

November 4, 2015

Ed MacArthur
Alpine Aggregates, LLC
P.O. Box 880202
Steamboat Springs, CO 80487



COLORADO
Division of Reclamation,
Mining and Safety
Department of Natural Resources

1313 Sherman Street, Room 215
Denver, CO 80203

***RE: Steamboat Sand and Gravel Pit, Permit No. M-2001-090, Technical Revision (TR-1)
Approval***

Dear Mr. MacArthur:

On November 3, 2015 the Division of Reclamation, Mining and Safety (Division) approved the Technical Revision request (TR-1) submitted on November 26, 2015, addressing the following:

Revising reclamation plan to certify that enough stockpiled material will be present on site to complete reclamation and there will be no need to import material.

The terms of the TR-1 approved by the Division are hereby incorporated into Permit No. M-2001-090. All other conditions and requirements of the permit remain in full force and effect.

The bond currently held by the Division in the amount of \$422,000 is adequate to achieve final reclamation. Please review the enclosed figures as soon as possible and contact our office if any calculation errors are noted.

If you require additional information, or have questions or concerns, please feel free to contact me. Amy Yeldell at the Division of Reclamation, Mining and Safety, 1313 Sherman St., Room 215, Denver, CO 80203. Direct contact can be made by phone at 970-254-8511 or via email at amy.yeldell@state.co.us

Sincerely,

Amy Yeldell
Environmental Protection Specialist
Department of Natural Resources
Division of Reclamation, Mining and Safety
Phone: (970) 254-8511
Fax: (970) 241-1516

Cc:

Russ Means, Senior EPS / Field Office Supervisor, Grand Junction DRMS
Betsy Wilbanks, Native Excavating, Permitting and Compliance Officer



COST SUMMARY WORK

Task description: 2015-Update

Steamboat Sand and Gravel
Site: Pit

Permit Action:
2015-Post Inspection

Permit/Job#: M2001090

PROJECT IDENTIFICATION

Task #: 001
Date: 8/18/2015
User: ACY

State: Colorado
County: Routt

Abbreviation: None
Filename: M090-001

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01b	Remove scale and scalehouse	DEMOLISH	1	20.00	\$17,114.73
02b	Dewater Phase 1A Pit	PUMPING	1	232.22	\$33,944.00
03b	Placement of backfill	LOADER	4	246.15	\$142,300.00
04b	Grade backfill material	DOZER	1	18.74	\$3,915.00
05b	Placement of topsoil	DOZER	1	34.96	\$7,303.00
06b	Reveg. shoreline	REVEGE	1	16.00	\$12,907.00
07b	Reveg. Hay Meadows	REVEGE	1	36.00	\$40,724.00
08b	Mobilize reclamation crew and equipment	MOBILIZE	1	3.14	\$5,676.00
09b	Secondary mobilize reclamation crew and equipment	MOBILIZE	1	0.57	\$107.00
<u>SUBTOTALS:</u>				607.78	\$263,991

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02
Performance bond: 1.05
Job superintendent: 303.89
Profit: 10.00

Total = \$5,332.62
Total = \$2,771.91
Total = \$22,840.37
Total = \$26,399.10

TOTAL O & P = \$57,344.00

CONTRACT AMOUNT (direct + O & P) = \$321,335.00

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): 500.00
Engineering work and/or contract/bid preparation: 7.22
Reclamation management and/or administration: 5.30

Total = 500.00
Total = \$23,200.39
Total = \$17,030.76

CONTINGENCY: 0.00

Total = \$0.00

TOTAL INDIRECT COST = \$98,075.14

TOTAL BOND AMOUNT (direct + indirect) = \$362,066.14

DEMOLITION WORK

Task description: Remove scale and scalehouse

Site: River Valley Resource

Permit Action: 2015-Post Inspection

Permit/Job#: M2001090

PROJECT IDENTIFICATION

Task #: 01B

State: Colorado

Abbreviation: None

Date: 8/18/2015

County: Routt

Filename: M090-01b

User: ACY

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
Scale house	60L x 12W x 10H (ft)	Bldg. (SN) demo./off-site disposal in approved landfill - Max. 15 mile haul	7,200.00	CF	\$1.08	\$7,768.80
Scale	60'L x 15'W (ft)	Demo/Load/Haul to Milner landfill - 20 mi.	1.00	EA	\$1,786.00	\$1,786.00
Scale house foundation	60L x 12W	Floor, concrete, demolition only, average reinforcing - 6 in. thick	720.00	SF	\$1.64	\$1,180.80
Line power	3000 LF	Powerline or telephone line, overhead, wood - Single pole	3,000.00	LF	\$2.67	\$8,010.00

