

MINERALS PROGRAM INSPECTION REPORT PHONE: (303) 866-3567

The Division of Reclamation, Mining and Safety has conducted an inspection of the mining operation noted below. This report documents observations concerning compliance with the terms of the permit and applicable rules and regulations of the Mined Land Reclamation Board.

MINE NAME: Dill Pit	MINE/PROSPECTING ID#: M-2009-077	MINERAL: Borrow material for construction, gravel and sand	COUNTY: Elbert
INSPECTION TYPE:	WEATHER:	INSP. DATE:	INSP. TIME: 10:45
Monitoring	Clear	June 15, 2023	
OPERATOR:	OPERATOR REPRESENTATIVE:	TYPE OF OPERATION:	ution
Tracy and Ed Grimes	Ed Grimes	112c - Construction Regular Opera	

REASON FOR INSPECTION:	BOND CALCULATION TYPE:	BOND AMOUNT:
Normal I&E Program	Complete Bond	\$35,257.00
DATE OF COMPLAINT:	POST INSP. CONTACTS:	JOINT INSP. AGENCY:
NA	None	None
INSPECTOR(S):	INSPECTOR'S SIGNATURE:	SIGNATURE DATE:
Joel Renfro	$\bigcirc 10$	August 12, 2023
Amy Eschberger	Alkinto	
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The following inspection topics were identified as having Problems or Possible Violations. OPERATORS SHOULD READ THE FOLLOWING PAGES CAREFULLY IN ORDER TO ASSURE COMPLIANCE WITH THE TERMS OF THE PERMIT AND APPLICABLE RULES AND REGULATIONS. If a Possible Violation is indicated, you will be notified under separate cover as to when the Mined Land Reclamation Board will consider possible enforcement action.

INSPECTION TOPIC: Off-site Damage

PROBLEM #1: The Division found that 1.9 acres of land, immediately east of the operation, have been affected outside of the approved permit boundary. Imported silty clay has been stockpiled outside of the permit boundary with the intent to use for reclamation. The stockpiles are stored on property owned by the operator and have not yet been used in reclamation of the mining operation. Using these stockpiles in reclamation of the mining operation would result in a possible violation pursuant to C.R.S. 34-32.5-116(4)(i) for failure to protect areas outside of the affected land from slides or damages occurring during the mining operation.

CORRECTIVE ACTIONS: If the operator wishes to use any of the material stored outside of the permit boundary for the mining operation, an Amendment application must be submitted to expand the permit boundary to include the stockpile area. Alternatively, if the operator plans to use the material on their property, and not for reclamation of the mining operation, a written commitment shall be submitted stating as such. Either the above referenced Amendment application or the written commitment must be submitted to our office by the corrective action due date.

CORRECTIVE ACTION DUE DATE: September 15, 2023

INSPECTION TOPIC: Financial Warranty

PROBLEM #2: The financial warranty is not adequate to reclaim the site in accordance with the approved reclamation plan. This is a failure to maintain the proper financial warranty amount to complete reclamation of

the affected lands pursuant to C.R.S. 34-32.5-117(4)(b) and Rule 4.2.1(1).

CORRECTIVE ACTIONS: The Division has re-evaluated the required financial warranty for reclaiming the site in accordance with the approved reclamation plan (see enclosed bond estimate). Any comments regarding the Division's bond estimate and/or evidence demonstrating reclamation work has been completed shall be submitted by the corrective action due date. If, by the corrective action due date, no comments or additional information has been received, a notice of surety increase will be mailed to the operator for the amount shown in the enclosed bond estimate. The operator will have 60 days from the date on the surety increase notice to post the additional financial warranty.

CORRECTIVE ACTION DUE DATE: September 15, 2023

OBSERVATIONS

The Dill Pit was inspected by Joel Renfro and Amy Eschberger with the Division of Reclamation, Mining and Safety (Division/DRMS) as part of the Division's routine monitoring program. This site was previously inspected by the Division on June 30, 2017 as a pre-operation inspection before it's conversion to a 112c permit. Ed Grimes was present during the inspection. This operation mines for sand and is currently active. The site is located approximately 6 miles southwest of Limon, CO. This site is accessed from the north off of Hwy 24 via an access road through the landowner's property. The approved post-mining land use is rangeland. Photos 1-13 taken during the inspection are included with this report.

The Dill Pit is a 112c operation permitted for 19.4 acres, including the 18.2 acre mining area and the 1.2 acre access road (see enclosed Google Earth image of site showing approved permit area). This operation converted from a 110c permit to a 112c permit in January 2018 (see enclosed mining and reclamation plan maps). The Division estimates approximately 14.5 acres have been disturbed thus far. The pit has been mined generally from north to south and is approximately 20 feet deep. The mine plan states that slopes will be mined at 3H:1V; slopes around the pit range between 2H:1V to 3H:1V. A few stockpiles of mined material are stored on the pit floor. Topsoil is stockpiled around the pit on top of the highwalls. Mining equipment was present at the time of inspection. Mining had occurred earlier in the year and now the operation is hauling product off site according to demand. Boundary markers were inspected and metal post markers were found in every corner (see Photos 5-8); a fence marks the western boundary.

The operation is mining around an existing ephemeral drainage which, when carrying water, flows southwest to northeast across the permit area. The pit floor will be maintained no lower than the elevation of the drainage channel at all times. Stormwater management has been observed as effective as this region did experience significant storm events in the days leading up to the inspection, and there was no ponded water present at the time of inspection. However, a culvert installed under Co Rd 189 west of the site discharges stormwater into the natural drainage that crosses the permit area. This has caused severe erosion both inside and outside of the western edge of the permit area (see Photo 11). While the county is responsible for maintaining Co Rd 189 and its associated stormwater structures, the operator is responsible for stabilizing and protecting all surface areas of the affected land so as to effectively control erosion in accordance with C.R.S. 34.32.5-116(4)(j). However, it will be difficult to sufficiently address this issue within the permit area without some coordination with the county to modify and/or repair the stormwater structure for their road. Therefore, the Division recommends the operator reach out to the county at their earliest convenience to work on a solution. If the solution involves any changes to the approved mining and/or reclamation plans, such as the installation of an energy dissipation feature/structure that extends into the permit area, the operator can modify the applicable plans and maps through the submittal of a Technical Revision.

