

1313 Sherman Street, Room 215 Denver, CO 80203

November 27, 2018

Jim Miner Builder's Aggregate, Inc. 510 Dahlia Street Fort Morgan, Colorado 80701

RE: Builder's Aggregate, M-1981-112 Technical Revision No. 1 (TR01), Adequacy Review No. 1

Dear Mr. Miner,

The Colorado Division of Reclamation, Mining, and Safety (DRMS or Division), received your response to the Division's adequacy review on November 19, 2018. The Division has reviewed the response and have identified several issues that will need to be addressed prior to the Division's approval of the application. The adequacy items identified in the Division's first review letter are listed below. If an item has been resolved, it is not included. If additional information or revisions are needed, they are discussed under each applicable item.

Exhibit C – Rule 6.4.3 – Pre-Mining and Mining Plan Map

- 2. Please provide a map or maps that meet the requirements of Rule 6.4.3 and 6.2.1(2).
 - a. Builder's Agg. Response: The premining map and mining map is provided here in.
 - b. **DRMS Response:** Please address the following issues with the map
 - i. Please clearly depict where the current 1.5 acre pond/dredge operation is situated and the direction the operation will move overtime.
 - ii. Please depict where the two acre stockpile area will be located.
 - iii. The map must be signed by the registered land surveyor, professional engineer or other qualified person who prepared it.

Exhibit D – Rule 6.4.4 - Mining Plan

- 5. Please provide the information required by Rule 6.4.4(f). This information can be either presented as a narrative or provided on the revised Exhibit C map discussed above.
 - **a. Builder's Agg. Response:** 4, 5 The affected land is going to be mined less than 180 days per year, so it will be an intermittent operation.
 - **b. DRMS Response:** The response to item number 5 of the adequacy review was not provided. A map (in Exhibit C Pre-mining and Mining Plan Maps(s) of Affected Lands, subsection 6.4.3 may be used along with a narrative to present the following information:



Tessara Water, Inc. Page 2 November 27, 2018

- **i.** Nature, depth and thickness of the deposit to be mined and the thickness and type of overburden to be removed.
- **ii.** Nature of the stratum immediately beneath the material to be mined in sedimentary deposits.

Rule 6.4.6 – Exhibit F – Reclamation Plan Map

- 7. Please address the following issues with the reclamation plan map:
 - a. The person who prepared the map must sign it.
 - b. Please depict the 25 foot buffer zone on the new reclamation plan map.

Rule 6.4.12 – Exhibit L – Reclamation Cost

8. The Division has conducted a reclamation cost estimate for the site based on the information you have provided. The cost estimate is enclosed for your review. Please let the Division know if you concur with the estimate. Once the technical revision is approved, the operator will have sixty days to post the additional bond.

The Division is required to issue a decision on the TR01 application on December 2, 2018. If you need additional time to address the adequacy review items noted above, please request an extension of the decision date. If you have any questions feel free to contact me at (303) 866-3567, extension 8120.

Sincerely,

youd Ebet

Jared Ebert Environmental Protection Specialist III

Enclosure: 1.) CIRCES Reclamation Cost Estimate, M-1981-112, TR02, November 27, 2018

EC: Tara Schutter, Tessara Water, Inc. <u>tara@tessarawater.com</u> Jim Miner, Builder's Agg. <u>jminer149@hotmail.com</u>

