STATE OF COLORADO

DIVISION OF RECLAMATION, MINING AND SAFETY Department of Natural Resources

1313 Sherman St., Room 215 Denver, Colorado 80203 Phone: (303) 866-3567 FAX: (303) 832-8106



August 29, 2012

Ed MacArthur Alpine Aggregates, Inc. P.O. Box 880202 Steamboat Springs, CO 80488 John W. Hickenlooper Governor

Mike King Executive Director

Loretta Piñeda Director

RE: Steamboat Sand and Gravel Pit, File No. M-2001-090, Construction Material Regular (112) Operation Reclamation Permit Amendment Application (AM2), Decision Letter – Financial and Performance Warranty Request

Dear Mr. MacArthur:

On August 29, 2012, the Division of Reclamation, Mining and Safety (Division) approved the above noted permit amendment application.

The amount of financial warranty set by the Division for this operation is an amount of (\$422,000.00). A financial warranty of the entire amount, as well as a performance warranty, must be submitted to the Division before a Reclamation Permit may be issued. Please select a type of financial warranty from those detailed in Rule 4.3. Once a financial warranty type is selected, please download the applicable financial warranty and performance warranty forms from the Division's website <u>http://mining.state.co.us/Mineral%20Forms.htm</u>. You may also contact the the Division to have copies of your selected warranty forms mailed to you.

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 and performance warranties. Any questions regarding completion, execution and/or submittal of financial and/or performance warranty forms should also be directed to Barbara Coria.

PLEASE NOTE THAT MINING OPERATIONS MAY NOT COMMENCE UNTIL A PERMIT HAS BEEN ISSUED BY THE DIVISION <u>AFTER</u> RECEIPT OF THE FINANCIAL AND PERFORMANCE WARRANTIES. A PERMIT WILL NOT BE Ed MacArthur August 29, 2012 Page 2

ISSUED UNTIL THE ADEQUACY OF BOTH THE FINANCIAL WARRANTY AND PERFORMANCE WARRANTY ARE VERIFIED BY THE DIVISION.

Please feel free to contact me, regarding any questions or concerns you may have, at the Division of Reclamation, Mining and Safety 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 Phone: (970) 243-6299 Fax: (970) 241-1516

Enclosure: DRMS Bond Calculation Worksheets

Cc:

COST SUMMARY WORK

Task descr	iption:	AM2 FW Review			
Site: River V	alley Resource	Permit Action:	AM2	Permit/Job#:	M2001090
PROJEC	<u>T IDENTIFI</u>	CATION			
Task #:		State: Colorado		Abbreviation:	None
Date:	7/5/2012	County: Routt		Filename:	M090-000
User:	DMC				

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Remove scale and scalehouse	DEMOLISH	1	16.00	\$8,605.21
02a	Dewater Phase 1A Pit	PUMPING	1	232.22	\$28,926.00
03a	Import backfill material	TRUCK1	1	175.75	\$96,612.69
03b	Placement of backfill	LOADER	4	246.15	\$138,571.00
03c	Grade backfill material	DOZER	1	18.74	\$3,745.95
04a	Placement of topsoil	DOZER] 1	34.96	\$6,987.77
05a	Reveg. shoreline	REVEGE] 1	8.00	\$10,899.92
05b	Reveg. Hay Meadows	REVEGE] 1	25.00	\$34,282.40
06a	Mobilize reclamation crew and equipment	MOBILIZE] 1	3.14	\$6,463.69
		759.96	\$335,094.63		

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$6,768.91
Performance bond:	1.05	Total =	\$3,518.49
Job superintendent:	379.98	Total =	\$22,532.81
Profit:	10.00	Total =	\$33,509.46
		TOTAL O & P =	\$66,329.67
		CONTRACT AMOUNT (direct + O & P) =	\$401,424.30

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	500.0		500.00
Engineering work and/or contract/bid preparation:	0.00	Total =	\$0.00
Reclamation management and/or administration:	5.00		\$20,071.22
CONTINGENCY:	0.00	Total =	\$0.00
		TOTAL INDIRECT COST =	\$86,900.89

