: 1.115
Loose volume: **3,345** LCY

Source of estimated volume: Staff estimates
Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 150 feet
Unadjusted hourly production: 634.3 LCY/hr

Materials consistency description: Compacted fill or embankment 0.9

Average push gradient: 0 %
Average site altitude: 6,200 feet

Material weight: 2,100 lbs/LCY

Weight description: Earth - Loam

Job Condition Correction Factor		Source
Operator Skill:	0.600	(POOR)
Material consistency:	0.900	(CAT HB))
Dozing method:	1.000	(GEN.)
Visibility:	1.000	(AVG.)

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.095	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3926

Adjusted unit production: 249.03 LCY/hr
Adjusted fleet production: **249.03** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: $1.020/LCY

Total job time: **13.43** Hours
Total job cost: **$3,413**

BULLDOZER RIPPING WORK

Task description: **Rip 6.0 acres of pit floor**

Site: **White River S & G Pit** Permit Action: 2022 Permit/Job#: M1991009

PROJECT IDENTIFICATION

Task #: 03A State: Colorado Abbreviation: None
Date: 6/7/2022 County: Rio Blanco Filename: M009-03a
User: ACY

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D8T - 8SU Horsepower: 310
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	$97.46	NA
Operating Cost/Hour:	$97.63	100
Ripper Ownership Cost/Hour:	$15.19	NA
Ripper Operating Cost/Hour:	$9.94	100
Operator Cost/Hour:	$41.30	NA
Total Unit Cost/Hour:	$261.52	

Total Fleet Cost/Hour: **$261.52**

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 6.00 acres Rip Depth (ft): 2.00 Volume: 19,360 BCY or CCY

Source of estimated quantity: Previously accepted values

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth:	1.00	feet/pass
Average Ripping Width:	7.08	feet/pass
Average Ripping Length:	250.00	feet/pass
Average Dozer Speed:	88.00	feet/minute
Average Maneuver Time:	0.25	minutes/pass
Production per unit area:	0.789	acres/hour

Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.789 Acres/hr

Site Altitude:	6,200	feet
Altitude Adj:	1.00	(CAT HB)
Job Efficiency:	0.83	(1 shift/day)
Net Correction:	0.83	multiplier

Adjusted Hourly Unit Production: 0.65 Acres/hr
Adjusted Hourly Fleet Production: **0.65** Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: **9.16** Hours

Unit cost: $399.463 Per acre Total job cost: **$2,397**

WHEEL LOADER – LOAD AND CARRY WORK

Task description: **Transport topsoil throughout pit**

Site: **White River S & G Pit** Permit Action: 2022 Permit/Job#: M1991009

PROJECT IDENTIFICATION

Task #: 04A State: Colorado Abbreviation: None
Date: 6/7/2022 County: Rio Blanco Filename: M009-04a
User: ACY

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: CAT 938H Horsepower: 172
Attachment 1: ROPS Cab Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	$35.16	NA
Operating Cost/Hour:	$33.22	100
Operator Cost/Hour:	$40.71	NA
Total Unit Cost/Hour:	$109.09	

Total Fleet Cost/Hour: $109.09

MATERIAL QUANTITIES

Initial volume: 4,840 CCY Swell factor: 1.215
Loose volume: **5,881** LCY

Source of estimated volume: 6 ac at 6”
Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Loader Cycle Time: Unadjusted Basic Cycle Time (load, dump, maneuver): 0.483 minutes

Cycle Time Factors		Factor (min.)	Source
Material:	Material 3/4” to 6” diameter 0.00	0.000	(Cat HB)
Stockpile:	No adjustment - factor not applicable 0.00	0.000	(Cat HB)
Truck Ownership:	No adjustment - factor not applicable 0.00	0.000	(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:	0.443	minutes

Rolling Resistance – Road Conditions

Haul: Rutted dirt, little maintenance, no water, 2” tire penetration 5.0
Return: Rutted dirt, little maintenance, no water, 2” tire penetration 5.0

Haul and Return Time

	Length (feet)	Grade Res. (%)	Rolling Res. (%)	Total Res. (%)	Travel Time (minutes)	Source
Haul Route:	450	0.00	5.00	5.00	0.4124	(Cat HB)
Return Route:	450	0.00	5.00	5.00	0.3698	(Cat HB)

Total Travel Time:	0.7821	minutes
Total Cycle Time:	**1.2246**	minutes

Load Bucket Capacity

Rated Capacity:	3.90	LCY (heaped)
Bucket Fill Factor:	1.100	Other - rock/dirt mixtures (100-120%) 1.100
Adjusted Capacity:	**4.29**	LCY

Job Condition Correction Factors
Site Altitude: 6200 feet

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

Unadjusted Hourly Unit Production:	210.19	LCY/Hour
Adjusted Hourly Unit Production:	174.46	LCY/Hour
Adjusted Hourly Fleet Production:	**174.46**	LCY/Hour

JOB TIME AND COST

Fleet size:	1	Loader(s)	Total job time:	**33.71**	Hours
Unit cost:	$0.625	/LCY	Total job cost:	**$3,677**	

