

April 14, 2025

Roy McClung Natural Soda LLC 3200 CR 31 Rifle, CO 81650

RE: Nahcolite Project, Permit No. M-1983-194, TR-51 Reclamation Cost Estimate-Changes to Bond V2

Dear Mr. McClung:

This reclamation cost update was in response to the technical revision request (TR-51) which was submitted on March 18, 2025. The Division is mandated to recalculate the reclamation cost estimate to ensure that the Financial Warranty adequately, reflects the actual current cost of fulfilling the requirements of the approved reclamation plan.

Below is a table summarizing input values that have been updated with technical revision (TR-51) as compared to previous technical revision (TR-50) calculation. This table does not account for price changes resulting from inflation or other RS Means cost changes.

Task	Form Used	Change	Justification
01a	Demo	+	Adjust pipeline amount. Previous total was 36,668 LF. Avg size 10". New pipe total 43,218 LF of pipe.
			Updated Demo Hours based on RSMeans Production Data. Min 5550 Hrs. See attached
02a	Borehole	+	Add wells 19H-1V and 19H-IR-E
			Removed 14H-RI-E (14H-R), 15H-1, and 17H-I
			86076 LF to be P&A @ 100LF/Hr = 861Hrs
03a	Dozer	+	No Changes
03b	Ripper	+	No Changes



03c	Dozer	+	No Changes
03d	Reveg	+	No Changes
04a	Dozer	+	No Changes
04b	Ripper	+	No Changes
04c	Dozer	+	No Changes
04d	Reveg	+	No Changes
05a	Dozer	-	Adjust pad grading from 54 ac to 50.9 ac (Disturbed + Interim Rec) based on Well Pad & Road Acreage spreadsheet dated 4/3/2025. 50.9 ac @ 24" = 164,237 CY
05b	Dozer	-	Adjust topsoiling pads from 54 ac to 50.9 ac (Disturbed + Interim Rec) based on Well Pad & Road Acreage spreadsheet dated 4/3/2025. 50.9 ac @ 6" = 41,059 CY
05c	Reveg	+	Adjust pad reveg from 54 ac to 50.9 ac (Disturbed + Interim Rec) based on Well Pad & Road Acreage spreadsheet dated 4/3/2025.
06a	Ripper	+	Adjust ripping roads from 4 ac to 4.828 ac (Disturbed + Interim Rec) based on Well Pad & Road Acreage spreadsheet dated 4/3/25.
06b	Dozer	+	Adjust topsoiling roads from 4 ac to 4.828 ac (Disturbed + Interim Rec) based on Well Pad & Road Acreage spreadsheet dated 4/3/2025. 4.828 ac @ 6" = 3,895 CY
06c	Reveg	+	Adjust road reveg from 4 ac to 4.828 ac (Disturbed + Interim Rec) based on Well Pad & Road Acreage spreadsheet dated 4/3/2025.
07a	Mob	+	Update equipment used for Demo
07b	Mob	+	No Changes
Indire	ct	+	Adjust total job hours

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Per policy I wanted to send this out for review prior to issuance. Please look it over and let me know if there are errors or concerns. If no response is received by **Wednesday, April 16, 2025** then I'll approve TR-51 the on April 17, 2025. TR-51 will result in a total required bond amount of **\$5,715,747**, which is <u>an increase of \$1,249,322</u> over the \$4,466,425 currently held. Additionally, the Decision Due Date may be extended if additional review time is required.

Please feel free to contact me with any further questions.

Sincerely,

Amy Geldell

Amy Yeldell Environmental Protection Specialist

COST SUMMARY WORK

Task description:		TR-51 Update			
Site: Nahcolite Project		Per	rmit Action: <u>TR-51</u>	Permit/Joł	o#: M1983194
PROJECT	IDENTIFIC	CATION State:	Colorado	Abbreviation	None
Date:	4/14/2025	County:	Rio Blanco	Filename:	M194-ACY
User:	ACY		DMC		

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Demo of Plant, pipelines, powerlines and parking lot	DEMOLISH	1	5,500.00	\$2,867,662
			1		
02	Borehole P&A	BOREHOLE	1	861.00	\$858,361
			1		
03a	Regrade Process Ponds	DOZER	2	178.19	\$114,619
03b	Decompact Process Pond	RIPPER	2	6.85	\$4,715
03c	Topsoil Process Pond	DOZER	2	14.06	\$9,044
03d	Reveg Process Pond	REVEGE] 1	28.50	\$53,435
]		
04a	Regrade Plant Area	DOZER	2	23.69	\$15,239
04b	Decompact Plant Area	RIPPER	2	7.02	\$4,833
04c	Topsoil Plant Area	DOZER	2	7.58	\$4,879
04d	Reveg Plant Area	REVEGE] 1	12.30	\$23,062
05a	Regrade Well Pads	DOZER	2	183.42	\$117,982
05b	Topsoil Well Pads	DOZER	2	37.67	\$24,228
05c	Reveg Well Pads	REVEGE	1	66.00	\$143,150
]		
06a	Decompact Roads	RIPPER	2	3.87	\$2,670
06b	Topsoil roads	DOZER	2	2.98	\$1,915
06c	Reveg Roads	REVEGE	1	7.00	\$13,584
]		
07a	Initial Mobilization	MOBILIZE	1	8.00	\$16,656
07b	Secondary Mobilization	MOBILIZE	1	8.00	\$2,858
		6956.13	\$4,278,892		

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$86,434				
Performance bond:	1.05	Total =	\$44,928				
Job superintendent:	3,478.06	Total =	\$275,706				
Profit:	10.00	Total =	\$427,889				
		TOTAL O & $P =$	\$834,957				
		CONTRACT AMOUNT (direct + O & P) = $($	\$5,113,849				
LEGAL - ENGINEERING - PROJECT MANAGEMENT:							

Financial warranty processing (legal/related costs): Engineering work and/or contract/bid preparation: Reclamation management and/or administration:	\$500 4.25 5.00	Total = Total =	\$500 \$217,339 \$255,692
CONTINGENCY:	3.00	Total =	\$128,367
	TOTAL I	NDIRECT COST =	\$1,436,855
TOTAL BO	\$5,715,747		

DEMOLITION WORK

,	Task description:	Demo of Pla	ant, pipelines, p	owerlines and	parking lot				
Site:	Nahcolite Project		Permit Action:	TR-51	Permit/.	Job#: <u>M1983194</u>			
PROJECT IDENTIFICATION									
Task #:	01A	State:	Colorado		Abbreviation:	None			
Date:	4/14/2025 8:29:28	County:	Rio Blanco		Filename:	M194-01a			
	AM								
User:	ACY								
	Agency or organiza	tion name:	DRMS						

UNIT COSTS

Location adjustment: 95.50 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
NSI Plant	200'L x 227'W x 42.5'H	Plant (3S) demo./off-site disposal in approved landfill - Max. 30 mile haul	1,929,500.00	CF	\$0.99	\$1,910,012.05
Product Storage Dome	95'L x 95'W x 50'H	Plant (3S) demo./off-site disposal in approved landfill - Max. 30 mile haul	451,250.00	CF	\$0.99	\$446,692.38
Removal of NSI Plant Slab	200'L x 227'W x 8"	Demo. and on-site disposal in excavated pit, 8 in. thick - Max. 200 ft. push	45,400.00	SF	\$1.65	\$75,046.20
Removal of Storage Dome Slab	95'L x 95'W x8"	Demo. and on-site disposal in excavated pit, 8 in. thick - Max. 200 ft. push	9,025.00	SF	\$1.65	\$14,918.33
Scale Building	108'W x 18'L x 10'H	Plant (1S) demo./off-site disposal in approved landfill - Max. 30 mile haul	19,440.00	CF	\$0.96	\$18,697.39
Removal of Scale Building Slab	108'W x 18'L x 8"	Demo. and on-site disposal in excavated pit, 8 in. thick - Max. 200 ft. push	1,944.00	SF	\$1.65	\$3,213.43
Tank Farm	30'W x 50'H	Haul tank to certified salvage dump - 3,000 to 5,000 gal. tank	5.00	EA	\$760.00	\$3,800.00
Removal of Flagpole/Monument	70 SqFt	USER PROVIDED ITEM	70.00	Ft^2	\$5.00	\$350.00
Demolition of Screening and Magnet System	6'W x 18'L x 10'H	Plant (3S) demo./off-site disposal in approved landfill - Max. 30 mile haul	1,080.00	CF	\$0.99	\$1,069.09
Pipelines averaged to 10" diam	43218 LF	Pipe, steel, welded connections - 10 in. diameter pipe	43,218.00	LF	\$12.24	\$528,988.32

				Total Cost	
		Subtotal		(adjusted for	
Job Hours:	5,500.00	(unadjusted): \$	3,002,787.19	location):	\$2,867,661.77

BOREHOLE SEALING WORK

	Task description:	Borehole Pa	&A			
Site:	Nahcolite Project		Permit Action:	TR-51	Permit/J	lob#: M1983194
<u>PROJE</u>	CT IDENTIFICATION	N				
Task #: Date: User:	= 02 = 4/14/2025 ACY	State: County:	Colorado Rio Blanco		Abbreviation: Filename:	None M194-02
	Agency or organizat	tion name:	DRMS			

UNIT COSTS

Borehole	Sealing/Item Method						
Description		Diameter	Length	Quantity	Unit	Unit Cost	Total Cost
89-1	Portland cement grout - 4 in. (labor, equip, materials)	4	1627	1,627.00	LF	\$8.71	\$14,176.38
89-2	Portland cement grout - 4 in. (labor, equip, materials)	4	1417	1,417.00	LF	\$8.71	\$12,346.60
89-3	Portland cement grout - 4 in. (labor, equip. materials)	4	347	347.00	LF	\$8.71	\$3,023.48
90-3	Portland cement grout - 4 in. (labor,	4	1627	1,627.00	LF	\$8.71	\$14,176.38
90-4	Portland cement grout - 4 in. (labor, equip. materials)	4	1417	1,417.00	LF	\$8.71	\$12,346.60
BG-4	Portland cement grout - 4 in. (labor, equip, materials)	4	1627	1,627.00	LF	\$8.71	\$14,176.38
DS-3	Portland cement grout - 4 in. (labor, equip, materials)	4	1876	1,876.00	LF	\$8.71	\$16,345.96
IRI-1	Portland cement grout - 4 in. (labor, equip, materials)	4	347	347.00	LF	\$8.71	\$3,023.48
IRI-4	Portland cement grout - 4 in. (labor, equip, materials)	4	1417	1,417.00	LF	\$8.71	\$12,346.60
IRI-5	Portland cement grout - 4 in. (labor, equip, materials)	4.1	347	347.00	LF	\$8.71	\$3,023.48
IRI-6	Portland cement grout - 4 in. (labor, equip, materials)	4	1627	1,627.00	LF	\$8.71	\$14,176.38
IRI-7	Portland cement grout - 4 in. (labor, equip, materials)	4	1876	1,876.00	LF	\$8.71	\$16,345.96
12H-I	Portland cement grout - 8 in. (labor, equip, materials)	7	2100	2,100.00	LF	\$10.60	\$22,265.67
12H-I Bridge Plug	PVC plug - 8 in. diameter borehole	7	1	1.00	EA	\$89.31	\$89.31
12H-R	Portland cement grout - 8 in. (labor, equip, materials)	7	2100	2,100.00	LF	\$10.60	\$22,265.67
12H-R Bridge Plug	PVC plug - 8 in. diameter borehole	7	1	1.00	EA	\$89.31	\$89.31
BG-6	Portland cement grout - 4 in. (labor, equip, materials)	4	1639	1,639.00	LF	\$8.71	\$14,280.93
WSW-2	Portland cement grout - 8 in. (labor, equip, materials)	7	1460	1,460.00	LF	\$10.60	\$15,479.94
13H-RI-E (13H-R)	Portland cement grout - 8 in. (labor, equip, materials)	7	2100	2,100.00	LF	\$10.60	\$22,265.67
13H-RI-E Bridge Plug	PVC plug - 8 in. diameter borehole	7	1	1.00	EA	\$89.31	\$89.31
WSW-3	Portland cement grout - 8 in. (labor, equip, materials)	7	1420	1,420.00	LF	\$10.60	\$15,055.83