Reclamation has not yet started at this site. The approved reclamation plan includes grading all disturbed slopes to 3H:1V, except for the western pit wall, which will be graded to 4H:1V. The pit floor will be graded at an approximate 1% grade sloping away from the toe of the slopes, toward the intersected drainage. This will ensure no ponding of rain or snow runoff and prevent excessive site erosion. Any compacted areas (e.g., pit floor, stockpile areas, internal haul roads) will need to be ripped prior to replacing topsoil. On February 24, 2017, the Division approved the operator's request to import up to 7,000 cubic yards of silty clay to the site to place on graded slopes prior to replacing topsoil. The operator believes placing the silty clay on top of the sand will help stabilize the topsoil while the slopes are undergoing revegetation. The site will have topsoil replaced over all disturbed areas anywhere from 3 to 6 inches deep. The seedbed will be scarified and then drilled or broadcast seeded, depending on the slope gradient. Revegetation will include a seed mix of native grasses and forbs. Fertilizer and mulch will be used for revegetation. The pit floor and the flatter graded western pit wall

will not be mulched. The main access road will remain after reclamation for continued use by the landowner.

Vegetation throughout the site consists primarily of native grasses, forbs, and shrubs. Small patches of cheatgrass were found in and around the permit area, but no other state-listed noxious weeds were identified. The operator should continue to monitor these weeds and implement the approved weed management plan as appropriate, in accordance with Rule 3.1.10(6).

The Division observed silty clay stockpiles stored east of the operation, right outside of the permit boundary. This stockpile pad covers approximately 2 acres on land owned by the operator (see enclosed Google Earth images of site showing offsite damage). As mentioned above, the Division approved an Import Fill Notice in 2017, which allowed the operator to import up to 7,000 cubic yards of silty clay to the site for use in reclamation. Based on discussions with the operator during the inspection, it was the operator's understanding this imported material could be stored on his property adjacent to the permit area. The operator should be advised, any disturbances created at the site in association with the operation, including stockpiling of material to be used in reclamation of the site, is considered affected land. Pursuant to C.R.S. 34-32.5-103(1), "affected land" means the surface of an area within the state where a mining operation is being or will be conducted, which surface is disturbed as a result of an operation. Affected land include, but shall not be limited to, private ways, roads; land excavations, exploration sites; drill sites or workings; refuse banks or spoil piles; evaporation or settling ponds; work, parking, storage, or waste discharge areas; and areas in which structures, facilities, equipment, machines, tools, or other materials or property that result from or are used in such operations are situated. The off-site damage appears to have begun at least in June, 2017 after the Division's approval of the Import Fill Notice.

<u>A problem is cited in this report (see Problem #1) pursuant to C.R.S. 34-32.5-116(4)(i) for failure to</u> <u>protect areas outside of the affected land from slides or damages occurring during the mining operation</u> <u>and reclamation.</u> If the operator wishes to utilize the off-site material for the operation, an Amendment application must be submitted to expand the permit boundary to include the stockpile area. Alternatively, if the operator plans to use the material on their property, and not for reclamation of the mining operation, a written commitment shall be submitted stating as such. Either the above referenced Amendment application or the written commitment must be submitted to our office by the corrective action due date. The operator should be advised, if a written commitment is submitted, and the Division finds during a subsequent inspection that the off-site material is being used for the operation in any way, or the off-site area is being used for another purpose associated with the operation, enforcement actions will be pursued.

The Division re-evaluated the required financial warranty for reclaiming the site in accordance with the approved reclamation plan (see enclosed Bond Estimate), and found this amount to be \$53,570.00, which is \$18,313.00 more than the currently held amount of \$35,257.00. This is cited as a problem in this report (see Problem #2) for failure to maintain the proper financial warranty amount to complete reclamation of the affected lands in accordance with the approved reclamation plan. The operator is encouraged to review the enclosed bond estimate and submit any comments or evidence of reclamation work completed within 30 days of the date of this inspection report. If, by the 30-day corrective action deadline, the Division has not received any comments from the operator, a notice of Surety Increase will be issued for the amount calculated in the enclosed bond estimate. The operator will then have 60 days from the date of such notice to post the additional required financial warranty.

This concludes the report.

Any questions or comments regarding this inspection report should be forwarded to Joel Renfro at the Colorado Division of Reclamation, Mining and Safety, 1313 Sherman Street, Room 215, Denver, CO 80203, via telephone at (303) 866-3567 ext. 8147, or email at joel.renfro@state.co.us.

PHOTOGRAPHS



Photo 1. Dill Pit permit sign.



Photo 2. Access road leading into mined pit, looking west.



Photo 3. Access road leading into mined pit, looking south.



Photo 4. Recent mining with product stockpiles, looking south.



Photo 5. East boundary marker near access road, looking south.



Photo 6. North east corner boundary marker, looking west.



Photo 7. South eastern corner boundary marker, looking north.



Photo 8. South western corner boundary marker and fence marking western boundary, looking north.



Photo 9. Recently mined part of pit with product stockpile, looking north.



Photo 10. Product stockpile, looking south.



Photo 11. Culvert that discharges stormwater into natural drainage crossing mine site, looking west.



Photo 12. Imported silty clay stockpiled outside of permit boundary, circled in red, looking east.



Photo 13. Imported silty clay stockpiled outside of permit boundary, circled in red, looking east.

