



COLORADO

Division of Reclamation,
Mining and Safety

Department of Natural Resources

1313 Sherman Street, Room 215
Denver, CO 80203

April 23, 2014

Judy DeVincentis
Western Gravel, Inc.
3001 N. Townsend Ave.
Montrose, CO 81401

RE: North R-34 Pit, Permit No. M-1996-008, Reclamation Costs Update and Notice of Surety Increase (SI-2)

Dear Ms. DeVincentis:

In an effort to ensure the Financial Warranty for the above referenced site adequately reflects the actual current costs of fulfilling the requirements of the approved reclamation plan, the Colorado Division of Reclamation, Mining and Safety (Division) has updated the reclamation cost estimate (copy enclosed). ***Therefore, pursuant to Section 34-32.5-117(4) of the Colorado Land Reclamation Act, adequate Financial Warranty must be submitted to the Division within 60 days of the mailing date of this letter.*** The additional amount needs to be accepted prior to **Monday, June 23, 2014**. Please review the enclosed figures as soon as possible and contact our office if any calculation errors are noted.

Staff calculations estimate the cost to reclaim the above referenced site to be \$23,380.00. This is an increase of \$4,459.00 over the \$18,921.00 currently held by the Division. This estimate is based on conditions observed during the April 17, 2014 inspection.

Please make arrangements with Barbara Coria at the Division of Reclamation, Mining and Safety Denver Office, phone no. 303.866.3567, ext. 8148 for submittal of the financial warranty. Any questions regarding completion, execution and/or submittal of financial warranty forms should also be directed to Barbara Coria.

If you require additional information, have questions or concerns, please contact me at the DRMS Grand Junction Field Office.

Sincerely,

Dustin Czapla
Environmental Protection Specialist
Department of Natural Resources
Division of Reclamation, Mining and Safety
101 South 3rd, Suite 301
Grand Junction, CO 81501



Western Gravel, Inc.
April 23, 2014
Page 2

Phone: (970) 243-6299
Fax: (970) 241-1516

Cc:

Enc: Financial Warranty Cost Estimate



COST SUMMARY WORK

Task description: Reclamation cost update

Site: North R-34 Pit

Permit Action: 2014-04-17

Inspection

Permit/Job#: M1996008

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 4/22/2014

County: Montrose

Filename: M008-000

User: DMC

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Dewater pit	PUMPING	1	28.18	\$1,426.00
02a	Finish grade pit slopes	DOZER	1	3.27	\$648.37
03a	Grade pad/stockpile areas and NW Phase 1 disturbance	DOZER	1	5.85	\$1,158.72
04a	Haul topsoil from stockpiles	SCRAPER1	1	4.63	\$1,096.86
05a	Grade topsoil	DOZER	1	2.35	\$465.87
06a	Seed wetland fringe area	REVEGE	1	1.50	\$952.53
06b	Seed rangeland area	REVEGE	1	6.00	\$5,515.40
07a	Mobilize reclamation crew and equipment	MOBILIZE	1	2.66	\$4,266.44
<u>SUBTOTALS:</u>				54.44	\$15,530.19

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02%

Total = \$313.71

Performance bond: 1.05%

Total = \$163.07

Job superintendent: 71.96 hrs

Total = \$4,706.90

Profit: 10.00%

Total = \$1,553.02

TOTAL O & P = \$6,736.70

CONTRACT AMOUNT (direct + O & P) = \$22,266.89

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): 0.00

Total = 0.00

Engineering work and/or contract/bid preparation: 0.00%

Total = \$0.00

Reclamation management and/or administration: 5.00%

\$1,113.34

CONTINGENCY: 0.00

Total = \$0.00

TOTAL INDIRECT COST = \$7,850.04

TOTAL BOND AMOUNT (direct + indirect) = \$23,380.23

PUMPING WORK

Task description: Dewater pitSite: North R-34 PitPermit Action: 2014-04-17 InspectionPermit/Job#: M1996008

PROJECT IDENTIFICATION

Task #: 01AState: ColoradoAbbreviation: NoneDate: 4/22/2014County: MontroseFilename: M008-01aUser: DMCAgency or organization name: DRMS

HOURLY EQUIPMENT COST

	Description	Quantity
Make and Model:	Centrifugal pump - 125M, 8 in.	1
Attachment 1:	Suction pipe - 8 in. diam., 25 ft.	1
Attachment 2:	Discharge pipe - 8 in. D., 25 ft.	2
Labor Unit 1:	Pump operator	1

Horsepower: 70Shift Basis: 1 per dayWeight: 1.50

(US Tons)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	\$9.08	NA
Operating Cost/Hour:	\$18.56	100
Operator Cost/Hour:	\$22.94	NA
Total Unit Cost/Hour:	\$50.58	