	1						
WSW-4	Portland cement grout - 8 in. (labor, equip. materials)	7	1431	1,431.00	LF	\$10.60	\$15,172.46
DS-8 (I, Phase	Portland cement grout - 4 in. (labor,	4	1882	1,882.00	LF	\$8.71	\$16,398.24
1) AG-1 (I Phase	Portland cement grout - 4 in (labor	4	1487	1 487 00	LF	\$8 71	\$12 956 53
1)	equip, materials)		1407	1,407.00	LI	ψ0.71	φ12,950.55
BG-7 (K, Phase	Portland cement grout - 4 in. (labor,	4	1593	1,593.00	LF	\$8.71	\$13,880.13
1)	equip, materials)						
DS-9 (M,	Portland cement grout - 4 in. (labor,	4	1917	1,917.00	LF	\$8.71	\$16,703.20
Phase 1)	equip, materials)		1007	1.007.00		#0.51	#16 530 04
DS-7	Portland cement grout - 4 in. (labor, equip, materials)	4	1897	1,897.00	LF	\$8.71	\$16,528.94
O-GWM-A (O,	Portland cement grout - 8 in. (labor,	7	1294	1,294.00	LF	\$10.60	\$13,719.89
Phase 2)	equip, materials)		1000	1.002.00	. F	#0.51	#16300.24
DS-6	Portland cement grout - 4 in. (labor,	4	1882	1,882.00	LF	\$8.71	\$16,398.24
IDI 11	Portland compart grout 4 in (labor	1	1550	1 550 00	IE	¢ 9 7 1	\$12 505 46
111-11	equin materials)	-	1550	1,550.00	LT	φ0./I	\$15,505.40
15H-RI (15H-	Portland cement grout - 8 in. (labor.	6.4	1960	1.960.00	LF	\$10.60	\$20,781,29
R)	equip, materials)	0.1	1900	1,,,00.00	21	<i>Q</i> 10.00	¢20,701.29
15H-RI Bridge	PVC plug - 6 in. diameter borehole	6.4	1	1.00	EA	\$65.19	\$65.19
Plug							
16H-I	Portland cement grout - 8 in. (labor, equip, materials)	6.4	1960	1,960.00	LF	\$10.60	\$20,781.29
16H-I Bridge	PVC plug - 6 in. diameter borehole	6.4	1	1.00	EA	\$65.19	\$65.19
Plug							
17H-R	Portland cement grout - 10 in. (labor,	9	2000	2,000.00	LF	\$12.05	\$24,101.00
	equip, materials)						
17H-R Bridge Plug	PVC plug - 10 in. diameter borehole	9	1	1.00	EA	\$122.34	\$122.34
12H-IR	Portland cement grout - 10 in. (labor,	9	2100	2,100.00	LF	\$12.05	\$25,306.05
	equip, materials)						
12H-IRBridge	PVC plug - 10 in. diameter borehole	9	1	1.00	EA	\$122.34	\$122.34
12U ID	Portland compart grout 10 in (labor	0	2100	2 100 00	IE	\$12.05	\$25,206,05
1511-IK	equip, materials)	9	2100	2,100.00	Lſ	\$12.03	\$23,300.03
13H-IR Bridge	PVC plug - 10 in. diameter borehole	9	1	1.00	EA	\$122.34	\$122.34
Plug	Deutland annant mart 4 in (labor	4	17(0	1 7(0 00	LE	¢0.71	¢15 225 22
13H-55MW	equip materials)	4	1/00	1,760.00	LF	\$8.71	\$15,555.25
17H-SSMW	Portland cement grout - 4 in (labor	4	1720	1 720 00	IF	\$8 71	\$14 986 70
1711 001010	equip, materials)		1720	1,720.00	21	ψ0.71	¢11,900.70
DS-10	Portland cement grout - 4 in. (labor,	4	1882	1,882.00	LF	\$8.71	\$16,398.24
	equip, materials)			-			-
14H-1V	Portland cement grout - 10 in. (labor,	8.9	1945	1,945.00	LF	\$12.05	\$23,438.22
	equip, materials)						
14H-1V Bridge	PVC plug - 10 in. diameter borehole	8.9	1	1.00	EA	\$122.34	\$122.34
Plug	D (1 1 (1 1)	8.0	1000	1 000 00	LE	¢12.05	¢22.971.95
15H-1V	Portland cement grout - 10 in. (labor,	8.9	1898	1,898.00	LF	\$12.05	\$22,871.85
16H-1V	Portland cement grout - 10 in (labor	8.9	1976	1 976 00	IF	\$12.05	\$23,811,79
1011-1 V	equip, materials)	0.7	1770	1,970.00	LI	\$12.05	\$25,011.75
17H-1V	Portland cement grout - 10 in. (labor.	8.9	2100	2,100.00	LF	\$12.05	\$25,306.05
	equip, materials)	-		,			. ,
15H-IR-E	Portland cement grout - 10 in. (labor,	8.9	2135	2,135.00	LF	\$12.05	\$25,727.82
	equip, materials)						
15H-IR-E	PVC plug - 10 in. diameter borehole	8.9	1	1.00	EA	\$122.34	\$122.34
Bridge Plug					1		

16H-IR-E	Portland cement grout - 10 in. (labor, equip, materials)	8.9	2131	2,131.00	LF	\$12.05	\$25,679.62
16H-IR-E Bridge Plug	PVC plug - 10 in. diameter borehole	8.9	1	1.00	EA	\$122.34	\$122.34
17H-IR-E	Portland cement grout - 10 in. (labor, equip, materials)	8.9	2138	2,138.00	LF	\$12.05	\$25,763.97
17H-IR-E Bridge Plug	PVC plug - 10 in. diameter borehole	8.9	1	1.00	EA	\$122.34	\$122.34
BG-11	Portland cement grout - 4 in. (labor, equip, materials)	4	1677	1,677.00	LF	\$8.71	\$14,612.04
PA-1	Portland cement grout - 4 in. (labor, equip, materials)	4	490	490.00	LF	\$8.71	\$4,269.47
AG-2	Portland cement grout - 4 in. (labor, equip, materials)	4	1230	1,230.00	LF	\$8.71	\$10,717.24
BG-10	Portland cement grout - 4 in. (labor, equip, materials)	4	1420	1,420.00	LF	\$8.71	\$12,372.74
17H-E SSMW	Portland cement grout - 4 in. (labor, equip, materials)	4	1828	1,828.00	LF	\$8.71	\$15,927.73
18H-1V	Portland cement grout - 10 in. (labor, equip, materials)	8.9	1972	172.00	LF	\$12.05	\$2,072.69
18H-1V Bridge Plug	PVC plug - 10 in. diameter borehole	8.9	1	1.00	EA	\$122.34	\$122.34
18H-IR-W	Portland cement grout - 10 in. (labor, equip, materials)	8.9	2278	2,278.00	LF	\$12.05	\$27,451.04
18H-IR-W Bridge Plug	PVC plug - 10 in. diameter borehole	8.9	1	1.00	EA	\$122.34	\$122.34
19H-1V	Portland cement grout - 10 in. (labor, equip, materials)	8.9	2200	2,200.00	LF	\$12.05	\$26,511.10
19H-1V Bridge Plug	PVC plug - 10 in. diameter borehole	8.9	1	1.00	EA	\$122.34	\$122.34
19H-IR-E	Portland cement grout - 10 in. (labor, equip, materials)	8.9	2050	2,050.00	LF	\$12.05	\$24,703.53
19H-IR- EBridge Plug	PVC plug - 10 in. diameter borehole	8.9	1	1.00	EA	\$122.34	\$122.34