TOTAL BOND AMOUNT (direct + indirect) = _____\$422,000

DEMOLITION WORK

	Task description:	Remove sca	le and scalehou			
Site:	River Valley Resource		Permit Action:	AM2	Permit/.	Job#: M2001090
<u>'ROJE</u>	CT IDENTIFICATIO	N				
Task #	: 01A	State:	Colorado		Abbreviation:	None
Date	: 7/5/2012	County:	Routt		Filename:	M090-01a
User	: DMC					

Structure or Item **Demolition Menu Total Cost** Unit **Dimensions** Quantity Unit Description Selection Cost Scale house 60L x 12W x Bldg. (SN) demo./off-7,200.00 CF \$1.06 \$7,639.20 site disposal in approved 10H (ft) landfill - Max. 15 mile haul Scale 40'L x 10'W (ft) Demo/Load/Haul to 1.00 EA \$1,786.00 \$1,786.00 Milner landfill - 20 mi.

Location adjustment: 91.30 %

UNIT COSTS

				Total Cost	
		Subtotal		(adjusted for	
Job Hours:	16.00	(unadjusted):	\$9,425.20	location):	\$8,605.21

PUMPING WORK

Task description: Dewa	ater Phase 1A Pit			
e: River Valley Resource	Permit Action	n: AM2	Permit/Job#:	M2001090
PROJECT IDENTIFICATI	<u>ON</u>			
Task #: 02A Date: 7/5/2012 User: DMC	State: Colorad County: Routt	do	Abbreviation: Filename:	None M090-02a
Agency or organization	name: DRMS			
HOURLY EQUIPMENT CO				
Descr			Quantity	
	ifugal pump - 200M, 1	0 in.	4	
	on pipe - 10 in. diam., 1		2	
	arge pipe - 10 in. D., 2	25 ft.	2	
Labor Unit 1:Pump	operator		1	
Horsepower: 70				
Shift Basis: <u>1 per day</u>				
Weight: 1.95 (US Tons)				
Cost Breakdown:		Utilization %		
Ownership Cost/Hour:	\$36.40	NA		
Operating Cost/Hour:	\$68.74	100		
Operator Cost/Hour:	\$19.42	NA		
Total Unit Cost/Hour:	\$124.56			
Total Fleet Cost/Hour:	\$124.56			
<u>PUMPING QUANTITIES</u>				
Initial Pond Volume:	206.02		Commission footom	225950 5900
Final Pond Volume:	306.93 100,013,318.52	gallons	Conversion factor:	325850.5800
Total Pond Inflow Surface	100,013,510.52	Suitons	Unit inflow rate in	
Area:	75,000	Sq. ft.	gph/sq. ft.:	0.1758
Total Pond Inflow Volume				
per Hour:	13,185.00	gallons		
Source of estimation	ated volume: Mine	map		
PUMPING TIME				
Maximum P	ump Capacity:	200,000	gph/pump	
	Suction Head:	25	feet	
Estimated D	ischarge Head:	0	feet	
	Total Head:	25	feet	
СРВ Р	Pump Capacity:	93,000 7,850	gph/pump	
	Sile Allitude.	7,850	feet	
Adjusted Dum	ping Capacity:	372,000	anh	
Initial Unadjusted I		268.85	gph hours	
Inflow during In		3,544,827	gallons	
Net Unadjusted I	Pumping Time:	278.38	Hours	
	stment Factor:	0.9100	(3% rule)	
	ficiency Factor:	0.9167	(55 min./hr.)	
Total Adjusted I	rumping Time:	232.23	hours	
JOB TIME AND COST		Total job time	232.23	Hours
Unit cost: \$0.000279	/Gallon	Total job cos	t: \$28,926.0	0