COST SUMMARY WORK

Т	ask description: Co	ost Summary				
Site:	Builders Aggr Pit	Permit Action:	TR01		Permit/Job	#: <u>M1981112</u>
<u>PI</u>	ROJECT IDENTIFICATTask #:000Date:11/27/2018User:JLE	ION State: Colorado County: Morgan		A	bbreviation: Filename:	None M112-000
	Agency or organizatio	n name: DRMS				
<u>T</u> A	ASK LIST (DIRECT CO	<u>STS)</u>				
Fask			Form	Fleet	Task	
	Description	A	Used	Size	Hours	Cost
01	Backfill and Grade Pond	Area	LOADER	2	82.26	\$16,105.00
02 03	Place Rip-rap Revegetation of buffer zon	20	DEMOLISH REVEGE	1	8.00	\$3,000.00 \$755.00
)03)04	Mobilization		MOBILIZE	1	0.85	\$1,196.00
			MODILIEL	*	0.02	φ1,170.00
			<u>SUBTO</u>	TALS:	92.11	\$21,056
	VERHEAD AND PROFIT: Liability insurance: Performance bond: Job superintendent: Profit:	2.02 1.05 0.00 10.00 CONTE	RACT AMOUNT		$Total = \frac{\$22}{Total} = \frac{\$02}{\$0}$ $Total = \frac{\$22}{\$0}$ $O \& P = \frac{\$22}{\$2}$	25.33 21.09 00 ,105.60 ,752.02 3,808.02
LE	GAL - ENGINEERING - PR	OJECT MANAGEMENT				
	Financial warranty process Engineering work and/or Reclamation management	contract/bid preparation:			Total = \$0.	0.00 00 190.40
		CONTINGENCY:	0.00		$Total = _\$0.$.00
			TOTAL IN	DIRECT	COST = $$4$,442.42
		TOTAL BON	ND AMOUNT (di	rect + in	direct) =\$2;	5,498.42
		Total Proposed	Liability an	iount :	= <u>\$2</u>	25,500.00