Job Hours: 20.00

Subtotal
(unadjusted): \$18,745.60

Total Cost
(adjusted for location): \$17,114.73

PUMPING WORK

Task description: Dewater Phase 1A Pit

Site: River Valley Resource

Permit Action: 2015-Post Inspection

Permit/Job#: M2001090

PROJECT IDENTIFICATION

Task #: 02B

State: Colorado

Abbreviation: None

Date: 8/18/2015

County: Routt

Filename: M090-02b

User: ACY

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

	Description	Quantity
Make and Model:	Centrifugal pump - 200M, 10 in.	4
Attachment 1:	Suction pipe - 10 in. diam., 25 ft.	4
Attachment 2:	Discharge pipe - 10 in. D., 25 ft.	4
Labor Unit 1:	Pump operator	1
Horsepower:	70	
Shift Basis:	1 per day	
Weight:	1.95	
	(US Tons)	

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	\$40.52	NA
Operating Cost/Hour:	\$83.16	100
Operator Cost/Hour:	\$22.49	NA
Total Unit Cost/Hour:	\$146.17	
Total Fleet Cost/Hour:	\$146.17	

PUMPING QUANTITIES

Initial Pond Volume:	306.93		Conversion factor:	325850.5800
Final Pond Volume:	100,013,318.52	gallons		
Total Pond Inflow Surface Area:	75,000	Sq. ft.	Unit inflow rate in gph/sq. ft.:	0.1758
Total Pond Inflow Volume per Hour:	13,185.00	gallons		

Source of estimated volume: Mine map

PUMPING TIME

Maximum Pump Capacity:	200,000	gph/pump
Estimated Suction Head:	25	feet
Estimated Discharge Head:	0	feet
Total Head:	25	feet
CPB Pump Capacity:	93,000	gph/pump
Site Altitude:	7,850	feet
Adjusted Pumping Capacity:	372,000	gph
Initial Unadjusted Pumping Time:	268.85	hours
Inflow during Initial Pumping:	3,544,827	gallons
Net Unadjusted Pumping Time:	278.38	Hours
Altitude Adjustment Factor:	0.9100	(3% rule)
Pump Efficiency Factor:	0.9167	(55 min./hr.)
Total Adjusted Pumping Time:	232.23	hours

JOB TIME AND COST

Total job time: 232.23 Hours

Unit cost: \$0.000328 /Gallon

Total job cost: \$33,944

WHEEL LOADER – LOAD AND CARRY WORKTask description: **Placement of backfill**Site: **River Valley Resource**Permit Action: **AM2**Permit/Job#: **M2001090****PROJECT IDENTIFICATION**Task #: **03B**State: **Colorado**Abbreviation: **None**Date: **7/5/2012**County: **Routt**Filename: **M090-03b**User: **DMC**Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Basic Machine: **CAT 972H**Attachment 1: **ROPS Cab**Horsepower: **287**Shift Basis: **1 per day**Data Source: **(CRG)****Cost Breakdown:**

		Utilization %
Ownership Cost/Hour:	\$38.44	NA
Operating Cost/Hour:	\$68.95	100
Operator Cost/Hour:	\$37.13	NA
Total Unit Cost/Hour:	\$144.52	
Total Fleet Cost/Hour:	\$578.08	

MATERIAL QUANTITIESInitial volume: **190,953**

CCY

Swell factor: **1.000**Loose volume: **190,953**

LCY

Source of estimated volume: **Ex. L**Source of estimated swell factor: **Cat Handbook****HOURLY PRODUCTION**Loader Cycle Time: Unadjusted Basic Cycle Time (load, dump, maneuver): **0.525** minutes

Cycle Time Factors		Factor (min.)	Source
Material:	Mixed material 0.02	0.020	(Cat HB)
Stockpile:	Dumped by truck 0.02	0.020	(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:		0.000	minutes
Adjusted Basic Cycle Time:		0.525	minutes