Total Fleet Cost/Hour: \$50.58

PUMPING QUANTITIES

Initial Pond Volume:	<u>12.50</u>		Conversion factor:	<u>325850.5800</u>
Final Pond Volume:	<u>4,073,132.25</u>	gallons		
Total Pond Inflow Surface Area:	<u>4,250</u>	Sq. ft.	Unit inflow rate in gph/sq. ft.:	<u>0.3516</u>
Total Pond Inflow Volume per Hour:	<u>1,494.30</u>	gallons		

Source of estimated volume: Lower 2.5 ac by 5'

PUMPING TIME

Maximum Pump Capacity:	<u>125,000</u>	gph/pump
Estimated Suction Head:	<u>10</u>	feet
Estimated Discharge Head:	<u>10</u>	feet
Total Head:	<u>20</u>	feet
CPB Pump Capacity:	<u>126,000</u>	gph/pump
Site Altitude:	<u>5,675</u>	feet
Adjusted Pumping Capacity:	<u>126,000</u>	gph
Initial Unadjusted Pumping Time:	<u>32.33</u>	hours
Inflow during Initial Pumping:	<u>48,305</u>	gallons
Net Unadjusted Pumping Time:	<u>32.71</u>	Hours
Altitude Adjustment Factor:	<u>0.9400</u>	(3% rule)
Pump Efficiency Factor:	<u>0.9167</u>	(55 min./hr.)
Total Adjusted Pumping Time:	<u>28.19</u>	hours

JOB TIME AND COST

Total job time: 28.19 HoursUnit cost: \$0.000346 /GallonTotal job cost: \$1,426.00

BULLDOZER WORKTask description: Finish grade pit slopesSite: North R-34 PitPermit Action: 2014-04-17 InspectionPermit/Job#: M1996008**PROJECT IDENTIFICATION**Task #: 02AState: ColoradoAbbreviation: NoneDate: 4/22/2014County: MontroseFilename: M008-02aUser: DMCAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D8T - 8UHorsepower: 310Blade Type: UniversalAttachment: NAShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$56.69	NA
Operating Cost/Hour:	\$104.06	100
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$37.41	NA

Total unit Cost/Hour: \$198.16Total Fleet Cost/Hour: \$198.16**MATERIAL QUANTITIES**Initial Volume: 1,613Swell factor: 1.000Loose volume: 1,613 LCYSource of estimated volume: Approx. 1 ac. slope by 1 ft. depthSource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 50 feetUnadjusted hourly production: 1,627.0 LCY/hrMaterials consistency description: Compacted fill or embankment 0.9Average push gradient: 0 %Average site altitude: 5,675 feetMaterial weight: 3,400 lbs/LCYWeight description: Sand and gravel - Wet**Job Condition Correction Factor**

		<u>Source</u>
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: 492.98 LCY/hr

Adjusted fleet production: **492.98 LCY/hr**

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.402/LCY

Total job time: 3.27 Hours

Total job cost: **\$648.37**

BULLDOZER WORKTask description: Grade pad and stockpile areasSite: North R-34 PitPermit Action: 2014-04-17 InspectionPermit/Job#: M1996008**PROJECT IDENTIFICATION**Task #: 03AState: ColoradoAbbreviation: NoneDate: 4/22/2014County: MontroseFilename: M008-03aUser: DMCAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D8T - 8UHorsepower: 310Blade Type: UniversalAttachment: NAShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$56.69	NA
Operating Cost/Hour:	\$104.06	100
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$37.41	NA

Total unit Cost/Hour: \$198.16Total Fleet Cost/Hour: \$198.16**MATERIAL QUANTITIES**Initial Volume: 1,936Swell factor: 1.000Loose volume: 1,936 LCYSource of estimated volume: 1.2 ac x 12" depthSource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 100 feetUnadjusted hourly production: 931.6 LCY/hrMaterials consistency description: Compacted fill or embankment 0.9Average push gradient: 0 %Average site altitude: 5,675 feetMaterial weight: 2,900 lbs/LCYWeight description: Sand and gravel - Dry**Job Condition Correction Factor**

		<u>Source</u>
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:	0.793	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3554

Adjusted unit production: 331.09 LCY/hr

Adjusted fleet production: **331.09 LCY/hr**

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.599/LCY

Total job time: **5.85 Hours**

Total job cost: **\$1,158.72**

SCRAPER TEAM WORKTask description: Haul topsoil from stockpilesSite: North R-34 PitPermit Action: 2014-04-17 InspectionPermit/Job#: M1996008**PROJECT IDENTIFICATION**Task #: 04AState: ColoradoAbbreviation: NoneDate: 4/22/2014County: MontroseFilename: M008-04aUser: DMCAgency or organization name: DRMS**HOURLY EQUIPMENT**COSTShift basis: 1 per day