GENERAL INSPECTION TOPICS

The following list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each

(AR) RECORDS <u>N</u>	(FN) FINANCIAL WARRANTY PB	(RD) ROADS <u>Y</u>
(HB) HYDROLOGIC BALANCE <u>N</u>	(BG) BACKFILL & GRADING <u>Y</u>	(EX) EXPLOSIVES <u>N</u>
(PW) PROCESSING WASTE/TAILING <u>N</u>	(SF) PROCESSING FACILITIES <u>N</u>	(TS) TOPSOIL <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE <u>N</u>	(RV) REVEGETATION <u>N</u>
(SM) SIGNS AND MARKERS <u>Y</u>	(SP) STORM WATER MGT PLAN <u>N</u>	(RS) RECL PLAN/COMP <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE <u>N</u>	(SC) EROSION/SEDIMENTATION <u>N</u>	(ST) STIPULATIONS <u>N</u>
(AT) ACID OR TOXIC MATERIALS <u>N</u>	(OD) OFF-SITE DAMAGE <u>PB</u>	

Y = Inspected / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

Inspection Contact Address

Ed Grimes Tracy and Ed Grimes 47570 Hwy. 24 Limon, CO 80828

Enclosures: (4) Google Earth images of site Approved mining plan map Approved reclamation plan map Division's Bond Estimate

CC: Amy Eschberger, DRMS

Red Outline = 19.4 acres = Approved Permit Area (18.2 acre mining area + 1.2 acre access road) Purple Outline = 14.5 acres = Approximate Disturbed Area (based on 6/15/2023 inspection) (Image data from 1/2023)

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Red Outline = 19.4 acres = Approved Permit Area (18.2 acre mining area + 1.2 acre access road) Yellow Outline = 2 acres = Approximate off-site disturbance (Image data from 1/2023)



Red Outline = 19.4 acres = Approved Permit Area (18.2 acre mining area + 1.2 acre access road) Yellow Outline = 2 acres = Approximate off-site disturbance (Im age data from 3/2020)

189

189

Google Earth

Image © 2023 CNES / Airbus

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Red Outline = 19.4 acres = Approved Permit Area (18.2 acre mining area + 1.2 acre access road) Yellow Outline = 2 acres = Approximate off-site disturbance (Im age data from 6/2017)

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189

Google Earth

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LIMON VICINITY MAP SCALE: 1"= 1 MILE

OWNERS REPRESENTATIVE:

BRUCE HUMPHRIES, REGULATORY PERMITS MANAGEMENT, INC. 22151 E. EUCLID PL. AURORA, CO 80016 303-854-7499

- 1. THERE ARE NO NAMED CREEKS, BUILDINGS, OR OIL AND GAS WELLS WITHIN 200 FEET OF THE PROPOSED AFFECTED LAND. A PORTION OF PHASE 1 AND PHASE 2 ABUTS COUNTY ROAD 189. US HIGHWAY 24 IS WITHIN 200 FEET OF PHASE 2. TWO GAS PIPELINES ARE WITHIN 200 FEET OF THE MINE ACCESS ROAD. ALSO, AN UNDERGROUND PHONE LINE AND FIBER-OPTIC LINE ARE WITHIN 200 FEET OF PHASE 2 AFFECTED LANDS.
- 2. THE PHASE I, PROPOSED SITE AREA IS APPROXIMATELY 4.89 ACRES MORE OR LESS AND THE PHASE II, PROPOSED SITE AREA IS APPROXIMATELY 4.59 ACRES MORE OR LESS AND
- 3. FINAL MINED EAST FACING SLOPES IN PHASES 1 AND 2 SHALL NOT EXCEED A GRADE STEEPER ALL OTHER FINAL MINED SLOPES SHALL BE 3' HORIZONTAL TO 1' VERTICAL (3H: 1V) OR LESS.
- 4. INDICATES DIRECTION OF PROPOSED MINING AS DEPICTED ON THE MINING PLAN



PRE-MINING AND MINING PLAN MAP PART OF SEC. 28, T9S, R57W, 6TH P.M. ELBERT COUNTY, STATE OF COLORADO

TRACY & ED GRIMES

CLIENT

JOB NUMBER 17050-MM SHEET 1 OF 1



COST SUMMARY WORK

]	Fask descrip	otion:	Current disturb	ance estimat	ion			
Site:	Dill Pit		Pe	rmit Action:	2023 Calculation	Permit/Job	#: <u>M2009077</u>	
<u>P</u>]	ROJECT Task #:	IDENTIFIC	ATION State:	Colorado		Abbreviation:	None	
	Date: User:	7/19/2023 JR2	County:	Elbert		Filename:	M077-000	
	Age	ency or organiz	zation name:	RMS				

TASK LIST (DIRECT COSTS)

Task	Description	Form	Fleet	Task Hours	Cost
	Description	Used	Size		
001	Grade pit slopes from 2.5H:1V to 3H:1V	DOZER	1	2.14	\$914
001b	Grade W pit slopes from 3H:1V to 4H:1V	DOZER	1	6.42	\$2,739
002	Replace 4.5 in topsoil on 14.5 acres	LOADER	1	43.02	\$5,586
003	Rip compacted areas - 8.5 acres	RIPPER	1	13.24	\$5,936
004	Revegetate 14.5 acres	REVEGE	1	7.25	\$18,316
004b	Mulch 4.3 acres (excluding pit floor and W pit wall)	REVEGE	1	2.00	\$4,016
005	Mobilization/Demobilization	MOBILIZE	1	6.92	\$5,284
		<u>SUBT</u>	OTALS:	80.99	\$42,791

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$864
Performance bond:	1.05	Total =	\$449
Job superintendent:	40.50	Total =	\$2,635
Profit:	10.00	Total =	\$4,279
		TOTAL O & P =	\$8,228
		CONTRACT AMOUNT (direct + O & P) =	\$51,019

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	\$0	Total =	<u>\$0</u>
Engineering work and/or contract/bid preparation: Reclamation management and/or administration:	0.00 5.00	Total =	\$0 \$2,551
CONTINGENCY:	0.00	Total =	\$0
	TOT	AL INDIRECT COST =	\$10,779
TOTAL BO	ND AMOU	NT (direct + indirect) =	\$53,570