Job Hours: 861.00

Total Cost: \$858,361.00

BULLDOZER WORK

ask description:	Regra	ade Process	Ponds				
Nahcolite Project	et	Peri	nit Action:	TR-51		Permit/Job#:	M1983194
PROJECT IDEN	TIFICATIO	<u>DN</u>					
Task #: 03A		State:	Colorado			Abbreviation:	None
Date: 4/14/2	2025	County:	Rio Blanco)		Filename:	M194-03a
8:30:5	57 AM					-	
User: <u>ACY</u>							
Agency or	organization r	name: DR	RMS				
HOURLY EQUI	PMENT CO	<u>ST</u>					
Basic Machine:	Cat D8T - 8	SU					
Horsepower:	310						
Blade Type:	Semi-Unive	rsal					
Attachment:	NA						
Shift Basis:	1 per day						
Data Source:	(CRG)						
Cost Breakdown:							
				<u>U</u>	tilization %		
Ownership Cost/H	lour:		\$173.32		NA		
Operating Cost/H	lour:		\$109.71		100		
Ripper own. Cost/H	lour:		\$0.00		NA		
Ripper op. Cost/H	iour:		\$0.00		0		
Operator Cost/H	lour:		\$38.59		NA		
			•		1111		
Total unit Cost/Hou	ır: \$321.6	52			1111		
Total unit Cost/Hou Total Fleet Cost/Ho	ur: \$321.6 our: \$643.2	52 3			1111		
Total unit Cost/Hou Total Fleet Cost/Ho	ur: \$321.6 our: \$643.2	52 3	· · · · · · · · · · · · · · · · · · ·				
Total unit Cost/Hou Total Fleet Cost/Ho MATERIAL QU	ur: \$321.6 our: \$643.2 JANTITIES	2 3					
Total unit Cost/Hou Total Fleet Cost/Ho MATERIAL QU	ur: \$321.6 our: \$643.2 JANTITIES	2 3					
Total unit Cost/Hou Total Fleet Cost/Ho MATERIAL QU Initial Volume:	ur: \$321.6 bur: \$643.2 JANTITIES 66,147	2 3					
Total unit Cost/Hou Total Fleet Cost/Ho <u>MATERIAL QU</u> Initial Volume: Swell factor:	ur: \$321.6 bur: \$643.2 ANTITIES 66,147 1.115 73 754 L CX	<u>2</u> 3					
Total unit Cost/Hou Total Fleet Cost/Ho <u>MATERIAL QU</u> Initial Volume: Swell factor: Loose volume:	ur: <u>\$321.6</u> pur: <u>\$643.2</u> JANTITIES 66,147 1.115 73,754 LCY	3 3					
Total unit Cost/Hou Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume:	ur: \$321.6 bur: \$643.2 ANTITIES 66,147 1.115 73,754 LCY I volume:	2 3 	es from TR-	50			
Total unit Cost/Hou Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated	ur: \$321.6 bur: \$643.2 ANTITIES 66,147 1.115 73,754 LCY volume: swell factor:	2 3 Mo chang Cat Hand	es from TR-	50			
Total unit Cost/Hou Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated	ur: \$321.6 pur: \$643.2 (ANTITIES) 66,147 1.115 73,754 LCY 1 volume: 1 swell factor:	2 3 	es from TR- book	50			
Total unit Cost/Hou Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated	ur: \$321.6 pur: \$643.2 ANTITIES 66,147 1.115 73,754 LCY l volume: l swell factor: DUCTION	3 No chang Cat Hand	es from TR- book	50			
Total unit Cost/Hou Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROE	ur: \$321.6 pur: \$643.2 ANTITIES 66,147 1.115 73,754 LCY I volume: I swell factor: DUCTION nce:	2 3 No chang Cat Hand	es from TR- book	50			
Total unit Cost/Hou Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROE Average push distar Unadjusted hourly r	ur: \$321.6 bur: \$643.2 ANTITIES 66,147 1.115 73,754 LCY I volume: I swell factor: DUCTION nce: production:	2 3 3 <u>No chang</u> Cat Hand <u>175 feet</u> 562.2 LCY/	es from TR- book	50			
Total unit Cost/Hou Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROE Average push distar Unadjusted hourly p	ur: \$321.6 pur: \$643.2 (ANTITIES 66,147 1.115 73,754 LCY I volume: I swell factor: DUCTION nce: production:	2 3 <u>No chang</u> <u>Cat Hand</u> 175 feet 562.2 LCY/	es from TR- book	50			
Total unit Cost/Hou Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROE Average push distar Unadjusted hourly p	ur: \$321.6 pur: \$643.2 ANTITIES 66,147 1.115 73,754 LCY volume: 1 swell factor: DUCTION nce: production:	2 3 	es from TR- book	50 	nt 0.9		
Total unit Cost/Hou Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROE Average push distar Unadjusted hourly p Materials consistence	ur: <u>\$321.6</u> bur: <u>\$643.2</u> <u>ANTITIES</u> <u>66,147</u> <u>1.115</u> 73,754 LCY l volume: l swell factor: <u>DUCTION</u> nce: production: cy description: ent: 0 %	2 3 3 <u>No chang</u> <u>Cat Hand</u> 175 feet 562.2 LCY/ <u>Compa</u>	es from TR- book	50 mbankme	nt 0.9		
Total unit Cost/Hou Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROE Average push distar Unadjusted hourly p Materials consistence Average push gradie	ur: $$321.6$ yar: $$643.2$ ANTITIES $66,147$ 1.115 $73,754$ LCY I volume: I swell factor: DUCTION nce: production: cy description: ent: $0 %$ e: $6,600$	2 3 3 <u>No chang</u> <u>Cat Hand</u> <u>175 feet</u> 562.2 LCY/ <u>Compa</u> feet	es from TR- book	50 	ent 0.9		
Total unit Cost/Hou Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated MOURLY PROD Average push distar Unadjusted hourly p Materials consistence Average push gradie Average site altitude	ur: \$321.6 pur: \$643.2 ANTITIES 66,147 1.115 73,754 LCY volume: swell factor: DUCTION nce: production: cy description: ent: 0 % e:	2 3 No chang Cat Hand 175 feet 562.2 LCY/ Compa feet	hr cted fill or er	50 mbankme	nt 0.9		
Total unit Cost/Hou Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROI Average push distar Unadjusted hourly p Materials consistence Average push gradie Average site altitude	ur: $$321.6$ yar: $$643.2$ ANTITIES 66,147 1.115 73,754 LCY I volume: I swell factor: DUCTION nce: production: cy description: ent: 0 % e. $6,600$	2 3 No chang Cat Hand 175 feet 562.2 LCY/ Compa feet lbs/LCY	hr cted fill or en	50 mbankme	ent 0.9		
Total unit Cost/Hou Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated MOURLY PROI Average push distar Unadjusted hourly p Materials consistence Average push gradie Average site altitude Material weight: Weight description:	ur: \$321.6 yar: \$643.2 ANTITIES 66,147 1.115 73,754 LCY I volume: 1 I swell factor: 0 DUCTION	2 3 No chang Cat Hand 175 feet 562.2 LCY/ Compa feet lbs/LCY Loam	hr cted fill or en	50 mbankme	ent 0.9		
Total unit Cost/Hou Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated MOURLY PROI Average push distar Unadjusted hourly p Materials consistence Average push gradie Average site altitude Material weight: Weight description: Job Condition Correct	ur: \$321.6 yar: \$643.2 ANTITIES 66,147 1.115 73,754 LCY 1 volume: 1 1 swell factor: 0 DUCTION	2 3 No chang Cat Hand 175 feet 562.2 LCY/ Compa feet lbs/LCY Loam	hr cted fill or en	50 mbankme	nt 0.9		
Total unit Cost/Hou Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated Average push distar Unadjusted hourly p Materials consistence Average push gradie Average site altitude Material weight: Weight description: Job Condition Correc Ope	ur: \$321.6 pur: \$643.2 ANTITIES 66,147 1.115 73,754 LCY 1 volume: 1 1 swell factor: 0 DUCTION	2 3 No chang Cat Hand 175 feet 562.2 LCY/ Compa feet lbs/LCY Loam 0.	es from TR- book hr cted fill or en	50 mbankme	nt 0.9		
Total unit Cost/Hou Total Fleet Cost/Ho MATERIAL QU Initial Volume:	ur: \$321.6 bur: \$643.2 ANTITIES 66,147 1.115 73,754 LCY I volume: I swell factor: DUCTION	2 3 No chang Cat Hand 175 feet 562.2 LCY/ Compa feet bs/LCY Loam 0. 0.	es from TR- book hr cted fill or en 	50 mbankme	nt 0.9 <u>Source</u> (AVG.) (CAT HB))		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.600	(FND-SF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.095	(CAT HB)
Blade type:	1.000	(PAT)
Net correction:	0.3681	
Adjusted unit production 20)6 95 LCY/hr	

Aujusicu unit production.	200.95 LC 1/III
Adjusted fleet production:	413.9 LCY/hr

Fleet size:	2 Dozer(s)
Unit cost:	\$1.554/LCY

Total job time:	178.19 Hours
Total job cost:	\$114,619

BULLDOZER RIPPING WORK

	Task description:	Decor	npact Process Pon	d				
Site	Site: Nahcolite Project		Permit Action: <u>TR-51</u>			Permit/Job#: M1983		ŧ
	PROJECT IDENT	FIFICATIO	<u>DN</u>					
	Task #: 03B Date: 4/14/20 8:53:01 User: ACY)25 AM	State: Color County: Rio B	ado Hanco	Abbi	reviation: Filename:	None M194-03b	
	Agency or o	organization 1	name: DRMS					
	HOURLY EQUIP	MENT CO	<u>ST</u>					
	Basic Mac	hine: Cat	D8T - 8SU		Horsepower:		310	
	Ripper Attacht	nent: <u>3-Sh</u>	ank Ripper		Shift Basis: Data Source:	1 p (0	er day CRG)	_
	Cost Breakdown:				Utilization %			
	0	wnership Co	st/Hour:	\$173.32 \$109.71	<u>NA</u> 100			
	Ripper O	wnership Co	st/Hour:	\$14.53	NA			
	Ripper (Operating Co	st/Hour:	\$7.95	100			
		Operator Co	st/Hour:	\$38.59	NA			
	Т	Cotal Unit Co	st/Hour:	\$344.10				
	T	otal Fleet Co	st/Hour:	\$688.19				
	MATERIAL QUA	NTITIES		Selected estimating	g method:Area	l		
	Alternate Methods:							
Seismic:	NA		Bank Volun	ne: NA	BCY		NA	
Area:	8.00	acres	Rip Depth (f	ft): <u>2.00</u>	Volume:	25,813	B	CY or CCY
	So	ource of estim	ated quantity: T	R-42				_
	HOURLY PROD	UCTION						
	Seismic:							
		S	eismic Velocity:	NA	feet/sec	ond		
	Area:							
		Average	Ripping Depth:	2.56	feet/pas	s		
		Average	Ripping Width:	7.08	feet/pas	s		
		Average	Ripping Length: _	100.00	feet/pas	S		
		Average	ge Dozer Speed	0.25	leet/lilli minutes	nass		
		Producti	on per unit area:	0.703	acres/hc	our		
	Job Condition Correc	tion Factors	·					
	Unadju	sted Hourly	Unit Production:	0.703	Acres/h	r		
			Site Altitude:	6,600	feet			
			Altitude Adj:	1.00	(CAT H	(B)		
			Job Efficiency:	0.83	(1 shift/	day)		
			Net Correction:	0.83	multipli	er		
		Adjusted I Adjusted H	Hourly Unit Product Iourly Fleet Product	tion: 0.58 tion: 1.17	Acres/hr Acres/hr			
	JOB TIME AND	COST						
	Fleet size:	2	Grader(s)	Total job tim	ne:	6.85	Hours	S
	Unit cost:\$	589.369	Per acre	Total job co	st:\$4	4,715		

BULLDOZER WORK

Task description:	Topso	il Process I	Pond				
Nahcolite Projec	t	Per	mit Action:	TR-51		Permit/Job#:	M1983194
PROJECT IDEN	TIFICATIO	<u>N</u>					
Task #: 03C		State:	Colorado			Abbreviation:	None
Date: 4/14/2	2025	County:	Rio Blanco)		Filename:	M194-03c
8:34:1	9 AM					-	
User: <u>ACY</u>							
Agency or	organization n	ame: DF	RMS				
HOURLY EQUI	PMENT CO	<u>ST</u>					
Basic Machine:	Cat D8T - 88	SU					
Horsepower:	310						
Blade Type:	Semi-Univer	sal					
Attachment:	NA						
Shift Basis:	1 per day						
Data Source:	(CKG)						
Cost Breakdown:			1				
Ownership Cost/II	~		\$172.20	<u>U</u>	tilization %		
Ownership Cost/H	our:		\$1/5.52 \$100.71		<u>NA</u> 100		
Ripper own Cost/H	our.		\$0.00		NA		
Ripper op. Cost/H	our:		\$0.00		0		
Operator Cost/H	our:		\$38.59		NA		
Total Fleet Cost/Hor MATERIAL QU Initial Volume:	ır: <u>\$643.2</u> <u>ANTITIES</u> 15 327	3					
Swell factor:	13,327 1.000 15 327 L CV						
	<u>13,527 LC 1</u>						
Source of estimated	volume:	19 ac @ (5" depth				
Source of estimated	swell factor:	Cat Hand	DOOK				
HOURLY PROD	UCTION						
Average push distan	ice.	150 feet					
Unadjusted hourly p	roduction:	534.3 LCY/	/hr				
Materials consistence	y description:	Loose	stockpile 1.2				
Average push gradie	ent: 0%						
	. <u>0,0001</u>						
Material weight:	1,6001	bs/LCY					
Weight description:	Top So	il					
Job Condition Corre	ction Factor			I.	Source		
Oper	ator Skill:	0.	750		(AVG.)		
Material co	msistency:	1.	200		(CAT HB)		
Dozin	ig method:	1.	.000		(GEN.)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)
Not opposition.	0.8502	

