

COST SUMMARY WORK

Task description: AM-1 FW Update

Site: Ready Mix Pit

Permit Action: AM-1

Permit/Job#: M1977023

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 2/8/2018

County: Gunnison

Filename: M1977023AM1

User: DMC

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Site Cleanup/demo. structures	DEMOLISH	1	40.00	\$66,346.84
02a	Dewater ponds prior to final grading and removal of dikes	PUMPING	1	130.44	\$16,469.00
03a	Grade pond slopes and remove dikes	DOZER	2	60.97	\$23,390.00
04a	Rip compacted stockpile/operations areas	RIPPER	2	10.27	\$4,246.00
05a	Haul topsoil from stockpile throughout site	TRUCK1	1	21.20	\$11,854.00
06a	Spread topsoil over banks and upland area	DOZER	1	15.41	\$2,957.00
07a	Revegetate pond banks and upland areas	REVEGE	1	15.00	\$29,356.00
08a	Mobilize reclamation crew and equipment	MOBILIZE	1	2.34	\$6,113.00
<u>SUBTOTALS:</u>				295.63	\$160,732

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02
Performance bond: 1.05
Job superintendent: 139.81
Profit: 10.00

Total = \$3,246.79

Total = \$1,687.69

Total = \$10,213.12

Total = \$16,073.20

TOTAL O & P = \$31,220.80

CONTRACT AMOUNT (direct + O & P) = \$191,952.80

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): 500.00

Total = 500.00

Engineering work and/or contract/bid preparation: 0.00

Total = \$0.00

Reclamation management and/or administration: 5.00

\$9,597.64

CONTINGENCY: 0.00

Total = \$0.00

TOTAL INDIRECT COST = \$41,318.44

TOTAL BOND AMOUNT (direct + indirect) = \$202,050.44

DEMOLITION WORK

Task description: Site Cleanup/demo. structures

Site: Ready Mix Pit

Permit Action: AM-1

Permit/Job#: M1977023

PROJECT IDENTIFICATION

Task #: 01A

State: Colorado

Abbreviation: None

Date: 2/8/2018

County: Gunnison

Filename: M023-01a

User: DMC

Agency or organization name: DRMS

UNIT COSTS

Location adjustment: 91.30 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Disposal of misc. debris (pipes, lumber, etc.)	150 c.y.	Loading and 5 mile haul, salvage allowed - Wood frame structures	150.00	CY	\$18.65	\$2,797.50
Shed Building on north side of lake	30' x 20' x 15'	Bldg. (SN) demo./off-site disposal in approved landfill - Max. 5 mile haul	9,000.00	CF	\$0.30	\$2,700.00
Shed Concrete Pad	30' x 20'	Demo. and on-site disposal in excavated pit, 6 in. thick - Max. 200 ft. push	600.00	SF	\$0.65	\$391.20
Office/Shop Building (Plant Area)	130' x 65' x 20'	Bldg. (MN) demo./off-site disposal in approved landfill - Max. 5 mile haul	169,000.00	CF	\$0.33	\$55,770.00
Office/Shop Building Concrete Pad	130' x 65'	Demo. and on-site disposal in excavated pit, 12 in. thick - Max. 200 ft. push	8,450.00	SF	\$1.30	\$11,010.35

Job Hours: 40.00

Subtotal
(unadjusted): \$72,669.05

Total Cost
(adjusted for location): \$66,346.84

PUMPING WORK

Task description: Dewater ponds prior to final grading and removal of dikes

Site: Ready Mix Pit

Permit Action: AM-1

Permit/Job#: M1977023

PROJECT IDENTIFICATION

Task #: 02A

State: Colorado

Abbreviation: None

Date: 2/8/2018

County: Gunnison

Filename: M023-02a

User: DMC

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

	Description	Quantity
Make and Model:	Centrifugal pump - 200M, 10 in.	4
Attachment 1:		0
Attachment 2:		0
Labor Unit 1:	Pump operator	1
Horsepower:	70	
Shift Basis:	1 per day	
Weight:	1.95	
	(US Tons)	

Cost Breakdown:

	Utilization %
Ownership Cost/Hour:	\$31.24
Operating Cost/Hour:	\$67.04
Operator Cost/Hour:	\$27.98
Total Unit Cost/Hour:	\$126.26

Total Fleet Cost/Hour: \$126.26

PUMPING QUANTITIES

Initial Pond Volume:	380.00		Conversion factor:	325850.5800
Final Pond Volume:	123,823,220.40	gallons		
Total Pond Inflow Surface Area:	35,000	Sq. ft.	Unit inflow rate in gph/sq. ft.:	0.3516
Total Pond Inflow Volume per Hour:	12,306.00	gallons		