Equipment Description	
-Scraper:	Cat 623G
-Dozer:	NA
Support Equipment -Load Area:	NA
-Dump Area:	NA
Road Maintenance -Motor Grader:	NA
-Water Truck:	NA

Cost Breakdown:**Scraper Work Team****Support Equipment****Maintenance Equipment**

	Scraper	Dozer	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	NA	NA	NA	NA	NA
Ownership cost/hour:	\$72.49	NA	NA	NA	NA	NA
Operating cost/hour:	\$134.54	NA	NA	NA	NA	NA
Ripper op. cost/hour:	NA	NA	NA	NA	NA	NA
Operator cost/hour:	\$30.02	NA	NA	NA	NA	NA
Unit Subtotals:	\$237.05	NA	NA	NA	NA	NA
Number of Units:	1	0	0	0	0	0
Group Subtotals:	Work: \$237.05		Support:	\$0.00	Maint:	\$0.00

Total work team cost/hour: **\$237.05****MATERIAL QUANTITIES**Initial volume: 1,882

CCY

Swell factor: 1.000Loose volume: 1,882

LCY

Source of estimated volume: Approx. 2 ac x 7"Source of estimated swell factor: Cat Handbook**HOURLY PRODUCTION****Scraper Bowl (volume) Basis:**

Material weight: 1,600 lbs/LCY
 Material description: Top Soil
 Rated Payload: 55,200 pounds
 Payload Capacity: 34.50 LCY

Struck Volume: 18.00 LCY
 Heaped Volume: 23.00 LCY
 Average Volume: 20.50 LCY
 Adjusted Capacity: 20.50 LCY

Cycle Time:

Scraper Loading Time: 0.90 Minutes
 Maneuver and Spread Time: 0.70 Minutes

Job Condition Correction:

Site Altitude: 5675 feet

	Scraper	Push Dozer	Source
Altitude Adj:	1.000	NA	(CAT HB)
Job Efficiency:	0.830	NA	(CAT HB)
Net Correction:	0.830	NA	

Travel Time:Road Condition: Rutted dirt, little maintenance, no water, 2" tire penetration 5.0Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	500.00	0.00	5.00	5.00	1292	0.46

Haul Time: 0.46 minutesReturn Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	500.00	0.00	5.00	5.00	2359	0.45

Return Time: 0.45 minutesTotal Scraper team cycle time: 2.51 minutesAdjusted for job conditions: 406.73 LCY/HourSelected Number of Scrapers: 1 Scraper(s)Adjusted single scraper team (unit) hourly production: 406.73 LCY/HourAdjusted multiple scraper team (fleet) hourly production: 406.73 LCY/HourUnadjusted unit production/hour: 490.04 LCY/Hour

Optimal Number of Scrapers per push dozer: _____

JOB TIME AND COSTFleet size: 1 Team(s)Total job time: 4.63 HoursUnit cost: \$0.583 /LCYTotal job cost: \$1,096.86

BULLDOZER WORKTask description: Grade topsoilSite: North R-34 PitPermit Action: 2014-04-17 InspectionPermit/Job#: M1996008**PROJECT IDENTIFICATION**Task #: 05AState: ColoradoAbbreviation: NoneDate: 4/22/2014County: MontroseFilename: M008-05aUser: DMCAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D8T - 8UHorsepower: 310Blade Type: UniversalAttachment: NAShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$56.69	NA
Operating Cost/Hour:	\$104.06	100
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$37.41	NA

Total unit Cost/Hour: \$198.16Total Fleet Cost/Hour: \$198.16**MATERIAL QUANTITIES**Initial Volume: 1,882Swell factor: 1.000Loose volume: 1,882 LCYSource of estimated volume: Scraper taskSource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 100 feetUnadjusted hourly production: 931.6 LCY/hrMaterials consistency description: Loose stockpile 1.2Average push gradient: 0 %Average site altitude: 5,675 feetMaterial weight: 1,600 lbs/LCYWeight description: Top Soil**Job Condition Correction Factor**

		<u>Source</u>
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: 800.52 LCY/hr

Adjusted fleet production: **800.52** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.248/LCY

Total job time: **2.35** Hours

Total job cost: **\$465.87**

REVEGETATION WORKTask description: Seed wetland fringe areaSite: North R-34 PitPermit Action: 2014-04-17 InspectionPermit/Job#: M1996008PROJECT IDENTIFICATIONTask #: 06AState: ColoradoAbbreviation: NoneDate: 4/22/2014County: MontroseFilename: M008-06aUser: DMCAgency or organization name: DRMSFERTILIZINGMaterials

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
Chisel plowing {DMG}	\$88.58
Weed control spraying (MEANS 31 31 16.13 3100)	\$145.20
Total Tilling Cost/Acre	\$233.78