TRUCK/LOADER TEAM WORK

Task description:	Import	backfill ma	terial					
Site: River Valley Res	ource	Permit	t Action:	AM2		Permit/Job#:	M2	2001090
PROJECT IDEN	TIFICATION	<u>N</u>						
Task #: 03A		State: 0	Colorado			Abbreviation:	Nor	ie
Date: 7/5/20 User: DMC					Filename:	M0	90-03a	
Agency or	organization na	me: DRM	IS				- (c)	
HOURLY EQUI	PMENT COS	T			Shift	basis: <u>1 per day</u>		
			Equ	ipment Descri	iption			
Т	ruck Loader Te	am -Truck:		с 12-18 су, бх	4			
		-Loader:	CAT 972H					
Suppo	ort Equipment -		NA					
		Dump Area:	NA					
Road Ma	intenance –Mo		NA					
	- W	ater Truck:	NA					
Cost Breakdown:	Truck/Lo	oader Team		Support	Equipment	Maint	tenan	ce Equipment
	Truck	Loader	I	oad Area	Dump Area	Motor Gra	der	Water Truck
Utilization-machine:	100	100		NA	NA	NA		NA
Ownership cost/hour:	\$14.78	\$36.70)	NA	NA	NA		NA
Operating cost/hour:	\$65.18	\$65.54	1	NA	NA	NA		NA
Ripper op. cost/hour:	NA	\$0.00		NA	NA	NA		NA
Operator cost/hour:	\$22.29	\$38.49)	NA	NA	NA		NA
Unit Subtotals:	\$102.25	\$140.7	3	NA	NA	NA		NA
Number of Units:	4	1		0	0	0		0
Group Subtotals:	Work:	\$549.73		Support:	\$0.00	Ma	int:	\$0.00

Total work team cost/hour: \$549.73

MATERIAL QUANTITIES

Initial volume:	10,000	CCY Swell factor: 1.000	
Loose volume:	10,000	LCY	
Sour	ce of estimated volume:	Division of Reclamation, Mining & Safety	
Source of	f estimated swell factor:	Cat Handbook	
	Material Purchase Cost:	\$30.00	
	Total Cost:	\$30.00	

HOURLY PRODUCTION

Truck Capacity:		
Truck Payload (weight) Bas	<u>is:</u>	
Material weight:	2,100	Pounds/LCY
Description:	Earth - Loam	
Rated Payload:	50,300	Pounds
Payload Capacity:	23.95	LCY

Truck Bed (volume) Basis:

Struck Volume:	12.00	LCY
Heaped Volume:	18.00	LCY
Average Volume:	15.00	LCY
Adjusted Volume:	18.00	LCY

Final Truck Volume Based on Number of Loader Passes: 16.38 LCY

Site Altitude (ft.): 6850 feet

Loading Tool Capacity

		Bucket Size Class:	NA
Rated Capacity:	5.600	LCY (heaped)	
Bucket Fill Factor:	0.975	Loose material - mixed moist aggregates (95-100	%) 0.975
Adjusted Capacity:	5.460	LCY	

Job Condition Corrections:

TruckLoaderSourceAltitude Adj:1.0001.000(CAT HB)Job Efficiency:0.8300.830(CAT HB)Net Correction:0.8300.8300.830

Loading Tool Cycle Time: Number of Loading Tool Passes Required to Fill Truck: 3 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): 0.525 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:	Independently owned trucks 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 Loader Cycle Time:	0.565	minutes
	Net Load Time per Truck:	1.230	minutes

Truck Cycle Time:

Truck Exchange Time:	0.50	Minutes	Adjusted for site altitude:	0.500	Minutes
Truck Load Time:	1.230	Minutes	Adjusted for site altitude:	1.230	Minutes
Truck Maneuver and Dump Time:	0.90	Minutes	Adjusted for site altitude:	0.900	Minutes

Truck Travel (Haul & Return) Time: penetration 1.2 Road Condition: Very hard, smooth, asphalt or concrete, no tire

