

June 10, 2024

Owen Robertson Twin Buttes Land Co., LLC PO Box 190 Rangely, CO 81648

Re: Wagner Pit, File No. M-2023-038, Construction Material Limited Impact (110) Reclamation Permit, Adequacy Review #2

Dear Robertson:

Adequacy responses were received on Monday, June 03, 2024, for the Construction Material Limited Impact (110) Reclamation Permit Application package for the Wagner Pit, File No. M-2023-038. The Division of Reclamation, Mining and Safety has reviewed the materials submitted and the following items remain.

- 2. Please state the current bench configuration. What is the anticipated benching configuration moving forward? Rule 6.3.3(f) A line item for grading has been provided under exhibit L, however the Division is unclear what is being grade (how much of what and where) if highwalls are to be left in place. Is any grading associated with contouring? Please provide more information.
- 5. Table C-1 proposed a temporary seed mix for salvaged topsoil. Please include two additional grasses (needle and thread, bottlebrush squirreltail, Indian ricegrass, etc.). Additionally, the Division request that yellow sweet clover be omitted given its tendency to be invasive. Alfalfa is a suitable alternative.
 - If sufficient seed stock of sweet clover is already present in the soil, not additional seeding is required.
 - No additional grass species were provided as requested. Please include at least two additional grass species in the temporary seed mix. If possible please use native species.
- 12. Pursuant to Rule 1.6.2(1)(g) please provide proof of publication (d) and proof of all required notice(s). Close of comment period on the newspaper publication was incorrect. Notice of publication error was sent on June 4, 2024. Please note that the decision due date must be extended to allows for the comment period to close prior to a decision.

A draft reclamation cost estimate is attached. This is the worst case scenario for the site. Please provide comments or feedback with adequacy responses.



Please submit your response(s) to the above listed issue(s) by Friday, June 14, 2024 in order to allow the Division sufficient time for review. The decision date for your application is scheduled for June 16, 2024. If you require additional time, please file a written request for an extension.

If you require additional information or have questions or concerns, please don't hesitate to contact me at amy.yeldell@state.co.us or 970-210-1272.

Sincerely,

Amy Yeldell

Environmental Protection Specialist

Cc: Travis Marshall, Senior EPS, Grand Junction DRMS



Re: Wagner Pit, File No. M-2023-038, Construction Material Limited Impact (110) Reclamation Permit, Preliminary Reclamation Cost Estimate

General Assumptions:

- 9.74 ac permit
- General agriculture pre/post mine use. Existing roads no improvement and to be left in place, 1.12ac roads of roads to remain.
- 1.2 ac of potentially mined highwall will remain as is and not to be reclaimed
- Min 4" topsoil to be applied site wide* to areas being reclaimed
- 2 different seed mixes, broadcast seed, no nursery or mulch

Task	Form Used	Description
01a	Dozer	Misc. grading of stockpiles, access roads, general contouring 8582 CY with 100 ft push (0.54 ac @ 8ft = 6,969 CY + 1ac @ 12" = 1,613 CY)
02a	Ripper	Decompact stockpile area 4.38 2.74 ac + 1.64 ac = 4.38
03a	Dozer	Apply topsoil 7.34 ac @ 4" = 3,947 CY (9.74 ac - 1.2 ac highwall bench - 1.2 ac roads = 7.34ac)
04a	Reveg	Reveg Mix 1 : 5.92 ac (1.64 ac area A + 2.26 ac area B-1 + 0.48 ac area C + 2.74 ac area D – 1.2 ac roads = 5.92 ac)
04b	Reveg	Reveg Mix 2: 1.42 ac (2.62 ac area B-2 -1.2 ac of highwall = 1.42ac)
10a	Mob	Initial Mobilization
10b	Mob	Secondary Failure Seeding Mobilization