Source of estimated volume: Approx. 19 ac. ponds avg. 20' depth

PUMPING TIME

Maximum Pump Capacity:	200,000	gph/pump
Estimated Suction Head:	10	feet
Estimated Discharge Head:	10	feet
Total Head:	20	feet
CPB Pump Capacity:	201,000	gph/pump
Site Altitude:	7,650	feet
Adjusted Pumping Capacity:	804,000	gph
Initial Unadjusted Pumping Time:	154.01	hours
Inflow during Initial Pumping:	1,895,235	gallons
Net Unadjusted Pumping Time:	156.37	Hours
Altitude Adjustment Factor:	0.9100	(3% rule)
Pump Efficiency Factor:	0.9167	(55 min./hr.)
Total Adjusted Pumping Time:	130.44	hours

JOB TIME AND COST

Total job time: 130.44 Hours

Unit cost: \$0.000131 /Gallon

Total job cost: \$16,469

BULLDOZER WORKTask description: Grade pond slopes and remove dikesSite: Ready Mix PitPermit Action: AM-1Permit/Job#: M1977023**PROJECT IDENTIFICATION**Task #: 03AState: ColoradoAbbreviation: NoneDate: 2/8/2018County: GunnisonFilename: M1977023AM103aUser: DMCAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D8T - 8SUHorsepower: 310Blade Type: Semi-UniversalAttachment: NAShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$83.81	NA
Operating Cost/Hour:	\$66.17	100
Ripper own.		
Cost/Hour:	\$0.00	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$41.85	NA

Total unit Cost/Hour: \$191.83Total Fleet Cost/Hour: \$383.65**MATERIAL QUANTITIES**Initial Volume: 30,000Swell factor: 1.050Loose volume: 31,500 LCYSource of estimated volume: Division of Reclamation, Mining & Safety

Source of estimated swell

factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 100 feet

Unadjusted hourly

production: 852.6 LCY/hrMaterials consistency description: Compacted fill or embankment 0.9

Average push

gradient: 0 %Average site altitude: 7,650 feetMaterial weight: 3,400 lbs/LCYWeight description: Sand and gravel - WetJob Condition Correction FactorSource

Operator Skill:	0.750	(AVG.)
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:	0.676	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3030

Adjusted unit
production: 258.34 LCY/hr
Adjusted fleet
production: **516.68** LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: \$0.743/LCY

Total job time: **60.97** Hours
Total job cost: **\$23,390**

BULLDOZER RIPPING WORK

Task description: Rip compacted stockpile/operations areas

Site: Ready Mix Pit

Permit Action: AM-1

Permit/Job#: M1977023

PROJECT IDENTIFICATION

Task #: 04A

State: Colorado

Abbreviation: None

Date: 2/8/2018

County: Gunnison

Filename: M1977023AM104a

User: DMC

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:	\$83.81	NA
Operating Cost/Hour:	\$66.17	100
Ripper Ownership Cost/Hour:	\$7.55	NA
Ripper Operating Cost/Hour:	\$7.21	100
Operator Cost/Hour:	\$41.85	NA
Total Unit Cost/Hour:	\$206.59	
Total Fleet Cost/Hour:	\$413.17	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA

Bank Volume: NA

BCY NA

Area: 12.00 acres

Rip Depth (ft): 2.00

Volume: 38,720

BCY or CCY

Source of estimated quantity: Based on inspection conditions

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth:	<u>2.56</u>	mph
Average Ripping Width:	<u>7.08</u>	degrees
Average Ripping Length:	<u>100.00</u>	feet
Average Dozer Speed:	<u>88.00</u>	feet
Average Maneuver Time:	<u>0.25</u>	feet
Production per unit area:	<u>0.703</u>	acres/hour

Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.703 Acres/hr

Site Altitude: 7,650 feet

Altitude Adj: 1.00 (CAT HB)

Job Efficiency: 0.83 (1 shift/day)

Net Correction: 0.83 multiplier

Adjusted Hourly Unit Production: 0.58 Acres/hr

Adjusted Hourly Fleet Production: 1.17 Acres/hr

JOB TIME AND COST

Fleet size: 2

Grader(s)

Total job time: 10.28 Hours

Unit cost: \$353.844

Per acre

Total job cost: \$4,246

TRUCK/LOADER TEAM WORKTask description: Haul topsoil from stockpile throughout siteSite: Ready Mix PitPermit Action: AM-1Permit/Job#: M1977023**PROJECT IDENTIFICATION**Task #: 05AState: ColoradoAbbreviation: NoneDate: 2/8/2018County: GunnisonFilename: M1977023AM105aUser: DMCAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Shift basis: 1 per day

	Equipment Description
Truck Loader Team -Truck:	Cat 770D
-Loader:	CAT 966H high lift
Support Equipment -Load Area:	NA
-Dump Area:	NA
Road Maintenance -Motor Grader:	NA
-Water Truck:	Water Tanker, 7,000 Gal.