CIRCES Cost Estimating Software

Haul Rou	te:							
Seg #	Haul I (Ft)	Distance	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)	
1	79200	.00	0.00	1.20	1.20	2895	27.491	
					Haul Time:	27.491	minutes	
Return Ro	oute:				-			
Seg #	Haul I	Distance	Grade (%)	Roll. Res	Total Res	Velocity	Travel	
	(Ft)			(%)	(%)	(fpm)	Time (min)	
1	79200	.00	0.00	1.20	1.20	2913	27.223	
				Total Tru	Return Time: ck Cycle Time:	27.223		
				101011110		011011		
Loading Toc Produ Truck Unit Produ	uction _	568.09	LCY/Hour		Adjusted for j	ob efficiency:	471.52	LCY/Hour
Huck Omt Hout	-	17.14	LCY/Hour		Adjusted for j	ob efficiency:	14.23	LCY/Hour
Optimal No. of Tr	rucks:	33	Truck(s)		Selected Num	ber of Trucks:	4	Truck(s)
			Adjuste	ed hourly truc	k team production	on: 56.	90 LCY/	Hour
					er team production			Hour
			Adjusted multip	le truck/loade	er team production	on: 56.	90 LCY/	Hour
JOB TI	ME AN	D COST						
Fleet	size:	1	Team(s)	-	Total job time:	175.7	75 Hou	irs
Unit	cost:	\$9.661	/LCY		Total job cost:	\$96,612	2.69	

WHEEL LOADER - LOAD AND CARRY WORK

Task description:	Placeme	ent of backfill				
e: River Valley Res	source	Permit Act	tion: AM2		Permit/Job#	: M2001090
PROJECT IDEN	TIFICATION					
Task #: 03B		State: Colo	rado		Abbreviation:	None
Date: 7/5/20)12	County: Rout			Filename:	M090-03b
User: DMC						
Agency or	organization nan	ne: DRMS				
HOURLY EQUI	PMENT COST	<u>r</u>				
Basic Machi	ne: CAT 972H	I		Horsep	ower:	287
Attachment	1: ROPS Cab)	_	Shift E		per day
				Data So	ource: (CRG)
Cost Breakdown:						
<u>occuprendo mi</u>			Utilizatio	on %		
Ownership	Cost/Hour:	\$36.70	NA			
Operating		\$65.54	100			
•	Cost/Hour:	\$38.49	NA			
Total Unit	Cost/Hour:	\$140.73				
Total Fleet	Cost/Hour:	\$562.93				
MATERIAL QU	ANTITIES					
Initial volume	: 190,953	CC	Y Sw	ell factor: 1.0	000	
Loose volume	: 190,95	53 LC	Y			
So	urce of estimated	volume: Ex.	т			
	of estimated swe		Handbook			
HOURLY PROI	DUCTION					
Loader Cycle Time:			T: (1 1 1		0.505	•
Loader Cycle Time.	. Unadjust	ed Basic Cycle	Time (load, dum	p, maneuver):	0.525	minutes
Cycle Time					Factor (min.)	Source
		1 material 0.02			0.020	(Cat HB)
		ed by truck 0.02			0.020	(Cat HB)
Truck Own			not applicable	0.00	0.000	(Cat HB)
		ant operation -0.	04		-0.040	(Cat HB)
Dump	Target: Nomin	nal target 0.00	A Coult Time A	1	0.000	(Cat HB)
			et Cycle Time A djusted Basic C		0.000	_ minutes
			lujusieu Dasie C		0.525	minutes
Rolling Resistance -	- Road Condition	<u>15</u>				
	Haul: Rutted d	lirt. little mainter	nance, no water,	2" tire penetra	tion 5.0	
			nance, no water,			
Haul and Return Ti			,,	£		
And the folding fill					1	0
	Length	Grade Res.	Rolling	Total Res.	Travel Time	Source
IT-1 Dant-	(feet)	(%)	Res. (%)	(%)	(minutes)	
Haul Route	: 500	0.00	5.00	5.00	0.4611	(Cat HB)

0.4611

CIRCES Cost Estimating Software

Return Route:

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:	1.00	(CAT HB)
Job Efficiency:	0.83	(1 shift/day)
Net Correction:	0.83	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