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	ask description: Permit application				
te: _	Wagner Pit Permit	Action: App		Permit/Job	#: <u>M2023038</u>
PR	ROJECT IDENTIFICATION				
	Task #: ACY State: Co	lorado	1	Abbreviation:	None
	Date: 6/10/2024 County: Ri	o Blanco		Filename:	M038-ACY
	User: ACY				
	Agency or organization name: DRMS				
<u>TA</u>	ASK LIST (DIRECT COSTS)				
ask		Form	Fleet	Task	
	Description	Used	Size	Hours	Cost
a	Misc grading	DOZER	1	29.70	\$12,668
l	Decompact stockpile areas	RIPPER	1	6.69	\$2,998
ι	Apply topsoil	DOZER	1	14.17	\$6,044
ì	Reveg Mix 1	REVEGE	1	9.00	\$6,368
b	Reveg Mix 2	REVEGE	1	3.00	\$1,526
a	Initial Mobilization	MOBILIZE	1	7.20	\$4,398
	Cocondom: Mobilization	MOBILIZE	1	7.20	\$1,339
	Secondary Mobilization				
	Secondary Mobilization	CUDTO	TATC.	76.96	\$35.341
	Secondary Mobilization	SUBTO	TALS:	76.96	\$35,341
)b	Secondary Mobilization	SUBTO	TALS:	76.96	\$35,341
)b		SUBTO	TALS:	76.96	\$35,341
lb	DIRECT COSTS	SUBTO	TALS:	76.96	\$35,341
<u>IN</u> 1		SUBTO	TALS:	76.96	\$35,341
<u>IN</u> 1	DIRECT COSTS	SUBTO	TALS:	76.96 Total = \$7	

Job superintendent: 16.00 Profit: 10.00 Total = \$3,534

TOTAL O & P = \$5,660

CONTRACT AMOUNT (direct + O & P) = $\sqrt{\$41,001}$

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$500 Total = \$500 Engineering work and/or contract/bid preparation: 4.25 Total = \$1,743 Reclamation management and/or administration: 5.00 \$2,050

> CONTINGENCY: 3.00 Total = \$1,060

> > TOTAL INDIRECT COST = \$11,013

TOTAL BOND AMOUNT (direct + indirect) = \$46,354

BULLDOZER WORK

Task description:	Misc gra	ding			
: Wagner Pit		Permit Action:	App	Permit/Job#:	M2023038
PROJECT IDEN	TIFICATION				
Task #: 01A		State: Colorado		Abbreviation:	None
Date: 6/10/2	2024	County: Rio Blanco)	Filename:	M038-01a
User: ACY				_	
Agency or	organization nam	ne: DRMS			
HOURLY EQUI	PMENT COST	1 -			
Basic Machine:	Cat D8T - 8SU		<u> </u>		
Horsepower:	310		_		
Blade Type:	Semi-Universal		_		
Attachment:	NA		_		
Shift Basis:	1 per day		_		
Data Source:	(CRG)		_		
Cost Breakdown:					
			<u>Utilization %</u>		
Ownership Cost/H		\$241.38	NA		
Operating Cost/H		\$143.92	100		
Ripper own. Cost/H		\$0.00	NA		
Ripper op. Cost/H		\$0.00	0		
Operator Cost/H	our:	\$41.30	NA		
MATERIAL QU Initial Volume: Swell factor:	8,582 1.165				
Loose volume:	9,998 LCY				
Source of estimated Source of estimated	swell factor:	Division of Reclamatic Cat Handbook	on, Mining & Safety		
HOURLY PROD	<u>OUCTION</u>				
Average push distant) feet			
Unadjusted hourly p		2.6 LCY/hr	ila 1 0		
Materials consistence		Consolidated stockp	ліс 1.U		
Average push gradic Average site altitude		:			
Material weight:	2,900 lbs/	LCY		_	
Weight description:	Decompo	sed rock - 50% Rock,	50% Earth		
Job Condition Corre	ection Factor		Source		
	rator Skill:	0.750	(AVG.)		
Material co		1.000	(CAT HB)		
Dozir	ng method:	1.000	(GEN.)		
	Visibility:	1.000	(AVG.)		

Page 2 of 2

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.793	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3949

Adjusted unit production: 336.69 LCY/hr
Adjusted fleet production: 336.69 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$1.267/LCY