Adjusted unit production:	545.05 LCY/hr
Adjusted fleet production:	1090.1 LCY/hr

Fleet size:	2 Dozer(s)
Unit cost:	\$0.590/LCY

Total job time:	14.06 Hours
Total job cost:	\$9,044

REVEGETATION WORK

Task description:		Reveg Process Pond				
Site: Nahcolite Project		Permit Action	: <u>TR-51</u>	Permit/Jol	b#:M1983194	
PROJECT	<u> IDENTIFIC</u>	ATION				
Task #:	03D	State: Colorado)	Abbreviation:	None	
Date:	4/14/2025 8:47:26 AM	County: Rio Blan	со	Filename:	M194-03d	
User:	ACY					

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
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Weed control spraying (MEANS 31 31 16.13 3100)	\$338.80
Total Tilling Cost/Acre	\$456.41

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Alkali Sacaton	0.10	3.90	\$2.91
Crested Wheatgrass - Ephraim	4.00	18.37	\$21.97
Blue Wildrye - Arlington or Elkton	1.50	5.17	\$16.84
Russian Wildrye - Bozoisky	1.50	6.03	\$16.61
Hard Fescue - Discovery	1.00	12.97	\$4.44
Pubescent Wheatgrass - Luna	1.50	3.10	\$7.51
Yellow Sweet Clover - Madrid	0.50	2.98	\$2.26
Tall Wheatgrass - Jose	1.80	3.26	\$10.35

Thickspike Wheatgrass - Critana	4.30	15.20	\$35.04
Sweetvetch, Utah or Northern	0.10	0.05	\$8.95
Western Wheatgrass - Barton	1.50	3.79	\$14.09
Yarrow, Western	0.20	12.16	\$9.65
Totals Seed Mix	18.00	86.97	\$150.62

Application

Description		Cost /Acre
Drill Seeding (DRMS Survey Cost)		\$236.64
	Total Seed Application Cost/Acre	\$236.64

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - 2,4D @ 1.0 pt/ac	2.00	ACRE	\$4.13	\$8.25
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$492.78	\$985.56
Total Mulch Materials Cost/Acre				\$993.81

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$85.37
Power mulcher (MEANS 32 91 13.16 0350)		\$157.25
Weed spray, truck, non-aquatic area, nox. [DMG]		\$83.26
	Total Mulch Application Cost/Acre	\$325.89

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

Estimate	No. of Acres: ed Failure Rate:	<u>19</u> 30%	(Cost /Acre: Cost /Acre*:	\$2,163.37 \$2,163.37
*Selected Replanti	ng Work Items:	TILLING,SEEI	DING,MULCHING	ì	
Initial Job Cost:	\$41,104.03				
Reseeding Job Cost:	\$12,331.21				
Total Job Cost:	\$53,435				
Job Hours:	28.50				

BULLDOZER WORK

Task description:	Regra	de Plant A	rea			
Nahcolite Project		Peri	mit Action:	R-51	Permit/Job#:	M1983194
PROJECT IDENT	TIFICATIO	<u>N</u>				
Task #: 04A		State:	Colorado		Abbreviation:	None
Date: 4/14/202	25	County:	Rio Blanco		Filename:	M194-04a
$\frac{8:35:33}{\text{User:}}$	AM					
Agency or of	rganization n	ame: DR	MS			
HOURLY EOUIP	MENT CO	ST				
Basic Machine:	Cat D8T - 85	U				
Horsepower:	310					
Blade Type:	Semi-Univer	sal				
Attachment:	NA					
Shift Basis:	$\frac{1 \text{ per day}}{(CRG)}$					
Cost Breakdown:				Litilization %		
Ownership Cost/Hou	1 r .		\$173.32	NA		
Operating Cost/Hot	ır:		\$109.71	100		
Ripper own. Cost/Hou	ır:		\$0.00	NA		
Ripper op. Cost/Hou	ır:		\$0.00	0		
Operator Cost/Hou	ır:		\$38.59	NA		
Total Fleet Cost/Hour	: <u>\$643.2.</u> NTITIES	3				
Initial Volume: 1	3,229					
Swell factor: 1	.115 4 750 L CV					
Loose volume. <u>1</u>	4,750 LC I					
Source of estimated v	olume:	8.2 ac @	12"			
Source of estimated sy	well factor:	Cat Hand	book			
HOURLY PRODU	UCTION					
Average push distance		50 feet				
Unadjusted hourly pro	oduction: (534.3 LCY/	hr			
Materials consistency	description:	Compa	cted fill or emba	ankment 0.9		
Materials consistency Average push gradien Average site altitude:	description: t: <u>0 %</u> <u>6,600 f</u>	<u>Compa</u>	cted fill or emba	ankment 0.9		
Materials consistency Average push gradien Average site altitude: Material weight:	description: t: 0 % 6,600 f	Compa eet ps/LCY	cted fill or emba	ankment 0.9		
Materials consistency Average push gradien Average site altitude: Material weight: Weight description:	description: t: <u>0 %</u> <u>6,600 f</u> <u>2,100 ll</u> Earth -	<u>Compa</u> eet os/LCY Loam	cted fill or emba	ankment 0.9		
Materials consistency Average push gradien Average site altitude: Material weight: Weight description: Job Condition Correct	description: t: <u>0 %</u> <u>6,600 f</u> <u>2,100 ll</u> <u>Earth -</u> tion Factor	Compa eet os/LCY Loam	cted fill or emba	ankment 0.9 		
Materials consistency Average push gradien Average site altitude: Material weight: Weight description: Job Condition Correct Operation	description: t: <u>0 %</u> <u>6,600 f</u> <u>2,100 ll</u> <u>Earth -</u> tion Factor tor Skill:	_Compa eet os/LCY Loam 0.	cted fill or emba	ankment 0.9 <u>Source</u> (AVG.)		
Materials consistency Average push gradien Average site altitude: Material weight: Weight description: Job Condition Correct Operat Material con	description: t: <u>0 %</u> <u>6,600 f</u> <u>2,100 ll</u> <u>Earth -</u> tion Factor tor Skill: sistency:	_Compa eet os/LCY Loam 0. 0.	cted fill or emba	ankment 0.9 Source (AVG.) (CAT HB))		

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)