Rolling Resistance – Road ConditionsHaul: **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:	500	0.00	5.00	5.00	0.4611	(Cat HB)
Return Route:	500	0.00	5.00	5.00	0.4160	(Cat HB)

Total Travel Time: 0.8771 minutes
 Total Cycle Time: 1.4021 minutes

Load Bucket Capacity

Rated Capacity: 5.60 LCY (heaped)
 Bucket Fill Factor: 0.975 Loose material - mixed moist aggregates (95-100%) 0.975
 Adjusted Capacity: 5.46 LCY

Job Condition Correction Factors

Site Altitude: 7850 feet

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

Unadjusted Hourly Unit Production: 233.65 LCY/Hour
 Adjusted Hourly Unit Production: 193.93 LCY/Hour
 Adjusted Hourly Fleet Production: 775.73 LCY/Hour

JOB TIME AND COST

Fleet size:	<u>4</u>	Loader(s)	Total job time:	<u>246.16</u>	Hours
Unit cost:	<u>\$0.745</u>	/LCY	Total job cost:	<u>\$142,300</u>	

BULLDOZER WORKTask description: Grade backfill materialSite: River Valley ResourcePermit Action: 2015-Post InspectionPermit/Job#: M2001090**PROJECT IDENTIFICATION**Task #: 04BState: ColoradoAbbreviation: NoneDate: 11/3/2015County: RouttFilename: M090-04bUser: ACYAgency 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:	\$62.67	NA
Operating Cost/Hour:	\$108.22	100
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$38.01	NA

Total unit Cost/Hour: \$208.90Total Fleet Cost/Hour: \$208.90**MATERIAL QUANTITIES**Initial Volume: 19,953Swell factor: 1.000Loose volume: 19,953 LCYSource of estimated volume: 10% of total backfill material placed by loaderSource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 50 feetUnadjusted hourly production: 1,627.0 LCY/hrMaterials consistency description: Loose stockpile 1.2Average push gradient: 0 %Average site altitude: 7,850 feetMaterial weight: 2,100 lbs/LCYWeight description: Earth - Loam**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:	1.095	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.6544

Adjusted unit production: 1,064.71 LCY/hr

Adjusted fleet production: **1064.71 LCY/hr**

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.196/LCY

Total job time: 18.74 Hours

Total job cost: **\$3,915**

BULLDOZER WORKTask description: Placement of topsoilSite: River Valley ResourcePermit Action: 2015-Post InspectionPermit/Job#: M2001090**PROJECT IDENTIFICATION**Task #: 05BState: ColoradoAbbreviation: NoneDate: 11/3/2015County: RouttFilename: M090-05bUser: ACYAgency 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:	\$62.67	NA
Operating Cost/Hour:	\$108.22	100
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$38.01	NA

Total unit Cost/Hour: \$208.90Total Fleet Cost/Hour: \$208.90**MATERIAL QUANTITIES**Initial Volume: 27,985Swell factor: 1.000Loose volume: 27,985 LCYSource of estimated volume: Ex. LSource 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: 7,850 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: \$0.261/LCY

Total job time: **34.96** Hours

Total job cost: **\$7,303**

REVEGETATION WORKTask description: Reveg. shorelineSite: River Valley ResourcePermit Action: 2015-Post InspectionPermit/Job#: M2001090**PROJECT IDENTIFICATION**Task #: 06BState: ColoradoAbbreviation: NoneDate: 11/3/2015County: RouttFilename: M090-06bUser: ACYAgency 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
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
Alkali Sacaton	1.00	39.03	\$22.81
Meadow Sedge	1.00	41.69	\$150.69
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
Saltgrass, Inland	1.00	13.86	\$46.99
Timothy, Alpine - Native	1.00	29.84	\$27.07
Basin Wildrye - Trailhead	1.50	6.10	\$9.83

Totals Seed Mix	10.50	358.87	\$440.78
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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
Total Mulch Application Cost/Acre	\$65.89

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: 7.6 Cost /Acre: \$1,358.65
 Estimated Failure Rate: 25% Cost /Acre*: \$1,358.65
 *Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: **\$10,325.74**
 Reseeding Job Cost: **\$2,581.44**
 Total Job Cost: **\$12,907**
 Job Hours: **16.00**