Total job time: 29.70 Hours
Total job cost: \$12,668

BULLDOZER RIPPING WORK

	Task description:	Dec	ompact stockpile areas					
Site	: Wagner Pit		Permit Action:	App	I	Permit/Job#	: <u>M20230</u>	38
	PROJECT IDE	ENTIFICATI	<u>ION</u>					
	Task #: 02A	A	State: Colorado		Abl	breviation:	None	
		0/2024	County: Rio Blanco			Filename:	M038-02	a
	User: AC							<u></u>
	Agency	or organization	n name: DRMS					
	HOURLY EQU	UIPMENT C	OST					
			A DOT OCH		Horsepower:		310	
		achment: 3-5		<u> </u>	Shift Basis:		per day	
	Tupper 11w			<u>—</u> .	Data Source:		CRG)	
	Cost Breakdown:							
					Utilization %			
			Cost/Hour:	\$241.38	NA	<u> </u>		
		Operating C		\$143.92	100	_		
		er Ownership C		\$14.11	NA	<u> </u>		
	Ripp	er Operating C		\$7.45	100	_		
		Operator C		\$41.30	NA	_		
		Total Unit C	Cost/Hour:	\$448.16				
		Total Fleet C	Cost/Hour: \$448	.16				
	MATERIAL Q	UANTITIES	Selection Selection	cted estimating	method: Are	ea		
	Alternate Method	<u>s:</u>						
Seismic:	NA		Bank Volume:	NA	BCY		NA	
Area:	4.38	acres		2.00	Volume:	14,133		BCY or CCY
		Source of esti	mated quantity: Areas A	and D				
	HOURLY PRO			2				
		DUCTION						
	Seismic:		G :	NYA	6 . /	1		
			Seismic Velocity:	NA	feet/se	cond		
	Area:							
			ge Ripping Depth:	2.56	feet/pa			
			ge Ripping Width:	7.08	feet/pa			
		_	e Ripping Length:	250.00	feet/pa			
			rage Dozer Speed:e Maneuver Time:	88.00 0.25	feet/mi			
		-	ction per unit area:	0.23	acres/h	-		
	Job Condition Co			0.707	dcres/1	loui		
				0.700				
	Un	adjusted Hourl	y Unit Production:	0.789	Acres/	nr		
			Site Altitude:	6,300	feet	IID)		
			Altitude Adj:	1.00 0.83	(CAT)			
			Job Efficiency: Net Correction:	0.83	(1 shift multip			
						Hei		
			Hourly Unit Production: Hourly Fleet Production:	0.65 0.65	Acres/hr Acres/hr			
	IOR TIME AN	v	Trouty Treet Froduction.	0.00	7 10105/111			
	JOB TIME AN	1 COSI	Contract	TD 1 . 1 . 1		((0	**	
	Fleet size:	1	_ Grader(s)	Total job time	e:	6.69	Но	urs
	Unit cost:	\$684.549	Per acre	Total job cos	st:	\$2,998		

BULLDOZER WORK

Task description:	Apply	topsoil				
: Wagner Pit		Pern	nit Action:	App	Permit/Job#:	M2023038
PROJECT IDEN	TIFICATIO	<u>N</u>				
Task #: 03A		State:	Colorado		Abbreviation:	None
Date: $\frac{-6/10/2}{6}$	2024	County:	Rio Blanco)	Filename:	M038-03a
User: ACY		_		<u>-</u>		
Agency or	organization n	ame: DR	MS			
HOURLY EQUI	PMENT COS	ST				
Basic Machine:	Cat D8T - 8S	<u>_</u>				
Horsepower:	310			<u> </u>		
Blade Type:	Semi-Univer	sal				
Attachment:	NA			<u> </u>		
Shift Basis:	1 per day			<u> </u>		
Data Source:	(CRG)			_		
Cost Breakdown:						
				<u>Utilization %</u>		
Ownership Cost/H			\$241.38	NA		
Operating Cost/H			\$143.92	100		
Ripper own. Cost/H	our:		\$0.00	NA		
Ripper op. Cost/H	our:		\$0.00	0		
Operator Cost/H	our:		\$41.30	NA		
MATERIAL QU Initial Volume: Swell factor:	3,947 1.125		_			
Loose volume:	4,440 LCY					
Source of estimated Source of estimated		Division of Cat Handb		on, Mining & Safety		
HOURLY PROD	<u>UCTION</u>					
Average push distar Unadjusted hourly p		150 feet 534.3 LCY/I	nr			
Materials consistence	ey description:	Partly co	onsolidated	stockpile 1.1		
Average push gradic Average site altitude		eet	<u></u>			
Material weight:	2,550 11	bs/LCY				
Weight description:	Earth -	Dry packed				
Job Condition Corre				Source		
	rator Skill:		750	(AVG.)		
Material co			.00	(CAT HB)		
Dozir	ng method:		000	(GEN.)		
	Visibility:	1.0	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:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4941

Adjusted unit production: 313.41 LCY/hr
Adjusted fleet production: 313.41 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$1.361/LCY