BULLDOZER WORK

Task description:	Grade pit slopes from 2.5H	I:1V to 3H:1V		
: Dill Pit	Permit Action:	2023 Calculation	Permit/Job#:	M2009077
PROJECT IDENTIFIC	ATION			
Task #: 001	State: Colorado	`	Abbreviation:	None
Date: $7/19/2023$	County: Elbert	<u> </u>	Filename:	M077-001
User: JR2	County		i nename.	WI077 001
Agency or organization	ation name: DRMS			
HOURLY EQUIPMEN	<u>Г СОЯТ</u>			
Basic Machine: Cat Da	8T - 8SU			
Horsepower: 310				
	Universal			
Attachment: NA				
Shift Basis: 1 per c	lay			
Data Source: (CRG)				
· · · · · · · · · · · · · · · · · · ·				
Cost Breakdown:		TT4:1'- 4' 0/		
	¢041.20	Utilization %		
Ownership Cost/Hour:	\$241.38			
Operating Cost/Hour:	\$143.92			
Ripper own. Cost/Hour:	\$0.00			
Ripper op. Cost/Hour:	\$0.00			
Operator Cost/Hour:	\$41.30	NA		
MATERIAL QUANTIT Initial Volume: <u>1,390</u> Swell factor: <u>1.250</u>				
Loose volume: 1,738 L	.CY			
Source of estimated volume: Source of estimated swell fa		cut and fill		
HOURLY PRODUCTION	<u>DN</u>			
Average push distance:	60 feet on: 1,246.9 LCY/hr			
Unadjusted hourly production				
Materials consistency descri	ption: Compacted fill or	embankment 0.9		
	5 % 5,700 feet			
Material weight:	2,650 lbs/LCY			
Weight description:	Decomposed rock - 25% Roc	k, 75% Earth		
Job Condition Correction Fa		Source		
Operator Ski		(AVG.)		
Material consistence		(CAT HB))		
Dozing metho		(SLOT)		
Visibilit		(AVG.)		
Job efficienc	cy: 0.830	(1 SHIFT/DA	Y)	

Net correction: 0.6507

Adjusted unit production:	811.36 LCY/hr
Adjusted fleet production:	811.36 LCY/hr

JOB TIME AND COST

Fleet size:	1 Dozer(s)
Unit cost:	\$0.526/LCY

Total job time:	2.14 Hours
Total job cost:	\$914

BULLDOZER WORK

Task description: G	rade W pit slopes from 3E	H:1V to 4H:1V		
Dill Pit	Permit Action:	2023 Calculation	Permit/Job#:	M2009077
PROJECT IDENTIFICAT	ΓΙΟΝ			
Task #: 001B	State: Colorado		Abbreviation:	None
Date: 8/11/2023	County: Elbert		Filename:	M077-001b
User: AME			T nename.	101077-0010
	-			
Agency or organization	on name: DRMS			
HOURLY EQUIPMENT	<u>COST</u>			
Basic Machine: Cat D8T	- 8SU			
Horsepower: 310				
Blade Type: Semi-Un	niversal			
Attachment: NA				
Shift Basis: <u>1 per day</u>	/			
Data Source: (CRG)				
Cost Breakdown:		1		
		Utilization %		
Ownership Cost/Hour:	\$241.38	NA		
Operating Cost/Hour:	\$143.92	100		
Ripper own. Cost/Hour:	\$0.00	NA		
Ripper op. Cost/Hour:	\$0.00	0		
Operator Cost/Hour:	\$41.30	NA		
Initial Volume: 4,167 Swell factor: 1.250				
Loose volume: 5,209 LC	Y			
Source of estimated volumes	1500 A L + 20 A L -	nut and fill		
Source of estimated volume: Source of estimated swell factor	$\frac{1500 \text{ ft } \text{L x } 20 \text{ ft } \text{H, c}}{\text{Cat Handbook}}$			
Source of estimated swen fact				
HOURLY PRODUCTION	J			
	_			
Average push distance:	60 feet			
Unadjusted hourly production:	1,246.9 LCY/hr			
Materials consistency description	ion: Compacted fill or e	embankment 0.9		
Average push gradient:5				
Average site altitude: 5,7	100 feet			
Material weight: 2,6	50 lbs/LCY			
Weight description: De	composed rock - 25% Rock	x, 75% Earth		
Job Condition Correction Factor		Source		
Operator Skill:		(AVG.)		
Material consistency:		(CAT HB))		
Dozing method: Visibility:		(SLOT) (AVG.)		
•		· · · · ·	7)	
Job efficiency:	0.830	(1 SHIFT/DAY	()	

Task # 001B

Spoil pile:	1.000	(DOZ-OC)
Push gradient:	1.115	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.868	(CAT HB)
Blade type:	1.000	(PAT)
Net correction:	0.6507	·
Adjusted unit production: 81	1.36 LCY/hr	

Adjusted unit production:	811.30 LC 1/IIf
Adjusted fleet production:	811.36 LCY/hr