Adjusted unit production:	311.31 LCY/hr
Adjusted fleet production:	622.62 LCY/hr

Fleet size:	2 Dozer(s)
Unit cost:	\$1.033/LCY

Total job time:	23.69 Hours
Total job cost:	\$15,239

BULLDOZER RIPPING WORK

	. Decompact I funt fil cu				
Site: Nahcolite Pro	pject Permit Action	n: <u>TR-51</u>	Permi	t/Job#: <u>M1983194</u>	
PROJECT ID	ENTIFICATION				
Task #:04	B State: Colorad	0	Abbrevi	ation: <u>None</u>	
Date: $4/1$ User: ΔC	14/2025 County: Rio Blan 56:52 AM	nco	Filer	name: M194-04b	
Agency	v or organization name: DRMS				
HOURLY EO	UIPMENT COST				_
Basic	Machine: Cat D8T - 8SU		Horsepower:	310	
Ripper At	tachment: 3-Shank Ripper		Shift Basis:	1 per day	_
Cost Breakdown			Data Source.	(CKO)	_
Cost Bleakdown	<u> </u>		Utilization %		
	Ownership Cost/Hour:	\$173.32	<u>NA</u>		
Rinn	operating Cost/Hour:	\$109.71	 NA		
Rip	per Operating Cost/Hour:	\$7.95	100		
1	Operator Cost/Hour:	\$38.59	NA		
	Total Unit Cost/Hour:	\$344.10			
	Total Fleet Cost/Hour: \$	688.19			
MATERIAL (QUANTITIES S	elected estimating r	nethod: Area		
Alternate Metho	<u>ds:</u>	U			
nic: NA	Bank Volume:	: NA	BCY	NA	
nic: NA rea: 8.20	Bank Volume: acres Rip Depth (ft):	NA 2.00	BCY Volume: 26,4	NA 59 B	CY or
nic: <u>NA</u> rea: <u>8.20</u>	Bank Volume: acres Rip Depth (ft): Source of estimated quantity: TR-4	: <u>NA</u> 2.00 42	BCY Volume: 26,4	NA 59 B	CY or
hic: NA rea: 8.20	Bank Volume acres Rip Depth (ft): Source of estimated quantity: <u>TR-4</u>	: <u>NA</u> 2.00 42	BCY Volume: 26,4	NA 59 B	CY or
nic: <u>NA</u> rea: <u>8.20</u> <u>HOURLY PR</u>	Bank Volume acres Rip Depth (ft): Source of estimated quantity: <u>TR-4</u> ODUCTION	: <u>NA</u> 2.00 42	BCY Volume: 26,4	NA 59 B	CY or –
nic: <u>NA</u> eea: <u>8.20</u> <u>HOURLY PR</u> <u>Seismic:</u>	Bank Volume acres Rip Depth (ft): Source of estimated quantity: <u>TR-4</u> <u>ODUCTION</u> Seismic Velocity:	: <u>NA</u> 2.00 42 NA	BCY Volume: 26,4	<u>NA</u> 59 B	CY or
nic: <u>NA</u> rea: <u>8.20</u> <u>HOURLY PR</u> <u>Seismic:</u>	Bank Volume acres Rip Depth (ft): Source of estimated quantity: <u>TR-4</u> ODUCTION Seismic Velocity:	: <u>NA</u> 2.00 42 NA	BCY Volume: 26,4	<u>NA</u> 59 B	CY or
nic: <u>NA</u> rea: <u>8.20</u> HOURLY PR Seismic: <u>Area:</u>	Bank Volume acres Rip Depth (ft): Source of estimated quantity: <u>TR-4</u> ODUCTION Seismic Velocity: Average Ripping Depth:	NA 2.00 42 NA 2.56	BCY Volume: 26,4	<u>NA</u> 59 B	CY or -
nic: <u>NA</u> rea: <u>8.20</u> <u>HOURLY PR</u> <u>Seismic:</u> <u>Area:</u>	Bank Volume acres Rip Depth (ft): Source of estimated quantity: <u>TR-4</u> ODUCTION Seismic Velocity: Average Ripping Depth: Average Ripping Width:	: <u>NA</u> 2.00 42 <u>NA</u> <u>2.56</u> 7.08	BCY Volume: 26,4 feet/second feet/pass feet/pass	<u>NA</u> 59 B	CY or
nic: <u>NA</u> rea: <u>8.20</u> <u>HOURLY PR</u> <u>Seismic:</u> <u>Area:</u>	acres Bank Volume: acres Rip Depth (ft): Source of estimated quantity: ODUCTION Seismic Velocity: Average Ripping Depth: Average Ripping Width: Average Ripping Length:	: <u>NA</u> 2.00 42 <u>NA</u> 2.56 7.08 100.00	BCY Volume: 26,4 feet/second feet/pass feet/pass feet/pass	<u>NA</u> 59 B	CY or
nic: <u>NA</u> rea: <u>8.20</u> <u>HOURLY PR</u> <u>Seismic:</u> <u>Area:</u>	acres Bank Volume: acres Rip Depth (ft): Source of estimated quantity: ODUCTION Seismic Velocity: Average Ripping Depth: Average Ripping Width: Average Ripping Length: Average Dozer Speed:	: <u>NA</u> 2.00 42 <u>NA</u> <u>2.56</u> 7.08 100.00 88.00	BCY Volume: 26,4 feet/second feet/pass feet/pass feet/pass feet/pass feet/minute	<u>NA</u> 59 B	CY or
nic: <u>NA</u> rea: <u>8.20</u> HOURLY PR <u>Seismic:</u> <u>Area:</u>	Bank Volume acres Rip Depth (ft): Source of estimated quantity: <u>TR-4</u> <u>ODUCTION</u> Seismic Velocity: <u></u> Average Ripping Depth: <u></u> Average Ripping Length: <u></u> Average Ripping Length: <u></u> Average Dozer Speed: <u></u> Average Maneuver Time: <u></u>	$ \begin{array}{r} $	BCY Volume: 26,4 feet/second feet/pass feet/pass feet/pass feet/pass feet/pass feet/pass	<u>NA</u> 59 B	CY or
nic: <u>NA</u> rea: <u>8.20</u> <u>HOURLY PR</u> <u>Seismic:</u> <u>Area:</u>	Bank Volume: acres Rip Depth (ft): Source of estimated quantity: TR-4 ODUCTION Seismic Velocity: Average Ripping Depth:	: <u>NA</u> 2.00 42 <u>NA</u> 2.56 7.08 100.00 88.00 0.25 0.703	BCY Volume: 26,4 feet/second feet/pass feet/pass feet/pass feet/pass feet/pass feet/pass acres/hour	NA 59 B	CY or
nic: <u>NA</u> rea: <u>8.20</u> <u>HOURLY PR</u> <u>Seismic:</u> <u>Area:</u> <u>Job Condition C</u>	Bank Volume: acres Rip Depth (ft): Source of estimated quantity: TR ODUCTION Seismic Velocity: Average Ripping Depth:	$ \begin{array}{r} $	BCY Volume: 26,4 feet/second feet/pass feet/pass feet/pass feet/pass feet/pass acres/hour	<u>NA</u> 59 B	<u>CY</u> or −
nic: <u>NA</u> rea: <u>8.20</u> <u>HOURLY PR</u> <u>Seismic:</u> <u>Area:</u> <u>Job Condition Cu</u> Ur	Bank Volume: acres Rip Depth (ft): Source of estimated quantity: TR ODUCTION Seismic Velocity: Average Ripping Depth:	NA 2.00 42 NA 2.56 7.08 100.00 88.00 0.25 0.703	BCY Volume: 26,4 feet/second feet/pass feet/pass feet/pass feet/pass feet/pass feet/pass acres/hour Acres/hr	<u>NA</u> 59 B	CY or _
nic: <u>NA</u> rea: <u>8.20</u> <u>HOURLY PR</u> <u>Seismic:</u> <u>Area:</u> <u>Job Condition Cr</u> Ur	Bank Volume: acres Rip Depth (ft): Source of estimated quantity: TR ODUCTION Seismic Velocity: Average Ripping Depth:	NA 2.00 42 NA 2.56 7.08 100.00 88.00 0.25 0.703 0.703 6,600	BCY Volume: 26,4 feet/second feet/pass feet/pass feet/pass feet/minute minutes/pas acres/hour Acres/hr feet	<u>NA</u> 59 B	<u>CY</u> or −
nic: <u>NA</u> rea: <u>8.20</u> HOURLY PR <u>Seismic:</u> <u>Area:</u> Job Condition Cu	Bank Volume: acres Rip Depth (ft): Source of estimated quantity: TR ODUCTION Seismic Velocity: Average Ripping Depth:	NA 2.00 42 NA 2.56 7.08 100.00 88.00 0.25 0.703 0.703 6,600 1.00	BCY Volume: 26,4 feet/second feet/pass feet/pass feet/pass feet/pass feet/pass feet/pass feet/pass feet/pass feet/hour Acres/hr feet (CAT HB)	<u>NA</u> 59 B	CY or -
nic: <u>NA</u> rea: <u>8.20</u> HOURLY PR Seismic: <u>Area:</u> Job Condition Cr Ur	Bank Volume acres Rip Depth (ft): Source of estimated quantity: TR ODUCTION Seismic Velocity: Average Ripping Depth:	$ \begin{array}{r} & \underline{NA} \\ \hline 2.00 \\ \hline 42 \\ \hline \\ 42 \\ \hline \\ & \underline{NA} \\ \hline \\ & \underline{2.56} \\ \hline 7.08 \\ \hline 100.00 \\ \hline 88.00 \\ \hline 0.25 \\ \hline 0.703 \\ \hline \\ & 0.703 \\ \hline \\ \hline \\ & 0.83 \\ \hline \end{array} $	BCY Volume: 26,4 feet/second feet/pass feet for feet feet (CAT HB) (1 shift/day]	<u>NA</u> 59 B s	<u>C</u> Y or −
nic: <u>NA</u> rea: <u>8.20</u> HOURLY PR Seismic: Area: Job Condition Co Ur	acres Bank Volume: Rip Depth (ft): Source of estimated quantity:	$ \begin{array}{r} & \underline{NA} \\ \hline 2.00 \\ 42 \\ \hline 42 \\ \hline \\ & \underline{NA} \\ \hline \\ & 2.56 \\ \hline 7.08 \\ \hline 100.00 \\ \hline 88.00 \\ \hline 0.25 \\ \hline 0.703 \\ \hline \\ 0.83 \\ \hline \\ 0.83 \\ \hline \end{array} $	BCY Volume: 26,4 feet/second feet/pass feet/pass feet/pass feet/pass feet/pass feet/pass feet/minute minutes/pas acres/hour Acres/hr feet (CAT HB) (1 shift/day) multiplier	<u>NA</u> 59 B	<u>CY</u> or −
nic: <u>NA</u> rea: <u>8.20</u> HOURLY PR <u>Seismic:</u> <u>Area:</u> Job Condition Cr Ur	Bank Volume: acres Rip Depth (ft): Source of estimated quantity: TR ODUCTION Seismic Velocity: Average Ripping Depth:	$\begin{array}{c} & \underline{NA} \\ \hline 2.00 \\ \hline 42 \\ \hline \\ 42 \\ \hline \\ 42 \\ \hline \\ 100.00 \\ \hline \\ 88.00 \\ \hline \\ 0.25 \\ \hline \\ 0.703 \\ \hline \\ 0.83 \\ \hline \\ 0.83 \\ \hline \\ n: 0.58 \\ \hline \end{array}$	BCY Volume: 26,4 feet/second feet/pass feet/pass feet/pass feet/pass feet/pass feet/minute minutes/pas acres/hour Acres/hr feet (CAT HB) (1 shift/day multiplier Acres/hr	<u>NA</u> 59 B	CY or
nic: <u>NA</u> rea: <u>8.20</u> HOURLY PR Seismic: Area: Job Condition Co Ur	acres Bank Volume: Rip Depth (ft): Source of estimated quantity:	$\begin{array}{c c} & NA \\ \hline 2.00 \\ \hline 42 \\ \hline \\ 660 \\ \hline \\ 0.25 \\ \hline \\ 0.703 \\ \hline 0.703 $	BCY Volume: 26,4 feet/second feet/pass feet/pass feet/pass feet/pass feet/minute minutes/pas acres/hour Acres/hr feet (CAT HB) (1 shift/day) multiplier Acres/hr Acres/hr	<u>NA</u> 59 B	-
nic: NA rea: 8.20 HOURLY PR Seismic: Area: Job Condition C Ur	acres Bank Volume: Rip Depth (ft): Source of estimated quantity:	$\begin{array}{c} & \underline{NA} \\ \hline 2.00 \\ \hline 42 \\ \hline \\ 42 \\ \hline \\ 42 \\ \hline \\ 100.00 \\ \hline \\ 88.00 \\ \hline \\ 0.25 \\ \hline \\ 0.703 \\ \hline 0.703 \\$	BCY Volume: 26,4 feet/second feet/pass feet (CAT HB) (1 shift/day] multiplier	<u>NA</u> 59 B	CY or (
nic: NA rea: 8.20 HOURLY PR Seismic: Area: Job Condition C Ur JOB TIME AI Fleet size:	Bank Volume: acres Rip Depth (ft): Source of estimated quantity: TR ODUCTION Seismic Velocity: Average Ripping Depth:	$\begin{array}{r} & \underline{NA} \\ \hline 2.00 \\ \hline 42 \\ \hline \\ & \underline{NA} \\ \hline \\ & \underline{2.56} \\ \hline 7.08 \\ \hline 100.00 \\ \hline 88.00 \\ \hline 0.25 \\ \hline 0.703 \\ \hline \\ 0.703 \\ \hline 0.703 \\ \hline \\ 0.703 \\ \hline $	BCY Volume: 26,4 feet/second feet/pass feet/pass feet/pass feet/pass feet/pass feet/pass feet/minute minutes/pas acres/hour Acres/hr feet (CAT HB) (1 shift/day multiplier Acres/hr Acres/hr Acres/hr	<u>NA</u> 59 B s)) Hours	<u>CY</u> or (-

BULLDOZER WORK

Task description:	Topsoil Plant Ar	ea			
Nahcolite Project	Per	mit Action:	TR-51	Permit/Job#:	M1983194
PROJECT IDENTI	FICATION				
Task #:04C	State:	Colorado		Abbreviation:	None
Date: 4/14/2025	6 County:	Rio Blanco)	Filename:	M194-04c
User: ACY				-	
Agency or org	anization name: DF	RMS			
HOURLY EQUIPM	ENT COST				
Basic Machine: Ca	at D8T - 8SU				
Horsepower: 31	10				
Blade Type: Se	emi-Universal		_		
Attachment: N	A				
Shift Basis: <u>1</u> Data Source: (C	per day CRG)				
Cost Breakdown:	(10)				
COSt Divardo WII.			Utilization %		
Ownership Cost/Hour:		\$173.32	NA		
Operating Cost/Hour:		\$109.71	100		
Ripper own. Cost/Hour:		\$0.00	NA		
Ripper op. Cost/Hour:		\$0.00	0		
Operator Cost/Hour:		\$38.59	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour:	\$321.62 \$643.23				
MATERIAL QUAN	<u>TITIES</u>				
Initial Volume: 6,6	15				
Swell factor: <u>1.0</u>	00				
Loose volume: 6,6	IS LCY				
Source of estimated volu	ume: 8.2 ac @	6" depth			
Source of estimated swe	ell factor: Cat Hand	book			
HOURLY PRODUC	<u>2110N</u>				
Average push distance:	150 feet	4			
Unadjusted hourly prod	uction: $634.3 LCY$	hr			
Materials consistency de	escription: Loose	stockpile 1.2			
Average push gradient:	0 %				
Average site altitude:	6,600 feet				
Material weight:	1,600 lbs/LCY				
Weight description:	Top Soil				
Job Condition Correctio	on Factor		Source		
Operator	r Skill: 0.	750	(AVG.)		
Material consis	stency: 1.	200	(CAT HB)		
Doring	athod: 1	000	(GEN)		