Total job time: 14.17 Hours
Total job cost: \$6,044

REVEGETATION WORK

Task description:	Reveg Mix 1					
Wagner Pit	Permit Action: App Permit/Job#:			: <u>M2023038</u>		
PROJECT IDENTIFICA	TION					
Task #: 04A	State: Color	rado		Ab	breviation:	None
Date: 6/10/2024	County: Rio B	Blanco			Filename:	M038-04a
User: ACY Agency or organiza	tion name: DRMS					
<u>FERTILIZING</u>						
Materials		Units /				
Description		Acre	Unit	Cos	t / Unit	Cost /Acre
				\$		\$
				Tot	al Fertilizer Materials Cost/Acre	\$0.00
Application Description						Cost /Acre
						\$
		Total	Fertilizer	Applicatio	n Cost/Acre	\$0.00
<u> FILLING</u>						
Description						Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 61	00)				\$112.82
			7	Total Tillin	g Cost/Acre	\$112.82
SEEDING						
Seed Mix				Rate – PLS	Seeds	Cost /Acre
				LBS / Acre	per SQ. FT	
Orchardgrass - Paiute				8.00	99.17	\$32.60

Russian Wildrye - Bozoisky

Intermediate Wheatgrass - Rush

Burnett, Small (or Little) - Delar

Yellow Sweet Clover - Madrid

Saltbush, Four Wing

Siberian Wheatgrass

Kochia, Forage (Prostrate)

\$51.84

\$33.60

\$15.00

\$4.24

\$37.50

\$68.70

\$26.93

\$270.40

8.00

12.00

6.00

1.50

3.00

12.00

3.00

32.14

25.62

7.58

8.95

4.13

30.30

421.35

629.25

\$267.22

	Totals Seed Mix	53.50	
pplication			
Description			Cost /Acre
Prophaget gooding [DMC]			\$267.22

Total Seed Application Cost/Acre

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$4.01	\$4.01
Total Mulch Materials Cost/Acre				\$4.01

Application

Description		Cost /Acre
Weed spray, truck, non-aquatic area, nox. [DMG]		\$62.72
	Total Mulch Application Cost/Acre	\$62.72

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
	\$0.00				

JOB TIME AND COST

 No. of Acres:
 5.92
 Cost /Acre:
 \$717.17

 Estimated Failure Rate:
 50%
 Cost /Acre*:
 \$717.17

*Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: \$4,245.65

Reseeding Job Cost: \$2,122.82

Total Job Cost: \$6,368

Job Hours: 9.00

REVEGETATION WORK

T	ask description:	Reveg Mix 2					
-	Wagner Pit	Permit A	Action: App			Permit/Job#	: <u>M2023038</u>
PR	ROJECT IDENTIFIC	CATION					
	Task #: 04B	State: Col	orado		Abl	breviation:	None
	Date: 6/10/2024	County: Rio	Blanco			Filename:	M038-04b
	User: ACY						
	Agency or organi	zation name: DRMS					
F	ERTILIZING						
	nterials						
	Description		Units / Acre	Unit	Cos	t / Unit	Cost /Acre
					\$		\$
					Tot	al Fertilizer	
					100	Materials	
						Cost/Acre	\$0.00
	plication Description						Cost /Acre
							\$
			Tota	Fertilizer	Application	n Cost/Acre	\$0.00
Ί	LLING						
	Description						Cost /Acre
		(MEANS 32 91 13.23 6	5100)				\$112.82
				7	Total Tillin	g Cost/Acre	\$112.82
SE	EEDING			7	Total Tillin	g Cost/Acre	\$112.82
 	EEDING			7			
Γ	CEDING Seed Mix			7	Rate – PLS	Seeds	\$112.82 Cost /Acre
					Rate –		

Application

Yellow Sweet Clover - Madrid

Saltbush, Four Wing

Siberian Wheatgrass

Kochia, Forage (Prostrate)

Thickspike Wheatgrass - Critana

\$4.24

\$82.50

\$50.00

\$17.18

\$26.93

\$269.84

1.50

12.00

4.00

3.00

3.00

31.50

Totals Seed Mix

8.95

42.42

5.51

7.58

421.35

511.71

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
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$4.01	\$4.01
Total Mulch Matarials Cost/A and				
Total Mulch Materials Cost/Acre				\$4.01

Application

Description		Cost /Acre
Weed spray, truck, non-aquatic area, nox. [DMG]		\$62.72
	Total Mulch Application Cost/Acre	\$62.72