Cost Breakdown:

	Truck/Loader Team		Support Equipment		Maintenance Equipment	
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	NA	NA	NA	100
Ownership cost/hour:	\$78.80	\$37.45	NA	NA	NA	\$38.58
Operating cost/hour:	\$59.14	\$42.54	NA	NA	NA	\$61.11
%Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	NA	NA	NA	\$0.00
Ripper op. cost/hour:	NA	\$0.00	NA	NA	NA	\$0.00
Operator cost/hour:	\$31.17	\$41.20	NA	NA	NA	\$0.00
Unit Subtotals:	\$169.11	\$121.19	NA	NA	NA	\$99.69
Number of Units:	2	1	0	0	0	1
Group Subtotals:	Work: \$459.41		Support: \$0.00		Maint: \$99.69	

Total work team cost/hour: \$559.10**MATERIAL QUANTITIES**Initial volume: 11,293

CCY

Swell factor: 1.000Loose volume: 11,293

LCY

Source of estimated volume: Approx. 14 ac.@ 6" depth, pond banks and upland areaSource of estimated swell factor: Cat HandbookMaterial Purchase Cost: \$0.00Total Cost: \$0.00**HOURLY PRODUCTION****Truck Capacity:**Truck Payload (weight) Basis:Material weight: 1,600

Pounds/LCY

Description: Top SoilRated Payload: 82,000

Pounds

Payload Capacity: 51.25 LCY

Truck Bed (volume) Basis:

Struck Volume: 21.60 LCY
 Heaped Volume: 31.70 LCY
 Average Volume: 26.65 LCY
 Adjusted Volume: 31.70 LCY

Final Truck Volume Based on Number of Loader Passes: 31.50 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>5.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.050</u>	Other - moist loam (100-110%) 1.050
Adjusted Capacity:	<u>5.250</u>	LCY

Job Condition Corrections:

Site Altitude (ft.): 7650 feet

	Truck	Loader	Source
Altitude Adj:	0.930	1.000	(CAT HB)
Job Efficiency:	0.830	0.830	(CAT HB)
Net Correction:	0.772	0.830	

Loading Tool Cycle Time:

Number of Loading Tool Passes Required to Fill
 Truck: 6 passes

Excavators and Front Shovels:

Machine Cycle Time vs. Job Condition Rating: NA
 Selected Value within this Basic Rating: NA
 Track Loaders – Material Description: _____

Cycle Time Elements (min.):

Load: NA Maneuver: NA Dump: 0.100

Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.500 minutes

Cycle Time Factors		Factor (min.)	Source
Material:	Material up to 1/8" diameter 0.02	0.020	(Cat HB)
Stockpile:	Conveyor or dozer piled 10 ft. high and up 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 Loader Cycle Time:		0.440	minutes
Net Load Time per Truck:		2.300	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.60</u>	Minutes	Adjusted for site altitude:	<u>0.645</u>	Minutes
Truck Load Time:	<u>2.300</u>	Minutes	Adjusted for site altitude:	<u>2.300</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.00</u>	Minutes	Adjusted for site altitude:	<u>1.075</u>	Minutes

Truck Travel (Haul & Return) Time:
penetration 8.0

Road Condition: Soft, rutted dirt, no maintenance or water, 4" tire

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	500.00	0.00	8.00	8.00	1057	0.541

Haul Time: **0.541** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	500.00	0.00	8.00	8.00	2120	0.360

Return Time: **0.360** minutesTotal Truck Cycle Time: **4.921** minutes

Loading Tool unit
 Production 641.73 LCY/Hour Adjusted for job efficiency: 532.64 LCY/Hour
 Truck Unit Production 384.03 LCY/Hour Adjusted for job efficiency: 318.75 LCY/Hour
 Optimal No. of Trucks: 2 Truck(s) Selected Number of Trucks: 2 Truck(s)
 Adjusted hourly truck team production: 637.50 LCY/Hour
 Adjusted single truck/loader team production: 532.64 LCY/Hour
 Adjusted multiple truck/loader team production: **532.64** LCY/Hour

JOB TIME AND COSTFleet size: 1 Team(s) Total job time: **21.20** HoursUnit cost: \$1.050 /LCY Total job cost: **\$11,854**

BULLDOZER WORKTask description: Spread topsoil over banks and upland areaSite: Ready Mix PitPermit Action: AM-1Permit/Job#: M1977023**PROJECT IDENTIFICATION**Task #: 06AState: ColoradoAbbreviation: NoneDate: 2/8/2018County: GunnisonFilename: M1977023AM106aUser: DMCAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D8T - 8SUHorsepower: 310Blade Type: Semi-UniversalAttachment: NAShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$83.81	NA
Operating Cost/Hour:	\$66.17	100
Ripper own.		
Cost/Hour:	\$0.00	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$41.85	NA