WHEEL LOADER - LOAD AND CARRY WORK

	Backfill and Grade Pond A	i ca		
Builders Aggr Pit	Permit Action	TR01	Permit/Jo	o#: <u>M1981112</u>
PROJECT IDENTIFICA	ATION			
Task #: 001	State: Colorado		Abbreviation:	None
Date: 11/27/2018	County: Morgan		Filename:	M112-001
User: JLE				
Agency or organiza	tion name: DRMS			
HOURLY EQUIPMENT	<u>COST</u>			
Basic Machine: CA	AT 950H	Hors	sepower:	197
	OPS Cab		•	ber day
		Data		CRG)
Cost Breakdown:				
20st Dicardown.		Utilization %		
Ownership Cost/Hou	ır: \$26.14	NA		
Operating Cost/Hou	ır: \$30.84	100		
Operator Cost/Hou		NA		
Total Unit Cost/Hou	ır: \$97.89			
Total Fleet Cost/Hor	ur: \$97.89			
MATERIAL QUANTITI	IFS			
Initial volume: 35,0				
·		Swell factor:	1.000	
Loose volume:	00 CCY 35,000 LCY	Swell factor:	1.000	
Loose volume:	35,000 LCY	Swell factor:		
Loose volume: Source of es	35,000 LCY	of Reclamation, Mini		
Loose volume: Source of es	35,000 LCY stimated volume: Division	of Reclamation, Mini		
Loose volume: Source of es	35,000LCYstimated volume:Divisionated swell factor:Cat Hand	of Reclamation, Mini		
Loose volume: Source of es Source of estima	35,000 LCY stimated volume: Division ated swell factor: Cat Han	of Reclamation, Mini dbook	ng & Safety	minutos
Loose volume: Source of es Source of estima	35,000 LCY stimated volume: Division ated swell factor: Cat Han	of Reclamation, Mini dbook Cycle Time (load, dur	ng & Safety	minutes
Loose volume: Source of es Source of estima HOURLY PRODUCTIO	35,000 LCY stimated volume: Division ated swell factor: Cat Han	of Reclamation, Mini dbook	ng & Safety np, 0.500	
Loose volume: Source of es Source of estima HOURLY PRODUCTIO Loader Cycle Time: Cycle Time Factors	35,000 LCY stimated volume: <u>Division</u> ated swell factor: <u>Cat Han</u> <u>N</u> Unadjusted Basic	of Reclamation, Mini dbook Cycle Time (load, dur maneuve	ng & Safety np, 0.500 er):	Source
Loose volume: Source of es Source of estima HOURLY PRODUCTIO Loader Cycle Time: Cycle Time Factors Material:	35,000 LCY stimated volume: Division ated swell factor: Cat Handree N Unadjusted Basic Bank or broken material 0	of Reclamation, Mini dbook Cycle Time (load, dur maneuve	ng & Safety np, 0.500	Source (Cat HB)
Loose volume: Source of es Source of estima HOURLY PRODUCTIO Loader Cycle Time: Cycle Time Factors	35,000 LCY stimated volume: <u>Division</u> ated swell factor: <u>Cat Han</u> <u>N</u> Unadjusted Basic	of Reclamation, Mini dbook Cycle Time (load, dur maneuve	ng & Safety np, 0.500 er): 0.500 Factor (min.) 0.040 0.020	Source (Cat HB) (Cat HB)
Loose volume: Source of est Source of estima HOURLY PRODUCTIO Loader Cycle Time: Cycle Time Factors Material: Stockpile:	35,000 LCY stimated volume: Division ated swell factor: Cat Han N Unadjusted Basic Bank or broken material 0 Dumped by truck 0.02	of Reclamation, Mini dbook Cycle Time (load, dur maneuve	ng & Safety np, 0.500 er): 0.500 Factor (min.) 0.040	Source (Cat HB)
Loose volume: Source of est Source of estima HOURLY PRODUCTIO Loader Cycle Time: Cycle Time Factors Material: Stockpile:	35,000 LCY stimated volume: Division ated swell factor: Cat Han N Unadjusted Basic Bank or broken material 0 Dumped by truck 0.02 Common ownership of tru 0.04 Constant operation -0.04 Duty	of Reclamation, Mini dbook Cycle Time (load, dur maneuve	ng & Safety np, 0.500 er): 0.500 Factor (min.) 0.040 0.020 -0.040 -0.040	Source (Cat HB) (Cat HB)
Loose volume: Source of est Source of estima HOURLY PRODUCTIO Loader Cycle Time: Cycle Time Factors Material: Stockpile: Truck Ownership:	35,000 LCY stimated volume: Division ated swell factor: Cat Han N Unadjusted Basic Bank or broken material 0 Dumped by truck 0.02 Common ownership of tru 0.04 Constant operation -0.04 Nominal target 0.00	of Reclamation, Mini dbook Cycle Time (load, dur maneuvo .04 cks and loaders -	ng & Safety np, 0.500 er): 0.500 Factor (min.) 0.040 0.020 -0.040 -0.040 0.000	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)