Task # 04C

2	0.800	(POOR)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Adjusted unit production:	430.08 LC 1/hr
Adjusted fleet production:	872.16 LCY/hr

Fleet size:	2 Dozer(s)
Unit cost:	\$0.738/LCY

Total job time:	7.58 Hours
Total job cost:	\$4,879

REVEGETATION WORK

Task descrip	otion:	Reveg Plant Are	a			
te: Nahcolite Project		Permit Action: TR-51		Permit/Jol	Permit/Job#: M1983194	
PROJECT	IDENTIFIC	<u>ATION</u>				
Task #:	04D	State:	Colorado	Abbreviation:	None	
Date:	4/14/2025 8:48:44 AM	County:	Rio Blanco	Filename:	M194-04d	

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
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Weed control spraying (MEANS 31 31 16.13 3100)	\$338.80
Total Tilling Cost/Acre	\$456.41

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Alkali Sacaton	0.10	3.90	\$2.91
Crested Wheatgrass - Ephraim	4.00	18.37	\$21.97
Blue Wildrye - Arlington or Elkton	1.50	5.17	\$16.84
Russian Wildrye - Bozoisky	1.50	6.03	\$16.61
Hard Fescue - Discovery	1.00	12.97	\$4.44
Pubescent Wheatgrass - Luna	1.50	3.10	\$7.51
Yellow Sweet Clover - Madrid	0.50	2.98	\$2.26
Tall Wheatgrass - Jose	1.80	3.26	\$10.35

Thickspike Wheatgrass - Critana	4.30	15.20	\$35.04
Sweetvetch, Utah or Northern	0.10	0.05	\$8.95
Western Wheatgrass - Barton	1.50	3.79	\$14.09
Yarrow, Western	0.20	12.16	\$9.65
Totals Seed Mix	18.00	86.97	\$150.62

Application

Description	Cost /Acre
Drill Seeding (DRMS Survey Cost)	\$236.64
Total Seed Application Cost/Acre	\$236.64

MULCHING and MISCELLANEOUS

Materials

	Units /			
Description	Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - 2,4D @ 1.0 pt/ac	2.00	ACRE	\$4.13	\$8.25
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$492.78	\$985.56
Total Mulch Materials Cost/Acre				\$993.81

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$85.37
Power mulcher (MEANS 32 91 13.16 0350)		\$157.25
Weed spray, truck, non-aquatic area, nox. [DMG]		\$83.26
	Total Mulch Application Cost/Acre	\$325.89

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

Estimate	No. of Acres: ed Failure Rate:	8.2 30%	C	Cost /Acre: ost /Acre*:	\$2,163.37 \$2,163.37
*Selected Replanti	ng Work Items:	TILLING,SEED	ING,MULCHING		
Initial Job Cost:	\$17,739.63		,		
Reseeding Job Cost:	\$5,321.89	;			
Total Job Cost:	\$23,062				
Job Hours:	12.30				

BULLDOZER WORK

Task description:	Regrade Wenra	ab			
Nahcolite Project	Peri	mit Action:	TR-51	Permit/Job#:	M1983194
PROJECT IDENTIF	ICATION				
Task #: 05A	State:	Colorado		Abbreviation:	None
Date: 4/14/2025	County:	Rio Blanco	0	Filename:	M194-05a
8:38:16 AN	1			-	
User: <u>AC I</u>					
Agency or organ	nization name: DR	RMS			
HOURLY EQUIPME	<u>ENT COST</u>				
Basic Machine: Cat	D8T - 8SU				
Horsepower: 310)				
Blade Type: Sen	ni-Universal				
Attachment: NA					
Shift Basis: <u>1 pe</u>	er day				
Data Source: (CR	RG)				
Cost Breakdown:		1			
		* • = = = =	Utilization %		
Ownership Cost/Hour:		\$173.32	NA		
Operating Cost/Hour:		\$109.71	100		
Ripper own. Cost/Hour:		\$0.00	NA		
Ripper op. Cost/Hour:		\$0.00	0		
			37.4		
Operator Cost/Hour:		\$38.59	NA		
Operator Cost/Hour: Total unit Cost/Hour:	\$321.62	\$38.39	NA		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour:	\$321.62 \$643.23	\$38.59	NA		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour:	\$321.62 \$643.23	\$38.39	NA		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT	\$321.62 \$643.23 TTIES	\$38.39	NA		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUANT</u> Initial Volume: <u>164</u> ,	\$321.62 \$643.23 TTIES 237	\$38.39	NA		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUANT</u> Initial Volume: <u>164,</u> Swell factor: <u>1.11</u>	\$321.62 \$643.23 TTIES 237 5	\$38.39	NA		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 164,, Swell factor: 1.111 Loose volume: 183,	\$321.62 \$643.23 TTIES 237 5 124 LCY	\$38.39	NA		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 164, Swell factor: 1.11 Loose volume: 183, Source of estimated volur	\$321.62 \$643.23 TTIES 237 5 124 LCY me: 50.9 ac of	\$38.39	 		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 164,, Swell factor: 1.11; Loose volume: 183, Source of estimated volur Source of estimated swell	\$321.62 \$643.23 TTIES 237 5 124 LCY me: 50.9 ac of 1 factor: Cat Hand	\$38.39	 24" depth		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 164,, Swell factor: 1.11: Loose volume: 183, Source of estimated volur Source of estimated swell	\$321.62 \$643.23 TTIES 237 5 124 LCY me: 50.9 ac of 1 factor: Cat Hand	\$38.39	 24" depth		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 164, Swell factor: 1.11: Loose volume: 183, Source of estimated volur Source of estimated swell HOURLY PRODUCT	\$321.62 \$643.23 TTIES 237 5 124 LCY me: 50.9 ac of 1 factor: Cat Hand FION	\$38.39	 24" depth		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 164, Swell factor: 1.11 Loose volume: 183, Source of estimated volur Source of estimated swell HOURLY PRODUCT	\$321.62 \$643.23 TTIES 237 5 124 LCY me: 50.9 ac of 1 factor: Cat Hand FION 75 foot	\$38.39	 24" depth		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 164,7 Swell factor: 1.113 Loose volume: 183,2 Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly produc	$ \frac{$321.62}{$643.23} $ TTIES 237 5 124 LCY me: 50.9 ac of 1 factor: Cat Hand TION $ \frac{75 \text{ feet}}{1.017.1 \text{ LCY}} $	538.39	 24" depth		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 164,, Swell factor: 1.11: Loose volume: 183, Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product	\$321.62 \$643.23 TTIES 237 5 124 LCY me: 50.9 ac of Cat Hand TION Cat Hand Cat Hand Ca	\$38.39	 24" depth		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 164,, Swell factor: 1.11: Loose volume: 183, Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product	\$321.62 \$643.23 TTIES 237 5 124 LCY me: 50.9 ac of 1 factor: Cat Hand TION Cat Hand CION Cat Hand CION Compa	\$38.39	 24" depth mbankment 0.9		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 164,7 Swell factor: 1.11 Loose volume: 183,7 Source of estimated volur Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly produc Materials consistency des Average push gradient:	\$321.62 \$643.23 TTIES 237 5 124 LCY me: 50.9 ac of 1 factor: Cat Hand FION Cat Hand Cat Hand Ca	\$38.39	 24" depth mbankment 0.9		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 164,, Swell factor: 1.11: Loose volume: 183, Source of estimated volur Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly produc Materials consistency des Average push gradient: Average site altitude:	\$321.62 \$643.23 TTIES 237 5 124 LCY me: 50.9 ac of 1 factor: Cat Hand Cat Hand Constant 1,017.1 LC Scription: Compa 0 % 6.600 feet	538.39	 24" depth mbankment 0.9		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 164,, Swell factor: 1.11: Loose volume: 183, Source of estimated volur Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly produc Materials consistency des Average push gradient: Average site altitude:	$ \frac{\$321.62}{\$643.23} $ TTIES 237 5 124 LCY me:50.9 ac of 1 factor:Cat Hand TION CHON CTION Ction:75 feet ction:1017.1 LC corription:Compa $ \frac{0 \%}{6,600 \text{ feet}} $	538.39	 24" depth mbankment 0.9		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 164,, Swell factor: 1.11: Loose volume: 183, Source of estimated volur Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly produc Materials consistency des Average push gradient: Average site altitude: Material weight:	\$321.62 \$643.23 TTIES 237 5 124 LCY me: 50.9 ac of 1 factor: Cat Hand ClON ction: 75 feet 1,017.1 LC scription: Compa 0 % 6,600 feet 2,100 lbs/LCY	\$38.39	 24" depth mbankment 0.9		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 164,, Swell factor: 1.11: Loose volume: 183, Source of estimated volur Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly produc Materials consistency des Average push gradient: Average site altitude: Material weight: Weight description:	\$321.62 \$643.23 TTIES 237 5 124 LCY me: 50.9 ac of 1 factor: Cat Hand Cat Hand Constant 1,017.1 LC scription: Compa 0 % 6,600 feet 2,100 lbs/LCY Earth - Loam	\$38.39	 24" depth mbankment 0.9		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: <u>164,</u> Swell factor: <u>1.11:</u> Loose volume: <u>183,</u> Source of estimated volur Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency des Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction	\$321.62 \$643.23 TTIES 237 5 124 LCY me: 50.9 ac of 1 factor: Cat Hand Constant 1 factor: 75 feet ction: 1,017.1 LC scription: Compa 0 % 6,600 feet 2,100 lbs/LCY Earth - Loam Factor Factor	\$38.39	 24" depth mbankment 0.9		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: <u>164,</u> Swell factor: <u>1.11</u> : Loose volume: <u>183,</u> Source of estimated volur Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly produc Materials consistency des Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operator S	\$321.62 \$643.23 TTIES 237 5 124 LCY me: 50.9 ac of 1 factor: Cat Hand Cat Hand Compa 0 % 6,600 feet 2,100 lbs/LCY Earth - Loam Factor Skill: 0.	\$38.39			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: <u>164,</u> Swell factor: <u>1.11</u> : Loose volume: <u>183,</u> Source of estimated volur Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly produc Materials consistency des Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operator S Material consistency	\$321.62 \$643.23 TTIES 237 5 124 LCY me: 50.9 ac of l factor: Cat Hand Cat Hand Compa 0 % 6,600 feet 2,100 lbs/LCY Earth - Loam Factor Skill: 0. ency: 0.	\$38.39	 24" depth mbankment 0.9 mbankment 0.9		

1 0 0 0	
1.000	(AVG.)
0.830	(1 SHIFT/DAY)
0.800	(FND-RF)
1.000	(CAT HB)
1.000	(CAT HB)
1.095	(CAT HB)
1.000	(PAT)
0.4908	
0.4908	
	1.000 0.830 0.800 1.000 1.000 1.095 1.000 0.4908

j	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Adjusted fleet production:	998.38 LCY/hr