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Aquatic Sedge	1.20	31.74	\$281.96
Slender Wheatgrass - Native	3.00	10.95	\$6.75
Red Top	1.00	114.55	\$6.13
Reedgrass, Canadian (or Blue Joint)	0.50	51.42	\$101.55
Reedgrass, Northern - Native	0.50	51.42	\$68.96
Timothy, Alpine - Native	2.00	59.69	\$54.14
Totals Seed Mix	8.20	319.78	\$519.49

Application

Description	Cost /Acre
Drill seeding (DRMS Cost Data)	\$88.20
Total Seed Application Cost/Acre	\$88.20

MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$265.00	\$530.00
Total Mulch Materials Cost/Acre				\$530.00

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$65.89
Power mulcher (MEANS 32 91 13.16 0250)	\$86.68
Total Mulch Application Cost/Acre	\$152.57

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:	0.5	Cost /Acre:	\$1,524.04
Estimated Failure Rate:	25%	Cost /Acre*:	\$1,524.04
*Selected Replanting Work Items:	TILLING,SEEDING,MULCHING		
Initial Job Cost:	\$762.02		
Reseeding Job Cost:	\$190.51		
Total Job Cost:	\$952.53		
Job Hours:	1.50		

REVEGETATION WORKTask description: Seed rangeland areaSite: North R-34 PitPermit Action: 2014-04-17 InspectionPermit/Job#: M1996008PROJECT IDENTIFICATIONTask #: 06BState: ColoradoAbbreviation: NoneDate: 4/22/2014County: MontroseFilename: M008-06bUser: DMCAgency or organization name: DRMSFERTILIZINGMaterials

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
Chisel plowing {DMG}	\$88.58
Weed control spraying (MEANS 31 31 16.13 3100)	\$145.20
Total Tilling Cost/Acre	\$233.78

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Paloma	2.80	9.06	\$24.39
Canby Bluegrass - Canbar	0.90	19.13	\$7.54
Sand Dropseed	0.10	11.94	\$0.70
Galleta	0.80	2.92	\$20.16
Muttongrass	0.10	2.07	\$3.68
Western Wheatgrass - Arriba	5.60	14.14	\$20.61
Saltbush, Four Wing	2.00	2.75	\$21.46
Totals Seed Mix	12.30	62.02	\$98.53

Application

Description	Cost / Acre
Drill seeding (DRMS Cost Data)	\$88.20
Total Seed Application Cost/Acre	\$88.20

MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost / Acre
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$265.00	\$530.00
Total Mulch Materials Cost/Acre				\$530.00

Application

Description	Cost / Acre
Crimping, with tractor {DMG survey data}	\$65.89
Power mulcher (MEANS 32 91 13.16 0250)	\$86.68
Total Mulch Application Cost/Acre	\$152.57

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: 4 Cost / Acre: \$1,103.08
 Estimated Failure Rate: 25% Cost / Acre*: \$1,103.08
 *Selected Replanting Work Items: TILLING, SEEDING, MULCHING
 Initial Job Cost: \$4,412.32
 Reseeding Job Cost: \$1,103.08
 Total Job Cost: \$5,515.40
 Job Hours: 6.00

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Mobilize reclamation crew and equipment**Site: **North R-34 Pit**Permit Action: **2014-04-17 Inspection**Permit/Job#: **M1996008****PROJECT IDENTIFICATION**Task #: **07A**State: **Colorado**Abbreviation: **None**Date: **4/22/2014**County: **Montrose**Filename: **M008-07a**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 - 8U	48.33	\$56.69	\$117.55	1	\$174.24	\$117.55	\$250.00
Cat 623G	41.35	\$72.49	\$117.55	1	\$190.04	\$117.55	\$250.00
Drill/Broadcast Seeder with Tractor	25.00	\$39.59	\$88.67	1	\$128.26	\$88.67	\$250.00
Power Mulcher (Reinco M90)	6.00	\$7.03	\$88.67	1	\$95.70	\$88.67	\$250.00
Centrifugal pump - 125M, 8 in.	1.50	\$6.36	\$88.67	1	\$95.03	\$88.67	\$250.00

Subtotals: **\$683.27** **\$501.11** **\$1,250.00****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.	\$15.34	1	\$15.34	\$15.34

Subtotals: **\$15.34** **\$15.34**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	<u>MONTROSE</u>	
Total one-way travel distance:	<u>5.00</u>	miles
Average Travel Speed:	<u>30.00</u>	mph

Total Non-Roadable Mob/Demob Cost *	<u>\$4,261.33</u>
** two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	<u>\$5.11</u>
** one round trip, no haul rig:	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.17	0.17
Return Time (Hours):	0.17	0.17
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.33	0.33

JOB TIME AND COST

Total job time: 2.67 Hours

Total job cost: \$4,266.44