Loose volume: Source of est Source of estima HOURLY PRODUCTIO Loader Cycle Time: Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	35,000 LCY stimated volume: Division ated swell factor: Cat Han N Unadjusted Basic Bank or broken material 0 Dumped by truck 0.02 Common ownership of tru 0.04 Constant operation -0.04 Nominal target 0.00 Net Cyce Constant Cyce	of Reclamation, Mini dbook Cycle Time (load, dur maneuvo .04 cks and loaders -	ng & Safety np, 0.500 er): 0.500 Factor (min.) 0.040 0.020 -0.040 0.000 -0.020	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Loose volume: Source of est Source of estima HOURLY PRODUCTIO Loader Cycle Time: Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	35,000 LCY stimated volume: Division ated swell factor: Cat Han N Unadjusted Basic Bank or broken material 0 Dumped by truck 0.02 Common ownership of tru 0.04 Constant operation -0.04 Nominal target 0.00 Net Cyce Constant Cyce	of Reclamation, Mini dbook Cycle Time (load, dur maneuvo .04 cks and loaders -	ng & Safety np, 0.500 er): 0.500 Factor (min.) 0.040 0.020 -0.040 -0.040 0.000	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)
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Loose volume: Source of estima Source of estima HOURLY PRODUCTIO Loader Cycle Time: Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Rolling Resistance – Road Co	35,000 LCY stimated volume: Division ated swell factor: Cat Han N Unadjusted Basic Bank or broken material 0 Dumped by truck 0.02 Common ownership of tru 0.04 Constant operation -0.04 Nominal target 0.00 Net Cyc Adjusted	of Reclamation, Mini dbook Cycle Time (load, dur maneuvo .04 cks and loaders -	ng & Safety np, 0.500 er): 0.500 Factor (min.) 0.040 0.020 -0.040 0.000 -0.020	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Loose volume: Source of estima Source of estima HOURLY PRODUCTIO Loader Cycle Time: Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Rolling Resistance – Road Cor Haul:	35,000 LCY stimated volume: Division ated swell factor: Cat Han N Unadjusted Basic Bank or broken material 0 Dumped by truck 0.02 Common ownership of tru 0.04 Constant operation -0.04 Net Cyc Adjusted Adjusted Data target 0.00 Net Cyc Adjusted Data target 0.00	of Reclamation, Mini dbook Cycle Time (load, dur maneuvo .04 cks and loaders -	ng & Safety np, 0.500 er): 0.500 Factor (min.) 0.040 0.020 -0.040 0.000 -0.020	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Loose volume: Source of estima HOURLY PRODUCTIO Loader Cycle Time: Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Rolling Resistance – Road Constant Haul: Return:	35,000 LCY stimated volume: Division ated swell factor: Cat Han N Unadjusted Basic Bank or broken material 0 Dumped by truck 0.02 Common ownership of tru 0.04 Constant operation -0.04 Nominal target 0.00 Net Cyc Adjusted	of Reclamation, Mini dbook Cycle Time (load, dur maneuvo .04 cks and loaders -	ng & Safety np, 0.500 er): 0.500 Factor (min.) 0.040 0.020 -0.040 0.000 -0.020	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
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Loader Worksheet C	Cont'd	Т	°ask # 001			Page 3 of 8
Haul Route	200	0.00	10.00	10.00	0.2699	(Cat HB)
Return Route	200	0.00	10.00	10.00	0.2315	(Cat HB)
			Total Tra	vel Time:	0.5014	minutes
				vcle Time:	0.9814	minutes
Load Dualtat Canaaity						
Load Bucket Capacity						
Rated Capaci			(heaped)	1000() 0.00		
Bucket Fill Facto			and gravel (95%	- 100%) 0.9	/5	
Adjusted Capaci	ty: 4.19	LCY				
Job Condition Correction Fac Site Altitude: <u>4260</u> feet	<u>etors</u>					
		So	urce			
Altitude Adj:	1.00	(CAT	Г HB)			
Job Efficiency:	0.83	(1 shi	ft/day)			
Net Correction:	0.83	multip	olier			
	Unadjusted Hour	ly Unit Product	ion: 256.	31 L	.CY/Hour	
	•	ly Unit Product			.CY/Hour	
	Adjusted Hourl	•		74 L	.CY/Hour	
JOB TIME AND COST						
Fleet size:	1 Loade	er(s)	Total joł	time:	164.52	Hours