Total unit Cost/Hour: \$191.83Total Fleet Cost/Hour: \$191.83**MATERIAL QUANTITIES**Initial Volume: 11,293Swell factor: 1.000Loose volume: 11,293 LCYSource of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 100 feetUnadjusted hourly production: 852.6 LCY/hrMaterials consistency description: Loose stockpile 1.2Average push gradient: 0 %Average site altitude: 7,650 feetMaterial weight: 1,600 lbs/LCYWeight description: Top SoilJob Condition Correction FactorSource

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:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.8593

Adjusted unit
production: 732.64 LCY/hr
Adjusted fleet
production: **732.64** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.262/LCY

Total job time: **15.41** Hours
Total job cost: **\$2,957**

REVEGETATION WORKTask description: Revegetate pond banks and upland areasSite: Ready Mix PitPermit Action: AM-1Permit/Job#: M1977023**PROJECT IDENTIFICATION**Task #: 07AState: ColoradoAbbreviation: NoneDate: 2/8/2018County: GunnisonFilename: M023-07aUser: DMCAgency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
10-34-0, 18-46-0, 5-10-5	200.00	pound	\$0.34	\$68.00
Total Fertilizer Materials Cost/Acre				\$68.00

Application

Description	Cost /Acre
Tractor towed spreader (MEANS 32 01 90.13 0120)	\$144.62
Total Fertilizer Application Cost/Acre	\$144.62

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)	\$242.00
Total Tilling Cost/Acre	\$348.29

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Sandberg Bluegrass - VNS	1.00	21.24	\$8.06
Sheep Fescue - Covar	1.00	15.61	\$5.23
Streambank Wheatgrass - Sodar	2.00	6.52	\$12.18
Thickspike Wheatgrass - Critana	2.00	7.07	\$11.48
Western Wheatgrass - Rosanna	6.00	15.15	\$48.48
Totals Seed Mix	12.00	65.59	\$85.43

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
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$261.00	\$522.00
Total Mulch Materials Cost/Acre				\$522.00

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$66.02
Power mulcher (MEANS 32 91 13.16 0350)	\$99.32
Total Mulch Application Cost/Acre	\$165.34

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:	15	Cost /Acre:	\$1,565.68
Estimated Failure Rate:	25%	Cost /Acre*:	\$1,565.68
*Selected Replanting Work Items:	FERTILIZING, TILLING, SEEDING, MULCHING		
Initial Job Cost:	\$23,485.20		
Reseeding Job Cost:	\$5,871.30		
Total Job Cost:	\$29,356		
Job Hours:	15.00		

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Mobilize reclamation crew and equipment**Site: **Ready Mix Pit**Permit Action: **AM-1**Permit/Job#: **M1977023****PROJECT IDENTIFICATION**Task #: **08A**State: **Colorado**Abbreviation: **None**Date: **2/8/2018**County: **Gunnison**Filename: **M1977023AM108a**User: **DMC**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
Cat D8T - 8SU	53.08	\$91.36	\$125.45	2	\$433.62	\$250.90	\$500.00
CAT 966H high lift	25.80	\$37.45	\$88.67	1	\$126.12	\$88.67	\$250.00
Cat 770D	37.54	\$78.80	\$117.55	2	\$392.70	\$235.10	\$500.00
Drill/Broadcast Seeder with Tractor	25.00	\$12.22	\$88.67	1	\$100.89	\$88.67	\$250.00
Centrifugal pump - 8M, 2 in.	0.22	\$0.35	\$88.67	1	\$89.02	\$88.67	\$250.00

Subtotals: **\$1,142.35** **\$752.01** **\$1,750.00****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	\$19.43	1	\$19.43	\$19.43

Subtotals: **\$19.43** **\$19.43**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	<u>GUNNISON</u>	
Total one-way travel distance:	<u>3.00</u>	miles
Average Travel Speed:	<u>35.00</u>	mph

Total Non-Roadable Mob/Demob Cost *	<u>\$6,109.45</u>
'* two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	<u>\$3.33</u>
** one round trip, no haul rig:	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	<u>0.09</u>	<u>0.09</u>
Return Time (Hours):	<u>0.09</u>	<u>0.09</u>
Loading Time (Hours):	<u>0.50</u>	<u>NA</u>
Unloading Time (Hours):	<u>0.50</u>	<u>NA</u>
Subtotals:	<u>1.17</u>	<u>0.17</u>

JOB TIME AND COST

Total job time:	<u>2.34</u>	Hours
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Total job cost:	<u>\$6,113</u>
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