Fleet size:	2 Dozer(s)
Unit cost:	\$0.644/LCY

Total job time:	183.42 Hours
Total job cost:	\$117,982

Page 1 of 2

BULLDOZER WORK

гг	Topsoil Wel	I Pads			
Nahcolite Project		Permit Action:	FR-51	Permit/Job#:	M1983194
PROJECT IDENTI	FICATION				
Task #: 05B	St	ate: Colorado		Abbreviation:	None
Date: 4/14/2025	Cou	nty: Rio Blanco		Filename:	M194-05b
<u>8:39:14 A</u>	M				
User: <u>ACY</u>					
Agency or orga	anization name:	DRMS			
HOURLY EQUIPM	ENT COST				
Basic Machine: Ca	at D8T - 8SU				
Horsepower: 31	0		-		
Blade Type: Se	emi-Universal		-		
Attachment: N	A		-		
Shift Basis: 1	per day		-		
Data Source: (C	CRG)		-		
Cost Breakdown:		I			
		¢172.22	Utilization %		
Ownership Cost/Hour:		\$173.32	NA 100		
Operating Cost/Hour:		\$109.71	100		
Ripper own. Cost/Hour:		\$0.00	NA		
Ripper op. Cost/Hour:		\$0.00	0		
Operator Cost/Hour:		\$38.59	NA		
Total unit Cost/Hour:	\$321.62				
Total Fleet Cost/Hour:	\$643.23				
MATERIAL QUAN	<u>TITIES</u>				
Initial Volume: 41,	059				
Initial Volume: 41, Swell factor: 1.0	059 00				
Initial Volume:41,Swell factor:1.0Loose volume:41,	059 00 059 LCY				
Initial Volume: 41, Swell factor: 1.0 Loose volume: 41,	059 00 059 LCY	ac @ 6" denth			
Initial Volume: 41, Swell factor: 1.0 Loose volume: 41, Source of estimated volu	059 00 059 LCY 1me: 50.9	ac @ 6" depth			
Initial Volume:41,Swell factor:1.0Loose volume:41,Source of estimated voluSource of estimated swell	059 00 059 LCY ume: <u>50.9</u> Il factor: <u>Cat</u>	ac @ 6" depth Handbook			
Initial Volume: 41, Swell factor: 1.0 Loose volume: 41, Source of estimated volu Source of estimated swe	059 00 059 LCY ume: <u>50.9</u> Ill factor: <u>Cat</u>	ac @ 6" depth Handbook			
Initial Volume: 41, Swell factor: 1.0 Loose volume: 41, Source of estimated volu Source of estimated swe HOURLY PRODUC	059 00 059 LCY 1me: 50.9 1ll factor: <u>Cat</u>	ac @ 6" depth Handbook			
Initial Volume: 41, Swell factor: 1.0 Loose volume: 41, Source of estimated volu Source of estimated swe HOURLY PRODUC Average push distance:	059 00 059 LCY ume: 50.9 Il factor: Cat TION 	ac @ 6" depth Handbook			
Initial Volume: 41, Swell factor: 1.0 Loose volume: 41, Source of estimated volu Source of estimated swee HOURLY PRODUC Average push distance: Unadjusted hourly produ	059 00 059 LCY ume: <u>50.9</u> ull factor: <u>Cat</u> CTION <u>150 fe</u> uction: <u>634.3</u>	ac @ 6" depth Handbook et LCY/hr			
Initial Volume: 41, Swell factor: 1.0 Loose volume: 41, Source of estimated volu Source of estimated swee HOURLY PRODUC Average push distance: Unadjusted hourly produ	059 00 059 LCY ume: <u>50.9</u> 11 factor: <u>Cat</u> 2 2 2 2 3 5 5 6 3 4.3 1 50 fea 6 3 4.3 1 50 fea 6 3 4.3 1 2 5 5 9 9 1 5 9 9 1 5 9 9 1 5 9 9 1 2 1 5 9 9 1 1 5 9 9 1 2 1 1 1 1 5 9 9 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ac @ 6" depth Handbook et LCY/hr pose stockpile 1.2			
Initial Volume: 41, Swell factor: 1.0 Loose volume: 41, Source of estimated volu Source of estimated swee HOURLY PRODUC Average push distance: Unadjusted hourly produced Materials consistency de	059 00 059 LCY ume: <u>50.9</u> Il factor: <u>Cat</u> CTION uction: <u>150 fee</u> 634.3 I escription: <u>Le</u>	ac @ 6" depth Handbook et LCY/hr pose stockpile 1.2			
Initial Volume: 41, Swell factor: 1.0 Loose volume: 41, Source of estimated volu Source of estimated swee HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient:	$\begin{array}{r} 059\\ 00\\ \hline 00\\ \hline 059 LCY\\ \hline 059 LCY\\ \hline 059 LCY\\ \hline 0.59\\ \hline 0.59\\$	ac @ 6" depth Handbook et LCY/hr pose stockpile 1.2			
Initial Volume: 41, Swell factor: 1.0 Loose volume: 41, Source of estimated volu Source of estimated swee HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude:	$\begin{array}{r} 059\\ 00\\ \hline 00\\ \hline 059 LCY\\ \hline 059 LCY\\ \hline 059 LCY\\ \hline 0.9\\ \hline 0$	ac @ 6" depth Handbook et LCY/hr pose stockpile 1.2			
Initial Volume: 41, Swell factor: 1.0 Loose volume: 41, Source of estimated volu Source of estimated swee HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude: Material weight:	$\begin{array}{r} 059 \\ 00 \\ \hline 00 \\ \hline 059 LCY \\ \hline 059 LCY \\ \hline 059 LCY \\ \hline 0.9 \\ 0$	ac @ 6" depth Handbook et LCY/hr bose stockpile 1.2			
Initial Volume: 41, Swell factor: 1.0 Loose volume: 41, Source of estimated volu Source of estimated swee HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description:	059 00 059 LCY Ime: <u>50.9</u> 11 factor: <u>Cat</u> 2 2 2 2 150 fer 634.3 1 escription: <u>Lo</u> <u>0 %</u> <u>6,600 feet</u> <u>1,600 lbs/LC</u> Top Soil	ac @ 6" depth Handbook et LCY/hr bose stockpile 1.2			
Initial Volume: 41, Swell factor: 1.0 Loose volume: 41, Source of estimated volu Source of estimated swee HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correctio	059 00 059 LCY 11 factor: 50.9 11 factor: Cat 1 CTION 2 TION 2 Cat 1 2 Cat 1	ac @ 6" depth Handbook et LCY/hr pose stockpile 1.2			
Initial Volume: 41, Swell factor: 1.0 Loose volume: 41, Source of estimated volu Source of estimated swe HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operator	059 00 059 LCY 1me:	ac @ 6" depth Handbook et LCY/hr pose stockpile 1.2 Y 0.750			
Initial Volume: 41, Swell factor: 1.0 Loose volume: 41, Source of estimated volu Source of estimated swee HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operator Material consist	059 00 059 LCY Ime: <u>50.9</u> 11 factor: <u>Cat</u> 2 2 2 2 150 fea <u>50.9</u> Cat 2 2 2 150 fea <u>634.3</u> 2 2 2 2 2 2 2 2 2 2 2 2 2	ac @ 6" depth Handbook et LCY/hr bose stockpile 1.2 Y 0.750 1.200			

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)
Net correction:	0.8593	
sted unit production: 54	5.05 LCY/hr	

Adjusted unit production:	545.05 LCY/hr
Adjusted fleet production:	1090.1 LCY/hr

Fleet size:	2 Dozer(s)
Unit cost:	\$0.590/LCY

Total job time:	37.67 Hours
Total job cost:	\$24,228

REVEGETATION WORK

ption:	Reveg Well Pads	1		
e: Nahcolite Project		Permit Action: TR-51		o#: <u>M1983194</u>
<u>'IDENTIFIC</u>	ATION			
05C 4/14/2025	State: County:	Colorado Rio Blanco	Abbreviation: Filename:	None M194-05c
8:50:13 AM ACY				
	ption: <u>e Project</u> <u>IDENTIFIC</u> <u>05C</u> <u>4/14/2025</u> <u>8:50:13 AM</u> ACY	ption: <u>Reveg Well Pads</u> <u>e Project</u> Per <u>IDENTIFICATION</u> <u>05C</u> State: <u>4/14/2025</u> County: <u>8:50:13 AM</u> ACY	ption: <u>Reveg Well Pads</u> <u>e Project</u> Permit Action: <u>TR-51</u> <u>IDENTIFICATION</u> <u>05C</u> State: <u>Colorado</u> <u>4/14/2025</u> County: Rio Blanco <u>8:50:13 AM</u> ACY	ption: <u>Reveg Well Pads</u> <u>e Project</u> Permit Action: <u>TR-51</u> Permit/Job <u>IDENTIFICATION</u> <u>05C</u> State: <u>Colorado</u> Abbreviation: <u>4/14/2025</u> County: Rio Blanco Filename: <u>8:50:13 AM</u> <u>ACY</u>

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
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Weed control spraying (MEANS 31 31 16.13 3100)	\$338.80
Total Tilling Cost/Acre	\$456.41

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Alkali Sacaton	0.10	3.90	\$2.91
Crested Wheatgrass - Ephraim	4.00	18.37	\$21.97
Blue Wildrye - Arlington or Elkton	1.50	5.17	\$16.84
Russian Wildrye - Bozoisky	1.50	6.03	\$16.61
Hard Fescue - Discovery	1.00	12.97	\$4.44
Pubescent Wheatgrass - Luna	1.50	3.10	\$7.51
Yellow Sweet Clover - Madrid	0.50	2.98	\$2.26
Tall Wheatgrass - Jose	1.80	3.26	\$10.35

Thickspike Wheatgrass - Critana	4.30	15.20	\$35.04
Sweetvetch, Utah or Northern	0.10	0.05	\$8.95
Western Wheatgrass - Barton	1.50	3.79	\$14.09
Yarrow, Western	0.20	12.16	\$9.65
Totals Seed Mix	18.00	86.97	\$150.62

Application

Description	Cost /Acre
Drill Seeding (DRMS Survey Cost)	\$236.64
Total Seed Applicati	ion Cost/Acre \$236.64

MULCHING and MISCELLANEOUS

Materials

	Units /			
Description	Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - 2,4D @ 1.0 pt/ac	2.00	ACRE	\$4.13	\$8.25
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$492.78	\$985.56
Total Mulch Materials Cost/Acre				\$993.81

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$85.37
Power mulcher (MEANS 32 91 13.16 0350)		\$157.25
Weed spray, truck, non-aquatic area, nox. [DMG]		\$83.26
	Total Mulch Application Cost/Acre	\$325.89

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

Estimate	No. of Acres: ed Failure Rate:	50.9 30%	_ Cost /Ac Cost /Acre	re: _	\$2,163.37 \$2,163.37
*Selected Replanti	ng Work Items:	TILLING,SEEDI	NG,MULCHING		
Initial Job Cost:	\$110,115.53				
Reseeding Job Cost:	\$33,034.66				
Total Job Cost:	\$143,150				
Job Hours:	66.00				