Unit cost: _____\$0.460 /LCY

Total job cost: \$16,105

Task # 001

DEMOLITION WORK

Та	sk description:	Place Ri	ip-rap					
Site: B	Builders Aggr Pit	;	Permit Action:	FR01		Permit	/Job#: <u>M1981112</u>	
ROJEC'	T IDENTIFICA	ATION						
Task #: Date: User:	002 11/27/2018 JLE	Sta			Ab	breviation: Filename:	None M112-002	
<u>IT COS</u>		ganization name	: DRMS		L	ocation adj	ustment: 100 %	
NIT COS	STS Structure or Item	Dimensions	DRMS Demolition Menu Selection	Quantity	<u>L</u> Unit	<u>ocation adj</u> u Unit Cost	ustment: 100 % Total Cost	
F	STS Structure or		Demolition Menu	Quantity 1.00		Unit		

REVEGETATION WORK

Task description:		Revegetation of buffer zone						
Site:	Site: Builders Aggr Pit		Permit Action:		TR01	Permit/Job#: M1981		#: <u>M1981112</u>
Pl	ROJECT I	DENTIFIC	ATION					
		003	State:	Colorado		A	bbreviation:	None
	Date:	11/27/2018	County:	Morgan			Filename:	M112-003
	User:	JLE						
	Ager	ncy or organiz	zation name: DR	MS				

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}		\$92.77
Weed control spraying (MEANS 31 31 16.13 3100)		\$193.60
	Total Tilling Cost/Acre	\$286.37

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Blue Grama - Hachita	0.40	6.53	\$6.66
Switchgrass - Blackwell	0.40	3.57	\$3.92
Sideoats Grama - El Reno	1.80	5.91	\$17.82
Western Wheatgrass - Arriba	9.60	24.24	\$79.49
Totals Seed Mix	12.20	40.25	\$107.90

Application

Description		Cost /Acre
Broadcast seeding [DMG]		\$267.22
	Total Seed Application Cost/Acre	\$267.22

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description		Cost /Acre
		\$
	Total Mulch Application Cost/Acre	\$0.00

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:	1	Cost /Acre:	\$661.49
Estimated Failure Rate:	25%	Cost /Acre*:	\$375.12
*Selected Replanting Work Items:	SEEDING		

Initial Job Cost:	\$661.49
Reseeding Job Cost:	\$93.78
Total Job Cost:	\$755
Job Hours:	1.00