JOB TIME AND COST

Fleet size:	1 Dozer(s)
Unit cost:	\$0.526/LCY

Total job time:	6.42 Hours
Total job cost:	\$2,739

WHEEL LOADER - LOAD AND CARRY WORK

Dill Pit	Permit Action:	2023 Calculation	Permit/Job	o#: <u>M2009077</u>
PROJECT IDENTIFICATION				
Task #: 002 S	tate: Colorado		Abbreviation	: None
	inty: Elbert		Filename	
User: JR2				
Agency or organization name:	DRMS			
HOURLY EQUIPMENT COST				
Basic Machine: CAT 950H		Hors	epower:	197
Attachment 1: ROPS Cab			-	1 per day
		Data	Source:	(CRG)
Cost Breakdown:				
		Utilization %		
Ownership Cost/Hour:	\$49.32	NA		
Operating Cost/Hour:	\$39.80	100		
Operator Cost/Hour:	\$40.71	NA		
Total Unit Cost/Hour:	\$129.83			
Total Fleet Cost/Hour:	\$129.83			
MATERIAL OHANTITIES				
MATERIAL QUANTITIES				
Initial volume: 8,773	CCY	Swell factor:	1.215	
	CCY	Swell factor:	1.215	
Initial volume: 8,773	LCY	Swell factor: _	1.215	
Initial volume:8,773Loose volume:10,659	LCY lume: 14.5 ac :	x 4.5 in depth	1.215	
Initial volume: 8,773 Loose volume: 10,659 Source of estimated vo Source of estimated swell f	LCY lume: 14.5 ac :	x 4.5 in depth	1.215	
Initial volume: 8,773 Loose volume: 10,659 Source of estimated vo	LCY lume: 14.5 ac :	x 4.5 in depth	1.215	
Initial volume: 8,773 Loose volume: 10,659 Source of estimated vo Source of estimated swell f	LCY lume: 14.5 ac factor: Cat Han	x 4.5 in depth		minutes
Initial volume: 8,773 Loose volume: 10,659 Source of estimated vo Source of estimated swell f HOURLY PRODUCTION Loader Cycle Time: Unadjusted	LCY lume: 14.5 ac factor: Cat Han	x 4.5 in depth dbook):0.500	
Initial volume: 8,773 Loose volume: 10,659 Source of estimated vo Source of estimated swell f HOURLY PRODUCTION Loader Cycle Time: Unadjusted Cycle Time Factors	LCY lume: 14.5 ac factor: Cat Han	x 4.5 in depth dbook		minutes Source (Cat HB)
Initial volume: 8,773 Loose volume: 10,659 Source of estimated vo Source of estimated swell f HOURLY PRODUCTION Loader Cycle Time: Unadjusted Cycle Time Factors Material: Material: Mixed material: Stockpile: Dumped	LCY lume: 14.5 ac actor: Cat Han Basic Cycle Time aterial 0.02 by truck 0.02	x 4.5 in depth dbook e (load, dump, maneuver): 0.500 Factor (min.)	Source
Initial volume: 8,773 Loose volume: 10,659 Source of estimated vo Source of estimated swell f HOURLY PRODUCTION Loader Cycle Time: Unadjusted Cycle Time Factors Material: Mixed mixed Stockpile: Dumped Truck Ownership: Common	LCY lume: 14.5 ac actor: Cat Han Basic Cycle Time aterial 0.02 by truck 0.02 ownership of tru	x 4.5 in depth dbook): 0.500 Factor (min.) 0.020 0.020 -0.040	Source(Cat HB)(Cat HB)(Cat HB)
Initial volume: 8,773 Loose volume: 10,659 Source of estimated vo Source of estimated swell f HOURLY PRODUCTION Loader Cycle Time: Unadjusted Cycle Time Factors Material: Mixed mail Stockpile: Dumped Truck Ownership: Common Operation: Constant	LCY lume: 14.5 ac actor: Cat Han Basic Cycle Time aterial 0.02 by truck 0.02 ownership of tru operation -0.04	x 4.5 in depth dbook e (load, dump, maneuver): 0.500 Factor (min.) 0.020 0.020 -0.040 -0.040	Source(Cat HB)(Cat HB)(Cat HB)(Cat HB)(Cat HB)
Initial volume: 8,773 Loose volume: 10,659 Source of estimated vo Source of estimated swell f HOURLY PRODUCTION Loader Cycle Time: Unadjusted Cycle Time Factors Material: Mixed mail Stockpile: Dumped Truck Ownership: Common Operation: Constant	LCY lume: 14.5 ac actor: Cat Han Basic Cycle Time aterial 0.02 by truck 0.02 ownership of tru operation -0.04 target 0.00	x 4.5 in depth dbook e (load, dump, maneuver cks and loaders -0.04): 0.500 Factor (min.) 0.020 0.020 -0.040 -0.040 0.000	Source(Cat HB)(Cat HB)(Cat HB)(Cat HB)(Cat HB)(Cat HB)
Initial volume: 8,773 Loose volume: 10,659 Source of estimated vo Source of estimated swell f HOURLY PRODUCTION Loader Cycle Time: Unadjusted Cycle Time Factors Material: Mixed mail Stockpile: Dumped Truck Ownership: Common Operation: Constant	LCY lume: 14.5 ac actor: Cat Han Basic Cycle Time aterial 0.02 by truck 0.02 ownership of tru operation -0.04 target 0.00 Net Cy	x 4.5 in depth dbook e (load, dump, maneuver cks and loaders -0.04 vcle Time Adjustment:	0.500 Factor (min.) 0.020 0.020 -0.040 -0.040 0.000 -0.040	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Initial volume: 8,773 Loose volume: 10,659 Source of estimated vo Source of estimated swell f HOURLY PRODUCTION Loader Cycle Time: Unadjusted Cycle Time Factors Material: Mixed mail Stockpile: Dumped Truck Ownership: Common Operation: Constant	LCY lume: 14.5 ac actor: Cat Han Basic Cycle Time aterial 0.02 by truck 0.02 ownership of tru operation -0.04 target 0.00 Net Cy	x 4.5 in depth dbook e (load, dump, maneuver cks and loaders -0.04): 0.500 Factor (min.) 0.020 0.020 -0.040 -0.040 0.000	Source(Cat HB)(Cat HB)(Cat HB)(Cat HB)(Cat HB)(Cat HB)
Initial volume: 8,773 Loose volume: 10,659 Source of estimated vo Source of estimated swell f HOURLY PRODUCTION Loader Cycle Time: Unadjusted Cycle Time Factors Material: Mixed mail Stockpile: Dumped Truck Ownership: Common Operation: Constant Dump Target: Nominal	LCY lume: 14.5 ac actor: Cat Han Basic Cycle Time aterial 0.02 by truck 0.02 ownership of tru operation -0.04 target 0.00 Net Cy Adjus	x 4.5 in depth dbook e (load, dump, maneuver cks and loaders -0.04 vcle Time Adjustment: ted Basic Cycle Time:): 0.500 Factor (min.) 0.020 0.020 -0.040 -0.040 0.000 -0.040 0.460	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Initial volume: 8,773 Loose volume: 10,659 Source of estimated vo Source of estimated swell f HOURLY PRODUCTION Loader Cycle Time: Unadjusted Cycle Time Factors Material: Mixed mail Stockpile: Dumped Truck Ownership: Common Operation: Constant Dump Target: Nominal Rolling Resistance – Road Conditions Haul: Soft, rutted	LCY lume: 14.5 ac i actor: Cat Han Basic Cycle Time aterial 0.02 by truck 0.02 ownership of tru operation -0.04 target 0.00 Net Cy Adjus	x 4.5 in depth dbook e (load, dump, maneuver cks and loaders -0.04 vcle Time Adjustment: ted Basic Cycle Time:): 0.500 Factor (min.) 0.020 0.020 -0.040 -0.040 0.000 -0.040 0.460 etration 8.0	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Initial volume: 8,773 Loose volume: 10,659 Source of estimated vo Source of estimated swell f HOURLY PRODUCTION Loader Cycle Time: Unadjusted Cycle Time Factors Material: Mixed mail Stockpile: Dumped Truck Ownership: Common Operation: Constant Dump Target: Nominal Rolling Resistance – Road Conditions Haul: Soft, rutted Return: Soft, rutted	LCY lume: 14.5 ac i actor: Cat Han Basic Cycle Time aterial 0.02 by truck 0.02 ownership of tru operation -0.04 target 0.00 Net Cy Adjus	x 4.5 in depth dbook e (load, dump, maneuver cks and loaders -0.04 vcle Time Adjustment: ted Basic Cycle Time:): 0.500 Factor (min.) 0.020 0.020 -0.040 -0.040 0.000 -0.040 0.460 etration 8.0	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Initial volume: 8,773 Loose volume: 10,659 Source of estimated vo Source of estimated swell f HOURLY PRODUCTION Loader Cycle Time: Unadjusted Cycle Time Factors Material: Mixed mail Stockpile: Dumped Truck Ownership: Common Operation: Constant Dump Target: Nominal Rolling Resistance – Road Conditions Haul: Soft, rutted	LCY lume: 14.5 ac i actor: Cat Han Basic Cycle Time aterial 0.02 by truck 0.02 ownership of tru operation -0.04 target 0.00 Net Cy Adjus	x 4.5 in depth dbook e (load, dump, maneuver cks and loaders -0.04 vcle Time Adjustment: ted Basic Cycle Time:): 0.500 Factor (min.) 0.020 0.020 -0.040 -0.040 0.000 -0.040 0.460 etration 8.0	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes

Source (feet) (%) Res. (%) (%) (minutes) (Cat HB) Haul Route: 200 5.00 8.00 13.00 0.3389 Return Route: (Cat HB) 200 -5.00 8.003.00 0.1519

			Total Travel T Total Cycle T		minutes minutes
Load Bucket Capacity					
Rated Capac Bucket Fill Fac Adjusted Capac	tor: 1.100	LCY (hear Other - roo LCY	ped) ck/dirt mixtures	(100-120%) 1.100	
Job Condition Correcti Site Altitude: <u>5700</u> fee					
		Source			
Altitude Adj:	1.00	(CAT HB)		
Job Efficiency:	0.83	(1 shift/day	<i>y</i>)		
Net Correction:	0.83	multiplier			
τ	Jnadjusted Hourly Unit Adjusted Hourly Unit		<u> 298.47</u> 247.73	LCY/Hour LCY/Hour	
	Adjusted Hourly Fleet	Production:	247.73	LCY/Hour	
JOB TIME AND C					
Fleet size:	1 Loader(s))	Total job time:	43.03	Hours

 Unit cost:
 \$0.524
 /LCY
 Total job cost:
 \$5,586

BULLDOZER RIPPING WORK

	: Dill Pit		Permit Action:	2023 Calculatio	n Pern	nit/Job#: <u>M20090</u>	77
	PROJECT ID	ENTIFICATIO	DN				
	Task #: 003		State: Colorado		Abbrev	iation: None	
		/2023	County: Elbert			ename: M077-00	3
	User: JR2	2	-				
	Agency	or organization	name: DRMS				
	HOURLY EQ	•					
			D8T - 8SU		Horsepower:	310	
	Ripper Att		ank Ripper		Shift Basis:	1 per day	
	10000	<u> </u>			Data Source:	(CRG)	
	Cost Breakdown:					, , , , , , , , , , , , , , , , ,	
	<u>Cost Dicardo vii</u>	-		1	Utilization %		
		Ownership Coa		\$241.38	NA		
		Operating Co		\$143.92	100		
		er Ownership Co		\$14.11	NA 100		
	Ripp	per Operating Co Operator Co		\$7.45 \$41.30	100 NA		
		Total Unit Co		\$448.16	INA		
		Total Fleet Co	st/Hour: \$448	.16			
	MATERIAL C	<u>UANTITIES</u>	Sele	cted estimating r	nethod: Area		
	Alternate Method	ls:		-			
ic:	NA		Bank Volume:	NA	BCY	NA	
ea:	8.50	acres	Rip Depth (ft):	1.50		570	BCY of
					- <u> </u>		
		Source of estim	ated quantity: Pit floo				
					ui ioaus		
	HOURLY PRO	DUCTION			ui ioaus		
	HOURLY PRO	ODUCTION					
			eismic Velocity:	NA	feet/second	1	
	Seismic:		eismic Velocity:			1	
		S	·			1	
	Seismic:	S Average Average	e Ripping Depth: Ripping Width:	NA 2.56 7.08	feet/second feet/pass feet/pass	1	
	Seismic:	S Average Average Average	Ripping Depth: Ripping Width: Ripping Length:	NA 2.56 7.08 200.00	feet/second feet/pass feet/pass feet/pass		
	Seismic:	S Average Average Average Avera	e Ripping Depth: Ripping Width: Ripping Length: ge Dozer Speed:	NA 2.56 7.08 200.00 88.00	feet/second feet/pass feet/pass feet/pass feet/minute	•	
	Seismic:	S Average Average Average Avera	e Ripping Depth: Ripping Width: Ripping Length: ge Dozer Speed: Maneuver Time:	NA 2.56 7.08 200.00 88.00 0.25	feet/second feet/pass feet/pass feet/pass feet/minute minutes/pa	•	
	<u>Seismic:</u> <u>Area:</u>	S Average Average Average Average Producti	e Ripping Depth: Ripping Width: Ripping Length: ge Dozer Speed:	NA 2.56 7.08 200.00 88.00	feet/second feet/pass feet/pass feet/pass feet/minute	•	
	Seismic:	S Average Average Average Average Producti	e Ripping Depth: Ripping Width: Ripping Length: ge Dozer Speed: Maneuver Time:	NA 2.56 7.08 200.00 88.00 0.25	feet/second feet/pass feet/pass feet/pass feet/minute minutes/pa	•	
	Seismic: Area: Job Condition Cc	S Average Average Average Average Production Production	e Ripping Depth: Ripping Width: Ripping Length: ge Dozer Speed: Maneuver Time:	NA 2.56 7.08 200.00 88.00 0.25	feet/second feet/pass feet/pass feet/pass feet/minute minutes/pa	•	
	Seismic: Area: Job Condition Cc	S Average Average Average Average Production Production	e Ripping Depth: Ripping Width: Ripping Length: ge Dozer Speed: Maneuver Time: on per unit area:	NA 2.56 7.08 200.00 88.00 0.25 0.773	feet/second feet/pass feet/pass feet/pass feet/minutes/pa acres/hour	•	
	Seismic: Area: Job Condition Cc	S Average Average Average Average Production Production	e Ripping Depth: Ripping Width: Ripping Length: ge Dozer Speed: Maneuver Time: on per unit area: Unit Production:	NA 2.56 7.08 200.00 88.00 0.25 0.773 0.773 5,700 1.00	feet/second feet/pass feet/pass feet/pass feet/minute minutes/pa acres/hour Acres/hr	e ISS	