Fleet size:	4	Loader(s)	Total job time:	246.16	Hours
Unit cost:	\$0.726	/LCY	Total job cost:	\$138,571.00	

Page 1 of 2

BULLDOZER WORK

0-03c
D-03c

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	

Fleet size:	l Dozer(s)	
Unit cost:	\$0.188/LCY	

Total job time:	18.74 Hours
Total job cost:	\$3,745.95

REVEGETATION WORK

Fask description:	Reveg. shoreline					
River Valley Resource	e Permit Action: AM2 Permit/Job#:				: M2001090	
PROJECT IDENTIFI	CATION					
Task #: 05A	State: Co	olorado			Abbreviation:	None
Date: 7/5/2012		outt			Filename:	M090-05a
User: DMC						
Agency or organi	ization name: DRMS					
<u>TERTILIZING</u>						
Iaterials		Units /				
Description		Acre	Unit	Co	st / Unit	Cost /Acre
Description		Acre	Unit			
				\$		\$
		Το	tal Fertilize	r Materia	ls Cost/Acre	\$0.00
pplication						
D						Cost /Acre
Description						Cost/Acre
						\$
		Total	Fertilizer A	Applicatio	on Cost/Acre	\$0.00
Description						Cost /Acre
Chisel plowing {DMG}						\$86.71
Weed control spraying (I	MEANS 31 31 16 13 31	00)				\$145.20
weed control spraying (MEA145 51 51 10.15 51	00)				
			Т	otal Tillii	ng Cost/Acre	\$231.91
SEEDING						
Seed Mix				Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Alkali Sacaton				1.00	39.03	\$22.33
Meadow Sedge				1.00	41.69	\$147.50
Slender Wheatgrass - Na	itive			3.00	10.95	\$6.60
Red Top				1.00	114.55	\$6.00
Reedgrass, Canadian (or				0.50	51.42	\$99.41
Reedgrass, Northern - N	ative			0.50	51.42	\$67.50
Saltgrass, Inland				1.00	13.86	\$46.00
Timothy, Alpine - Native				1.00	29.84	\$26.50
Basin Wildrye - Trailhea	ıd			1.50	6.10	\$9.62

Application

\$431.45

10.50

Totals Seed Mix

358.87

Description		Cost /Acre
Drill seeding {DMG}		\$90.11
	Total Seed Application Cost/Acre	\$90.11

MULCHING and MISCELLANEOUS

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$164.00	\$328.00

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
					\$
		Tot	als Nursery Stoc	ek Cost / Acre	\$0.00

	No. of Acres: ed Failure Rate: ng Work Items:	 Cost /Acre: Cost /Acr <u>e*:</u> G, MULCHING	
Initial Job Cost:	\$8,719.94		
Reseeding Job Cost:	\$2,179.98		
Total Job Cost:	\$10,899.92		
Job Hours:	8.00		

REVEGETATION WORK

Task description:	Reveg. Hay Meado	WS			
River Valley Resource Permit Action: AM2 Permit/Job#					
PROJECT IDENTIFIC	CATION				
Task #: 05B Date: 7/5/2012		Colorado Routt		Abbreviation: Filename:	None M090-05b
User: DMC	County	County: Routt Filename:			
Agency or organi	zation name: DRM	IS			
FERTILIZING					
Aaterials		T T •4 /			
Description		Units / Acre	Unit	Cost / Unit	Cost /Acre
				\$	\$
		Tot	al Fertilizer	Materials Cost/Acre	\$0.00
Application					
Description					Cost /Acre
					\$
		Total	Fertilizer A	pplication Cost/Acre	\$0.00
				1	
<u>FILLING</u>					
Description					Cost /Acre
Chisel plowing {DMG}					\$86.71
Weed control spraying (M	MEANS 31 31 16.13 3	3100)			\$145.20
			Т	otal Tilling Cost/Acre	\$231.91