Loader Worksheet Cont'd

Task # 001

Page 7 of 8

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Та : _	Builders A	aggr Pit	Permit	Action: TR01			Permit/Job	#: <u>M</u>	1981112
PR	ROJECT I	DENTIFICATI	ON						
	Date:	004 11/27/2018		olorado organ				None M112	-004
	_	JLE	DDMS						
	Agen	cy or organization	n name: DRMS						
EQ	UIPMEN	T TRANSPOR	T RIG COST						
					C	Shift ba Cost Data Sour		per da RG Da	
	T	ruck Tractor Desc	ription: GENE	RIC ON-HIGHV	NAY TRU	CK TRACTO	DR, 6X4, D	IESEL	POWERED,
					400 HP	(2ND HALF,	2006)		
		ruck Trailer Desc	ription: G	ENERIC FOLD	ING GOO	,	ROP DECK	EQU	IPMENT
			ription: G		ING GOO		ROP DECK	EQU	IPMENT
Cos		ruck Trailer Desc	ription: G		ING GOO	SENECK, DR	ROP DECK	EQU	IPMENT
	T st Breakdow vailable Ri	ruck Trailer Desc vn: i g Capacities	ription: G		ING GOO TRAILER (51+	SENECK, DR (25T, 50T, AN	ROP DECK	EQU	IPMENT
	T st Breakdow vailable Ri Owner	Fruck Trailer Desc vn: g Capacities ship Cost/Hour:	0-25 Tons \$16.63	T 26-50 Tons \$18.37	ING GOO 'RAILER (51+ \$2	SENECK, DR (25T, 50T, AN Tons 2.33	ROP DECK	EQU	IPMENT
	T <u>st Breakdow</u> vailable Ri Owner Opera	Yruck Trailer Desc vn: g Capacities ship Cost/Hour: tting Cost/Hour:	0-25 Tons \$16.63 \$44.38	T 26-50 Tons \$18.37 \$46.13	ING GOO TRAILER (51+ \$2 \$5	SENECK, DR 25T, 50T, AN Tons 2.33 0.07	ROP DECK	EQU	IPMENT
	T st Breakdow vailable Ri Owner Opera Oper	Yruck Trailer Desc vn: g Capacities ship Cost/Hour: ting Cost/Hour: rator Cost/Hour:	0-25 Tons \$16.63 \$44.38 \$27.66	T 26-50 Tons \$18.37 \$46.13 \$27.66	ING GOO 'RAILER (51+ \$2 \$5 \$2	SENECK, DR (25T, 50T, AN Tons 2.33 0.07 7.66	ROP DECK	EQU	IPMENT
	T st Breakdow wailable Ri Owner Opera Oper Oper He	Yruck Trailer Desc <u>vn:</u> ig Capacities ship Cost/Hour: tting Cost/Hour: 'ator Cost/Hour: elper Cost/Hour:	0-25 Tons \$16.63 \$44.38 \$27.66 \$0.00	T 26-50 Tons \$18.37 \$46.13 \$27.66 \$25.39	ING GOO 'RAILER (51+ \$2 \$5 \$2 \$2 \$2	SENECK, DR (25T, 50T, AN Tons 2.33 0.07 7.66 5.39	ROP DECK	EQU	IPMENT
	T st Breakdow wailable Ri Owner Opera Oper Oper He	Yruck Trailer Desc vn: g Capacities ship Cost/Hour: ting Cost/Hour: rator Cost/Hour:	0-25 Tons \$16.63 \$44.38 \$27.66	T 26-50 Tons \$18.37 \$46.13 \$27.66	ING GOO 'RAILER (51+ \$2 \$5 \$2 \$2 \$2	SENECK, DR (25T, 50T, AN Tons 2.33 0.07 7.66	ROP DECK	EQU	IPMENT
A	t Breakdow vailable Ri Owner Opera Oper He Total	Yruck Trailer Desc <u>vn:</u> ig Capacities ship Cost/Hour: tting Cost/Hour: 'ator Cost/Hour: elper Cost/Hour:	0-25 Tons \$16.63 \$44.38 \$27.66 \$0.00 \$88.67	T 26-50 Tons \$18.37 \$46.13 \$27.66 \$25.39	ING GOO 'RAILER (51+ \$2 \$5 \$2 \$2 \$2	SENECK, DR (25T, 50T, AN Tons 2.33 0.07 7.66 5.39	ROP DECK	EQU	IPMENT
A	t Breakdow vailable Ri Owner Opera Oper He Total	Yruck Trailer Desc <u>vn:</u> <u>g Capacities</u> ship Cost/Hour: ting Cost/Hour: ator Cost/Hour: elper Cost/Hour: Unit Cost/Hour: <u>ABLE EQUIPI</u>	0-25 Tons \$16.63 \$44.38 \$27.66 \$0.00 \$88.67 MENT:	T 26-50 Tons \$18.37 \$46.13 \$27.66 \$25.39 \$117.55	ING GOO TRAILER (51+ \$2 \$5 \$2 \$2 \$1	SENECK, DR (25T, 50T, AN 2.33 0.07 7.66 5.39 25.45	OP DECK ND 100T)	rip	IPMENT DOT Permit
A	st Breakdow vailable Ri Owner Opera Oper He Total	Fruck Trailer Desc vn: g Capacities ship Cost/Hour: ting Cost/Hour: cator Cost/Hour: elper Cost/Hour: Unit Cost/Hour: ABLE EQUIPM Weight/ Unit	0-25 Tons \$16.63 \$44.38 \$27.66 \$0.00 \$88.67	T 26-50 Tons \$18.37 \$46.13 \$27.66 \$25.39	ING GOO 'RAILER (51+ \$2 \$5 \$2 \$2 \$2	SENECK, DR (25T, 50T, AN Tons 2.33 0.07 7.66 5.39	OP DECK ND 100T)	rip	
A NO M D	st Breakdow vailable Ri Owner Opera Oper He Total DN ROAD fachine	Yruck Trailer Desc <u>vn:</u> <u>g Capacities</u> ship Cost/Hour: ting Cost/Hour: elper Cost/Hour: Unit Cost/Hour: <u>ABLE EQUIP</u> Weight/	0-25 Tons \$16.63 \$44.38 \$27.66 \$0.00 \$88.67 MENT: Owner ship	T 26-50 Tons \$18.37 \$46.13 \$27.66 \$25.39 \$117.55 Haul Rig	ING GOO 'RAILER (51+ \$2 \$5 \$2 \$2 \$12 Fleet	SENECK, DR (25T, 50T, AN Tons 2.33 0.07 7.66 5.39 25.45 Haul Trip Cost/hr/	OP DECK ND 100T)	rip	DOT Permit
A NO M D	st Breakdow wailable Ri Owner Opera Oper He Total DN ROAD fachine Description	Truck Trailer Desc vn: g Capacities ship Cost/Hour: ting Cost/Hour: ator Cost/Hour: Unit Cost/Hour: Unit Cost/Hour: ABLE EQUIPI Weight/ Unit (TONS)	0-25 Tons \$16.63 \$44.38 \$27.66 \$0.00 \$88.67 MENT: Owner ship Cost/hr/ unit	T 26-50 Tons \$18.37 \$46.13 \$27.66 \$25.39 \$117.55 Haul Rig Cost/hr/unit \$88.67	ING GOO 'RAILER (51+ \$2 \$5 \$2 \$2 \$1 Fleet Size	SENECK, DR (25T, 50T, AN 7005 2.33 0.07 7.66 5.39 25.45 Haul Trip Cost/hr/ fleet	Return T Cost/hr/ 1	rip fleet	DOT Permit Cost/ fleet

ROADABLE EQUIPMENT:

Machine Description Light Duty Pickup, 4x4, 3/4 T.	Total Cost/hr/ unit \$40.03	Fleet Size	Haul Trip Cost/hr/ fleet \$40.03	Return Trip Cost/hr/ fleet \$40.03
		Subtotals:	\$40.03	\$40.03

Task # 001

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: Total one-way travel distance: Average Travel Speed:	FORT MORGAN 2.00 45.00	miles mph
Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig:	\$1,192.32	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$3.56	

Transportation Cycle Time:

Non- Roadable Equipment	Roadable Equipment
0.04	0.04
0.04	0.04
0.17	NA
0.17	NA
0.43	0.09
	Roadable Equipment 0.04 0.04 0.17 0.17

JOB TIME AND COST

Total job time: **0.86** Hours

Total job cost: ______\$1,196