	Seismic: Area: Job Condition Cc	S Average Average Average Average Production Production	e Ripping Depth: e Ripping Width: main Ripping Length: ge Dozer Speed: Maneuver Time: on per unit area: Unit Production: Site Altitude: Altitude Adj: Job Efficiency:	NA 2.56 7.08 200.00 88.00 0.25 0.773 0.773 5,700 1.00 0.83	feet/second feet/pass feet/pass feet/pass feet/pass feet/minutes/pa acres/hour Acres/hr feet (CAT HB) (1 shift/dat	e ISS	
	Seismic: Area: Job Condition Cc	S Average Average Average Average Production Production	e Ripping Depth: Ripping Width: ge Dozer Speed: Maneuver Time: on per unit area: Unit Production: Site Altitude: Altitude Adj:	NA 2.56 7.08 200.00 88.00 0.25 0.773 0.773 5,700 1.00	feet/second feet/pass feet/pass feet/pass feet/pass feet/minutes/pa acres/hour Acres/hr feet (CAT HB)	e ISS	
	Seismic: Area: Job Condition Cc	S Average Average Average Average Producti orrection Factors adjusted Hourly	e Ripping Depth: e Ripping Width: main Ripping Length: ge Dozer Speed: Maneuver Time: on per unit area: Unit Production: Site Altitude: Altitude Adj: Job Efficiency:	NA 2.56 7.08 200.00 88.00 0.25 0.773 0.773 5,700 1.00 0.83	feet/second feet/pass feet/pass feet/pass feet/pass feet/minutes/pa acres/hour Acres/hr feet (CAT HB) (1 shift/dat	e ISS	
	Seismic: Area: Job Condition Cc	S Average Average Average Producti orrection Factors adjusted Hourly	e Ripping Depth: Ripping Width: ge Dozer Speed: Maneuver Time: on per unit area: Unit Production: Site Altitude: Altitude Adj: Job Efficiency: Net Correction:	NA 2.56 7.08 200.00 88.00 0.25 0.773 0.773 5,700 1.00 0.83 0.83	feet/second feet/pass feet/pass feet/pass feet/pass feet/minutes/pa acres/hour Acres/hr feet (CAT HB) (1 shift/day multiplier	e ISS	
	Seismic: Area: Job Condition Cc	S Average Average Average Producti orrection Factors adjusted Hourly Adjusted H	e Ripping Depth: Ripping Width: ge Dozer Speed: Maneuver Time: on per unit area: Unit Production: Site Altitude: Altitude Adj: Job Efficiency: Net Correction: Hourly Unit Production:	NA 2.56 7.08 200.00 88.00 0.25 0.773 0.773 5,700 1.00 0.83 0.83 0.83 0.64	feet/second feet/pass feet/pass feet/pass feet/pass feet/minutes/pa acres/hour Acres/hr feet (CAT HB) (1 shift/day multiplier Acres/hr	e ISS	
	Seismic: Area: Job Condition Cc Un	S Average Average Average Producti orrection Factors adjusted Hourly Adjusted H	e Ripping Depth: Ripping Width: Ripping Length: ge Dozer Speed: Maneuver Time: on per unit area: on per unit area: Unit Production: Site Altitude: Altitude Adj: Job Efficiency: Net Correction: Hourly Unit Production: Iourly Fleet Production:	NA 2.56 7.08 200.00 88.00 0.25 0.773 0.773 5,700 1.00 0.83 0.83 0.83 0.64 0.64	feet/second feet/pass feet/pass feet/pass feet/pass feet/minutes/pa acres/hour Acres/hr feet (CAT HB) (1 shift/day multiplier Acres/hr Acres/hr	e Iss y)	urs
	Seismic: Area: Job Condition Cc Un	S Average Average Average Producti orrection Factors adjusted Hourly Adjusted H	e Ripping Depth: Ripping Width: ge Dozer Speed: Maneuver Time: on per unit area: Unit Production: Site Altitude: Altitude Adj: Job Efficiency: Net Correction: Hourly Unit Production:	NA 2.56 7.08 200.00 88.00 0.25 0.773 0.773 5,700 1.00 0.83 0.83 0.83 0.64	feet/second feet/pass feet/pass feet/pass feet/pass feet/minutes/pa acres/hour Acres/hr feet (CAT HB) (1 shift/day multiplier Acres/hr Acres/hr 13.2	e iss y) 25 Ho	urs

REVEGETATION WORK

Task descr	iption:	Revegetate 14.5 acres			
ite: Dill Pit		Permit Action	n: 2023 Calculation	Permit/Job	#: <u>M2009077</u>
PROJECT	<u>IDENTIFIC</u>	CATION			
Task #:	004	State: Colorad	0	Abbreviation:	None
Date:	7/19/2023	County: Elbert		Filename:	M077-004
	JR2			-	

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
0-20-20, 4-8-12, 10-10-10	40.00	pound	\$0.62	\$24.80
			Total Fertilizer Materials Cost/Acre	\$24.80