BULLDOZER WORK

Task description: **Grading topsoil**

Site: **White River S & G Pit** Permit Action: 2022 Permit/Job#: M1991009

PROJECT IDENTIFICATION

Task #:	04B	State:	Colorado	Abbreviation:	None
Date:	6/7/2022	County:	Rio Blanco	Filename:	M009-04b
User:	ACY				

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine:	Cat D8T - 8SU
Horsepower:	310
Blade Type:	Semi-Universal
Attachment:	NA
Shift Basis:	1 per day
Data Source:	(CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	$97.46	NA
Operating Cost/Hour:	$97.63	100
Ripper own. Cost/Hour:	$0.00	NA
Ripper op. Cost/Hour:	$0.00	0
Operator Cost/Hour:	$41.30	NA

Total unit Cost/Hour: $236.39
Total Fleet Cost/Hour: **$236.39**

MATERIAL QUANTITIES

Initial Volume:	5,881
Swell factor:	1.000
Loose volume:	**5,881** LCY

Source of estimated volume: 6 ac @ 6" deep transported
Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 100 feet
Unadjusted hourly production: 852.6 LCY/hr

Materials consistency description: Loose stockpile 1.2

Average push gradient: 5 %
Average site altitude: 6,200 feet

Material weight: 1,600 lbs/LCY

Weight description: Top Soil

Job Condition Correction Factor		Source
Operator Skill:	0.750	(AVG.)
Material consistency:	1.200	(CAT HB)
Dozing method:	1.000	(GEN.)
Visibility:	1.000	(AVG.)

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	0.903	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.7760

Adjusted unit production: 661.62 LCY/hr
Adjusted fleet production: **661.62** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: $0.357/LCY

Total job time: **8.89** Hours
Total job cost: **$2,101**

REVEGETATION WORK

Task description: **Revegetate 6.0 acres**

Site: **White River S & G Pit** Permit Action: 2022 Permit/Job#: M1991009

PROJECT IDENTIFICATION

Task #: 05A State: Colorado Abbreviation: None
Date: 6/7/2022 County: Rio Blanco Filename: M009-05a
User: ACY

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
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	2.50	8.09	$27.81
Crested Wheatgrass - Ephraim	2.00	9.18	$8.65
Russian Wildrye - Vinal	2.00	8.03	$12.36
Streambank Wheatgrass - Sodar	2.20	7.17	$12.54
Western Wheatgrass - Arriba	3.20	8.08	$20.80
Totals Seed Mix	11.90	40.56	**$82.16**

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
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	$307.02	$614.04
Total Mulch Materials Cost/Acre				**$617.02**

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
Total Mulch Application Cost/Acre	**$240.58**

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: 6 Cost /Acre: $1,286.32
Estimated Failure Rate: 35% Cost /Acre*: $1,286.32
*Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: **$7,717.92**
Reseeding Job Cost: **$2,701.27**
Total Job Cost: **$10,419**
Job Hours: **16.00**

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: **Initial Mobilization**

Site: **White River S & G Pit** Permit Action: 2022 Permit/Job#: M1991009

PROJECT IDENTIFICATION

Task #: 06A State: Colorado Abbreviation: None
Date: 6/7/2022 County: Rio Blanco Filename: M009-06a
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
Cat D8T - 8SU	53.08	$112.65	$147.95	1	$260.60	$147.95	$250.00
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
CAT 938H	16.34	$35.16	$68.37	1	$103.53	$68.37	$250.00
Subtotals:					**$523.83**	**$353.06**	**$1,000.00**

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 1 T. Crew	$75.87	1	$75.87	$75.87
Subtotals:			**$75.87**	**$75.87**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	MEEKER	
Total one-way travel distance:	2.00	miles
Average Travel Speed:	30.00	mph

Total Non-Roadable Mob/Demob Cost *	$3,164.58
'* two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	$10.12
** one round trip, no haul rig:	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.07	0.07
Return Time (Hours):	0.07	0.07
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.13	0.13

JOB TIME AND COST

Total job time:	**2.27**	Hours
Total job cost:	**$3,175**	

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: **Secondary Mobilization**

Site: **White River S & G Pit** Permit Action: 2022 Permit/Job#: M1991009

PROJECT IDENTIFICATION

Task #: 06B State: Colorado Abbreviation: None
Date: 6/7/2022 County: Rio Blanco Filename: M009-06b
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, 1 T. Crew	$75.87	1	$75.87	$75.87
Subtotals:			**$75.87**	**$75.87**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	MEEKER	
Total one-way travel distance:	2.00	miles
Average Travel Speed:	30.00	mph

Total Non-Roadable Mob/Demob Cost *	$1,358.93
'* two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	$10.12
** one round trip, no haul rig:	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.07	0.07
Return Time (Hours):	0.07	0.07
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.13	0.13

JOB TIME AND COST

Total job time:	**2.27**	Hours
Total job cost:	**$1,369**	