REVEGETATION WORKTask description: Reveg. Hay MeadowsSite: River Valley ResourcePermit Action: 2015-Post InspectionPermit/Job#: M2001090PROJECT IDENTIFICATIONTask #: 07BState: ColoradoAbbreviation: NoneDate: 11/3/2015County: RouttFilename: M090-07bUser: ACYAgency 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
Orchardgrass - Paiute	3.50	43.39	\$7.56
Smooth Brome - Lincoln	2.50	8.32	\$3.33
Timothy, Alpine - Native	4.00	119.38	\$108.28
Totals Seed Mix	10.00	171.09	\$119.17

Application

Description	Cost /Acre
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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
Total Mulch Application Cost/Acre	\$65.89

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
Cottonwood, Narrowleaf	8.7	Container, 1 gallon (MEANS)	\$13.50	\$2.40	\$117.45
Willow, Sandbar	8.7	Container, 1 gallon (MEANS)	\$15.90	\$2.40	\$138.33
Totals Nursery Stock Cost / Acre					\$255.78

JOB TIME AND COST

No. of Acres: 25.2 Cost /Acre: \$1,292.82
 Estimated Failure Rate: 25% Cost /Acre*: \$1,292.82
 *Selected Replanting Work Items: TILLING,SEEDING,NURSERY,MULC
HING

Initial Job Cost: \$32,579.06
 Reseeding Job Cost: \$8,144.77
 Total Job Cost: \$40,724
 Job Hours: 36.00

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Mobilize reclamation crew and equipment**Site: **River Valley Resource**Permit Action: **2015-Post Inspection**Permit/Job#: **M2001090****PROJECT IDENTIFICATION**Task #: **08B**State: **Colorado**Abbreviation: **None**Date: **11/3/2015**County: **Routt**Filename: **M090-08b**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:	\$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/uni t	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Cat D8T - 8U	48.33	\$58.56	\$117.55	1	\$176.11	\$117.55	\$250.00
CAT 972H	28.00	\$36.70	\$117.55	4	\$617.01	\$470.20	\$500.00
Centrifugal pump - 200M, 10 in.	1.95	\$7.66	\$88.67	4	\$385.30	\$354.68	\$250.00

Subtotals: **\$1,178.42** **\$942.43** **\$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	\$25.30	1	\$25.30	\$25.30
Drill/Broadcast Seeder with Tractor	\$136.29	1	\$136.29	\$136.29
Power Mulcher (Reinco M90)	\$26.19	1	\$26.19	\$26.19

Subtotals: **\$187.78** **\$187.78**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:

STEAMBOAT
SPRINGS

Total one-way travel distance:

10.00

miles

Average Travel Speed:

35.00

mph

Total Non-Roadable Mob/Demob Cost *

** two round trips with haul rig:

\$5,568.75

Total Roadable Mob/Demob Cost **

** one round trip, no haul rig:

\$107.30

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.29	0.29
Return Time (Hours):	0.29	0.29
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.57	0.57

JOB TIME AND COSTTotal job time: 3.14 HoursTotal job cost: \$5,676

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: Secondary mobilize reclamation crew and equipmentSite: River Valley ResourcePermit Action: 2015-Post InspectionPermit/Job#: M2001090PROJECT IDENTIFICATIONTask #: 09BState: ColoradoAbbreviation: NoneDate: 11/3/2015County: RouttFilename: M090-09bUser: ACYAgency or organization name: DRMSEQUIPMENT TRANSPORT RIG COSTShift basis: 1 per dayCost Data Source: CRG DataTruck 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 t	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Subtotals:					\$0.00	\$0.00	\$0.00

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	\$25.30	1	\$25.30	\$25.30
Drill/Broadcast Seeder with Tractor	\$136.29	1	\$136.29	\$136.29
Power Mulcher (Reinco M90)	\$26.19	1	\$26.19	\$26.19
Subtotals:			\$187.78	\$187.78

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:

STEAMBOAT
SPRINGS

Total one-way travel distance:

10.00

miles

Average Travel Speed:

35.00

mph

Total Non-Roadable Mob/Demob Cost *

\$0.00

** two round trips with haul rig:

Total Roadable Mob/Demob Cost **

\$107.30

** one round trip, no haul rig:

Transportation Cycle Time:

	Non- Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.29	0.29
Return Time (Hours):	0.29	0.29
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.57	0.57

JOB TIME AND COSTTotal job time: 0.57 HoursTotal job cost: \$107