Application

Description		Cost /Acre
Tractor towed spreader (MEANS 32 01 90.13 0120)		\$41.82
	Total Fertilizer Application Cost/Acre	\$41.82

TILLING

Description		Cost /Acre
Chisel plowing {DMG}		\$100.40
Weed control spraying (MEANS 31 31 16.13 3100)		\$338.80
	Total Tilling Cost/Acre	\$439.20

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Blue Grama - Native	1.00	16.32	\$13.73
Little Bluestem - Cimarron	2.00	11.94	\$24.97
Prairie Clover, Purple - Kaneb	2.00	13.66	\$113.05
Sideoats Grama - El Reno	1.50	4.92	\$12.56
Sand Bluestem - Woodward	2.00	5.19	\$42.33
Prairie Sandreed - Goshen	2.00	12.53	\$20.70
Totals Seed Mix	10.50	64.57	\$227.34

Application

Description		Cost /Acre
Drill Seeding (DRMS Survey Cost)		\$232.00
	Total Seed Application Cost/Acre	\$232.00

MULCHING and MISCELLANEOUS

Materials

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

Application

Description		Cost /Acre
Weed spray, hand, non-aquatic area, nox. [DMG]		\$183.16
	Total Mulch Application Cost/Acre	\$183.16

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
		Totals	Nursery Stoc	k Cost / Acre	\$0.00

JOB TIME AND COST

No. of Acres:	14.5	Cost /Acre:	\$1,148.32
Estimated Failure Rate:	25%	Cost /Acre*:	\$459.34
*Selected Replanting Work Items:	SEEDING		

Initial Job Cost:	\$16,650.64
Reseeding Job Cost:	\$1,665.11
Total Job Cost:	\$18,316
Job Hours:	7.25

REVEGETATION WORK

te: Dill Pit		Per	rmit Action:	2023 Calculation	Permit/Jol	o#: <u>M2009077</u>
PROJECT	IDENTIFIC	CATION				
Task #:	004B	State:	Colorado		Abbreviation:	None
Date:	8/11/2023	County:	Elbert		Filename:	M077-004b
User:	AME					

FERTILIZING

Materials

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

Application

	Cost /Acre
	\$
otal Fertilizer Application Cost/Acre	\$0.00
	otal Fertilizer Application Cost/Acre

TILLING

Description	Cost /Acre
	\$
Total Tilling Cost/Acre	\$0.00

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
			\$
Totals Seed Mix	0.00	0.00	\$0.00

Application

Description	Cost /Acre
	\$

Total Seed Application Cost/Acre

\$0.00

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Hay, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$429.79	\$859.57
Total Mulch Materials Cost/Acre				\$859.57

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$74.46
	Total Mulch Application Cost/Acre	\$74.46

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
		Totals	Nursery Stoc	k Cost / Acre	\$0.00

JOB TIME AND COST

Estimate *Selected Replantin	No. of Acres: d Failure Rate: ng Work Items:	0%	Cost /Acre: Cost /Acre*:	
Initial Job Cost: Reseeding Job Cost: Total Job Cost: Job Hours:	\$0.00 \$4,016			

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description:	Мо	bilization/Demob	ilization				
e: Dill Pit		Permit	Action: 2023	Calculatio	<u>n</u>	Permit/Job#: <u>N</u>	M2009077
PROJECT IDE	NTIFICATI	ON					
Task #: 005	5	State: Co	olorado		Abbro	eviation: Non	e
	9/2023		bert				7-005
User: JR2	2	·					
Agency	or organization	n name: DRMS					
EQUIPMENT 1	FRANSPOR	<u>T RIG COST</u>					
					Shift ba	sis: 1 per d	lay
				(Cost Data Sou		
Traval	- Transfor Doco	nintion. CENE					
Iruci	c Tractor Desc	ripuon: GENE	KIC UN-HIGH		(2ND HALF,	OR, 6X4, DIESE	L POWERED,
Tmia	k Trailer Desc	rintion: G				Z000) ROP DECK EQU	IIDMENIT
Truc	k Traffer Desc	ripuon: G			(25T, 50T, A)		JIPMENI
			1	KAILEK	(231, 301, A)	ND 1001)	
Cost Breakdown:							
Available Rig C	apacities	0-25 Tons	26-50 Tons	51+	Tons		
Ownership	o Cost/Hour:	\$20.26	\$36.04	\$4	7.05		
Operating	g Cost/Hour:	\$39.51	\$76.08	\$8	2.85		
Operator	r Cost/Hour:	\$22.52	\$22.52	\$2	2.52		
Helper	r Cost/Hour:	\$0.00	\$23.53	\$2	3.53		
Total Uni	t Cost/Hour:	\$82.29	\$158.17	\$1	75.95		
NON ROADAB	LE EQUIPN	MENT:					
Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return Trip	DOT Permit
Description	Unit	Cost/hr/ unit	Cost/hr/unit	Size	Cost/hr/	Cost/hr/ fleet	Cost/ fleet
Ŧ	(TONS)				fleet		
Drill/Broadcast	25.00	\$6.73	\$82.29	1	\$89.02	\$82.29	\$250.00
Seeder with							
Tractor							
Cat D8T - 8SU	53.08	\$255.49	\$175.95	1	\$431.44	\$175.95	\$250.00
CAT 950H	20.13	\$49.32	\$82.29	1	\$131.61	\$82.29	\$250.00
				Subtotals:	\$652.07	\$340.53	\$750.00
				Subiolais.	3032.07	\$340.33	\$750.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x2, 1/2 T.	\$14.82	1	\$14.82	\$14.82
		Subtotals:	\$14.82	\$14.82

EQUIPMENT HAUL DISTANCE and Time

miles
mph

Transportation Cycle Time:

Haul Time (Hours): Return Time (Hours): Loading Time (Hours): Unloading Time (Hours):	Non- Roadable Equipment 1.23 1.23 0.50 0.50	Roadable Equipment 1.23 1.23 NA NA NA
Subtotals:	3.46	2.46

JOB TIME AND COST

Total job time: 6.92 Hours

Total job cost: \$5,284