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Orchardgrass - Paiute	3.50	43.39	\$7.39
Smooth Brome - Lincoln	2.50	8.32	\$3.25
Timothy, Alpine - Native	4.00	119.38	\$106.00
Totals Seed Mix	10.00	171.09	\$116.64

Application

Description	Cost /Acre
Drill seeding {DMG}	\$90.11
Total Seed Application Cost/Acr	e \$90.11

MULCHING and MISCELLANEOUS

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$164.00	\$328.00

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
		Total	s Nursery Stoc	ek Cost / Acre	\$255.78

	No. of Acres:	25.2	Cost /Acre:		
Estimate	ed Failure Rate:	25%	Cost /Acre*:	\$1,088.33	
*Selected Replanti	ng Work Items:	TILLING, SEEDIN	IG, NURSERY,		
•		MULCHING			
Initial Job Cost:	\$27,425.92				
Reseeding Job Cost:	\$6,856.48				
Total Job Cost:	\$34,282.40				
Job Hours:	25.00				

EQUIPMENT MOBILIZATION/DEMOBILIZATION

River Valley R		bilize reclamation Permit A	Action: AM2		Pe	rmit/Job#:	M200	1090
PROJECT IDE	NTIFICAT	ION						
Task #: 06A	L	State: Co	olorado		Abbr	eviation:	None	
Date: 7/5/	2012	County: Ro	outt			ilename:	M090-0)6a
User: DM						-		
Agency	or organization	n name: DRMS						
EQUIPMENT	TRANSPOR	<u>RT RIG COST</u>						
					Shift ba	isis: 1	per day	
					Cost Data Sou	rce: C	RG Data	L
I ruc.	k Tractor Desc	ription: GENI	ERIC ON-HIGH				DIESEL F	OWERED,
					(2ND HALF,			
Truc	k Trailer Desc	ription: GENE	RIC FOLDING				JIPMEN	T TRAILER
				(25T	, 50T, AND 10	(T0		
0.0								
Cost Breakdown:								
Available Rig Ca	pacities	0-25 Tons	26-50 Tons	51-	+ Tons			
	Cost/Hour:	\$16.63	\$18.37		22.33			
	Cost/Hour:	\$44.38	\$46.13		50.07			
	Cost/Hour:	\$27.66	\$27.66		27.66			
	Cost/Hour:	\$0.00	\$25.39		25.39			
	t Cost/Hour:	\$88.67	\$117.55		25.45			
	COSUTIONI.	\$00.07	\$117.55	D	23.45			
NON ROADAI	<u>BLE EQUIP</u>	<u>MENT:</u>						
Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return 7	rin	DOT Permi
		Cost/hr/ unit			Haul Trip	Cost/hr/		Cost/ fleet
Description	Unit (TONS)	Cost/nr/ unit	Cost/hr/unit	Size	Cost/hr/		incer	Coav neet
	(TONS)		<u></u>		fleet			****
Cat D8T - 8U	48.33	\$58.56	\$117.55	1	\$176.11	\$117.55		\$250.00
	28.00	\$36.70	\$117.55	4	\$617.01	\$470.20		\$500.00
CAT 972H		\$7.66	\$88.67	4	\$385.30	\$354.68		\$250.00
	1.95							
CAT 972H Centrifugal pump -	25.00	\$39.59	\$88.67	1	\$128.26	\$88.67		\$250.00
CAT 972H Centrifugal pump - 200M, 10 in. Drill/Broadcast	25.00			1 Subtotals:	\$128.26 \$1,306.68	\$88.67		\$250.00 \$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, 1 T. Crew	\$25.30	1	\$25.30	\$25.30
		Subtotals:	\$25.30	\$25.30

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or To	wn within project area region:	STEAMBOAT SPRINGS	
-	Total one-way travel distance:	10.00	miles
	Average Travel Speed:	35.00	mph
	Roadable Mob/Demob Cost * two round trips with haul rig:	\$6,449.23	
	.oadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$14.46	

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 COST

Total job time:	3.14	Hours
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Total job cost: \$6,463.69