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
	\$0.00				

JOB TIME AND COST

No. of Acres: 1.42 Cost / Acres: \$716.61

Estimated Failure Rate: 50% Cost /Acre*: \$716.61

*Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: \$1,017.59

Reseeding Job Cost: \$508.79

Total Job Cost: \$1,526

Job Hours: 3.00

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: Init	ial Mobilization				
te: Wagner Pit	Permi	t Action: App		Permit/Job	#: <u>M2023038</u>
PROJECT IDENTIFICATI	<u>ON</u>				
Task #: 10A Date: 6/10/2024 User: ACY		olorado io Blanco	A	bbreviation: Filename:	None M038-10a
Agency or organization	n name: DRMS	S			
EQUIPMENT TRANSPOR	T RIG COST		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		per day
Truck Tractor Desc	ription: GENI		Cost Data : AY TRUCK TRA 400 HP (2ND HA	CTOR, 6X4, I	RG Data DIESEL POWERED,
Truck Trailer Desc	ription: C	GENERIC FOLDIN	`	, DROP DECI	K EQUIPMENT
Cost Breakdown:					
Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons	_	
Ownership Cost/Hour:	\$20.26	\$36.04	\$47.05	_,	
Operating Cost/Hour:	\$39.51	\$76.08	\$82.85	_	
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52	_	
Helper Cost/Hour:	\$0.00	\$23.53	\$23.53	_	
Total Unit Cost/Hour:	\$82.29	\$158.17	\$175.95	-	

NON ROADABLE EQUIPMENT:

Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return Trip	DOT Permit
Description	Unit	Cost/hr/ unit	Cost/hr/uni	Size	Cost/hr/	Cost/hr/ fleet	Cost/ fleet
_	(TONS)		t		fleet		
Cat D8T - 8SU	53.08	\$255.49	\$175.95	1	\$431.44	\$175.95	\$250.00
Drill/Broadcast	25.00	\$6.73	\$82.29	1	\$89.02	\$82.29	\$250.00
Seeder with							
Tractor							

Subtotals: \$520.46 \$258.24 \$500.00

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	\$127.92	1	\$127.92	\$127.92

Subtotals: \$127.92 \$127.92

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:

Total one-way travel distance:

Average Travel Speed:

GRAND JUNCTION
miles
50.00
mph

Total Non-Roadable Mob/Demob Cost *
 '* two round trips with haul rig:
 Total Roadable Mob/Demob Cost **
 ** one round trip, no haul rig:

\$4,065.54

\$332.59

Transportation Cycle Time:

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	1.30	1.30
Return Time (Hours):	1.30	1.30
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	3.60	2.60

JOB TIME AND COST

Total job time:	7.20	Hours
Total job cost:	\$4,398	

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description:	Secondary Mobiliza	ation		
Site: Wagner Pit	Permi	t Action: App	Permit/J	ob#: <u>M2023038</u>
PROJECT IDENTIFICA	<u>TION</u>			
Task #: 10B Date: 6/10/2024 User: ACY		Colorado Rio Blanco	Abbreviation Filename	
Agency or organizat	ion name: DRM	S		
EQUIPMENT TRANSPO	ORT RIG COST		Shift basis: Cost Data Source:	1 per day CRG Data
Truck Tractor De	escription: GENI		AY TRUCK TRACTOR, 6X4 400 HP (2ND HALF, 2006)	, DIESEL POWERED,
Truck Trailer De	escription: (GENERIC FOLDIN	IG GOOSENECK, DROP DE AILER (25T, 50T, AND 1007	~
Cost Breakdown:				
Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons	
Ownership Cost/Hour	: \$20.26	\$36.04	\$47.05	
Operating Cost/Hour	: \$39.51	\$76.08	\$82.85	
Operator Cost/Hour	: \$22.52	\$22.52	\$22.52	
Helper Cost/Hour	: \$0.00	\$23.53	\$23.53	
Total Unit Cost/Hour	: \$82.29	\$158.17	\$175.95	

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
Drill/Broadcast Seeder with Tractor	25.00	\$6.73	\$82.29	1	\$89.02	\$82.29	\$250.00

Subtotals: \$89.02 \$82.29 \$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.	\$82.80	1	\$82.80	\$82.80
Crew				

Subtotals: \$82.80 \$82.80

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:

Total one-way travel distance:

Average Travel Speed:

GRAND JUNCTION
miles
50.00
mph

Transportation Cycle Time:

	Non-		
	Roadable	Roadable	
	Equipment	Equipment	
Haul Time (Hours):	1.30	1.30	
Return Time (Hours):	1.30	1.30	
Loading Time (Hours):	0.50	NA	
Unloading Time (Hours):	0.50	NA	
Subtotals:	3.60	2.60	

JOB TIME AND COST

Total job cost: 7.20 Hours

Total job cost: \$1,339