BULLDOZER RIPPING WORK

	Task description:	Dee	compact Roads	5				
Site:	Nahcolite Pro	ject	Perm	nit Action:	TR-51	F	Permit/Job#:	M1983194
	PROJECT ID	ENTIFICAT	ION					
	Task #: 06. Date: 4/1 8:5 000000000000000000000000000000000000	A 4/2025 7:37 AM 2Y	State: County:	Colorado Rio Blanco		Abl	Filename:	None M194-06a
	Agency	or organizatio	n name: DR	MS				
	HOURLY EQ	UIPMENT (COST					
	Basic Ripper Att	Machine: <u>C</u> achment: <u>3</u> -	at D8T - 8SU Shank Ripper		_	Horsepower: Shift Basis: Data Source:	1 p (0	310 er day CRG)
	Cost Breakdown	<u>.</u>			I	Utilization %		
	Ripp	Ownership (Operating (er Ownership (Cost/Hour: Cost/Hour: Cost/Hour:		\$173.32 \$109.71 \$14.53	NA 100 NA	_	
	Ripj	per Operating (Operator (Total Unit (Cost/Hour: Cost/Hour:		\$7.95 \$38.59 \$344.10	100 NA		
		Total Fleet (Cost/Hour:	\$688.	.19			
	MATERIAL ()UANTITIE	<u>S</u>	Selec	ted estimating	method: Are	a	
	Alternate Method	<u>ls:</u>						
mic:	NA		Bank	Volume:	NA	BCY	-	NA
rea:	4.82	acres	Rip D	epth (ft):	2.00	Volume:	15,553	BCY
		Source of est	imated quantity	: <u>TR-51 E</u>	D&A Provided	Table		
	HOURLY PR	ODUCTION						
	Seismic:							
			Seismic Veloc	ity:	NA	feet/see	cond	
	Area:							
		Avera	age Ripping De	pth:	2.56	feet/pa	SS	
		Avera	ige Ripping Wi	dth:	7.08	feet/pa	SS	
		Averaş	ge Ripping Len	gtn:	88.00	feet/pa	SS nuto	
		Avera	a Manauvar Ti		0.25	ICCI/III	s/pass	
		Produ	ction per unit a	rea:	0.23	acres/h	our	
	Job Condition Co	prrection Facto	rs		0.740	deres/n	our	
	<u>Un</u>	adjusted Hour	ly Unit Product	ion.	0 748	Acres/	hr	
	C.	augustea 110an	Site Altitu	ıde:	6 600	feet		
			Altitude A	Adi:	1.00	(CAT)	HB)	
			Job Efficier	 ncv:	0.83	(2.11) (1 shift	(dav)	
			Net Correct	ion:	0.83	multip	lier	
		Adjuste Adjustec	d Hourly Unit I l Hourly Fleet I	Production: Production:	0.62 1.24	Acres/hr Acres/hr		
	JOB TIME AN	ND COST						
	Fleet size:	2	Grader(s)		Total job time	e:	3.88	Hours
	Unit oost:	\$552.042	Dor coro		Total ich and	<i>.</i>	to 670	

BULLDOZER WORK

Task description:	Topsoil roads				
: Nahcolite Project	Pe	ermit Action: _	TR-51	Permit/Job#:	M1983194
PROJECT IDEN	FIFICATION				
Task #: 06B Date: 4/14/20 8:40:12 User: ACY	25 County: 2 AM	Colorado Rio Blanco		Abbreviation: Filename:	None M194-06b
Agency or o	organization name:	ORMS			
HOURLY EQUIP	PMENT COST				
Basic Machine: Horsepower: Blade Type: Attachment: Shift Basis:	Cat D8T - 8SU 310 Semi-Universal NA 1 per day		- - -		
Data Source:	(CRG)		-		
<u>Cost Breakdown</u> : Ownership Cost/Ho Operating Cost/Ho Ripper own. Cost/Ho Operator Cost/Ho	our: our: our: our:	\$173.32 \$109.71 \$0.00 \$0.00 \$38.59	Utilization % NA 100 NA 0 NA		
Total unit Cost/Hour Total Fleet Cost/Hou	: \$321.62 r: \$643.23				
Initial Volume:	3,895 1.000 3,895 LCY volume: <u>4.828 au</u>	c @ 6" depth			
Source of estimated s	swell factor: <u>Cat Har</u>	Iddook			
HOURLY PRODUCE Average push distant Unadjusted hourly pro- Materials consistency	UCTION ce: 150 feet roduction: 634.3 LC y description: Loose	Y/hr e stockpile 1.2			
Average push gradier Average site altitude:	nt: 0 % 6,600 feet				
Material weight:	1,600 lbs/LCY				
Weight description:	Top Soil				
Job Condition Correc Opera Material con	ator Skill:	0.900	Source (AB.AVG.) (CAT HB)		
Dozing	g method:	1.000	(GEN.)		

Task # 06B

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)
Net correction:	1.0312	
Adjusted unit production: 6	54.09 LCY/hr	
Adjusted fleet production: 1	308.18 LCY/hr	

Fleet size:	2 Dozer(s)
Unit cost:	\$0.492/LCY

Total job time:	2.98 Hours
Total job cost:	\$1,915

REVEGETATION WORK

Task descri	ption:	Reveg Roads	
te: Nahcolit	e Project	Permit Action: <u>TR-51</u>	Permit/Job#: M198319
PROJECT	IDENTIFIC	ATION	
Task #:	06C	State: Colorado	Abbreviation: None
Date:	4/14/2025 8:51:56 AM	County: Rio Blanco	Filename: M194-06c
	0.J1.JU AM		

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
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Weed control spraying (MEANS 31 31 16.13 3100)	\$338.80
Total Tilling Cost/Acre	\$456.41

SEEDING

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

Application

Description	Cost /Acre

	\$
Total Seed Application Cost/A	cre §

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - 2,4D @ 1.0 pt/ac	2.00	ACRE	\$4.13	\$8.25
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$492.78	\$985.56
Total Mulch Materials Cost/Acre				\$993.81

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$85.37
	\$
Total Mulch Application Cost/Acre	\$

NURSERY STOCK PLANTING

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

Estimate *Selected Replanti	No. of Acres: ed Failure Rate: ng Work Items:	4.83 30% TILLING,SEEDIN	Cost /Acr Cost /Acre G,MULCHING	re: \$2,163.37 *: \$2,163.37	
Initial Job Cost: Reseeding Job Cost:	\$10,449.08 \$3,134.72				
Job Hours:	<u>\$13,584</u> 7.00				

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description:	Init	ial Mobilization					
: Nahcolite Proje	ct	Permit	Action: TR-5	1		Permit/Job#: <u>M</u>	1983194
PROJECT IDEN	TIFICATI	<u>ON</u>					
Task #: 07A		State: Co	olorado		Abbro	eviation: None	
Date: 4/14/ 8:42:	2025 03 AM	County: Ri	o Blanco		F	ilename: M194	07a
User: ACY							
Agency or	organization	n name: DRMS					
EQUIPMENT TH	RANSPOR'	T RIG COST					
					Shift ba	usis: 1 per da	V
					Cost Data Sou	rce: CRG Da	ta
Truck	Fractor Desc	ription: GENE	RIC ON-HIGH	VAY TR	μοκ τράστα	DR 6X4 DIESEI	POWERED
TTUCK		iipuoli. OENE		400 HF	(2ND HALF,	2006)	10 were 10 ,
Truck	Trailer Desc	ription: G	ENERIC FOLD	ING GOO	DSENECK, DI	ROP DECK EQU	IPMENT
			Т	RAILER	(25T, 50T, Al	ND 100T)	
Cost Breakdown:							
Available Rig Ca	pacities	0-25 Tons	26-50 Tons	51	+ Tons		
Ownership (Cost/Hour:	\$10.44	\$22.18	\$	23.94		
Operating O	Cost/Hour:	\$26.48	\$54.55	\$	\$55.65		
Operator C	Cost/Hour:	\$22.52	\$22.52	\$	22.52		
Helper C	Cost/Hour:	\$0.00	\$23.53	\$	23.53		
Total Unit C	Cost/Hour:	\$59.44	\$122.78	\$1	125.64		
NON ROADABL	E EQUIPN	<u>IENT:</u>					
Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return Trip	DOT Permit
Description	Unit (TONS)	Cost/hr/ unit	Cost/hr/uni t	Size	Cost/hr/ fleet	Cost/hr/ fleet	Cost/ fleet
Cat D8T - 8SU	53.08	\$187.85	\$125.64	2	\$626.98	\$251.28	\$500.00
Drill/Broadcast Seeder with Tractor	25.00	\$41.02	\$59.44	1	\$100.46	\$59.44	\$250.00
Power Mulcher (Bowie LD-90)	6.00	\$27.21	\$59.44	1	\$86.65	\$59.44	\$250.00
Grove RT650E, 105', 45.4 MT	28.74	\$189.03	\$122.78	1	\$311.81	\$122.78	\$250.00
Broderson IC-200- 2F, 45', 13.6MT	8.68	\$82.02	\$59.44	1	\$141.46	\$59.44	\$250.00
Cat 320D L 9'-6" Stick	23.70	\$56.67	\$59.44	1	\$116.11	\$59.44	\$250.00
Cat 315D L 8'-6" Stick	19.05	\$56.25	\$59.44	1	\$115.69	\$59.44	\$250.00
CAT 963D	22.29	\$83.68	\$59.44	1	\$143.12	\$59.44	\$250.00

Subtotals: \$1,642.28 \$730.70 \$2,250.00

ROADABLE EQUIPMENT:

Mobilization Worksheet Cont'd

Total Cost/hr/	Fleet Size	Haul Trip	Return Trip
unit		Cost/hr/ fleet	Cost/hr/ fleet
\$57.91	1	\$57.91	\$57.91
\$115.19	3	\$345.57	\$345.57
\$130.54	1	\$130.54	\$130.54
\$50.30	1	\$50.30	\$50.30
	Subtotals:	\$584.32	\$584.32
	Total Cost/hr/ unit \$57.91 \$115.19 \$130.54 \$50.30	Total Cost/hr/ unit Fleet Size \$57.91 1 \$115.19 3 \$130.54 1 \$50.30 1 Subtotals:	Total Cost/hr/ unit Fleet Size Haul Trip Cost/hr/ fleet \$57.91 1 \$57.91 \$115.19 3 \$345.57 \$130.54 1 \$130.54 \$50.30 1 \$50.30 Subtotals: \$584.32

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	RIFLE	
Total one-way travel distance:	60.00	miles
Average Travel Speed:	40.00	mph
Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig:	\$14,903.50	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$1,752.96	

Transportation Cycle Time:

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	1.50	1.50
Return Time (Hours):	1.50	1.50
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	4.00	3.00

JOB TIME AND COST

Total job time: **8.00** Hours

Total job cost: **\$16,656**

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description	n: Sec	ondary M	lobilizat	tion					
e: Nahcolite Pro	oject		Permit	Action: <u>TR-5</u>	1]	Permit/Job	o#: <u>M</u>	1983194
PROJECT IDI	ENTIFICATI	<u>ION</u>							
Task #: 07	'B	Stat	e: Co	olorado		Abbre	eviation:	None	
Date: 4/	14/2025	Count	y: Ri	o Blanco		Fi	lename:	M194	-07b
8:	46:08 AM								
User: A	СҮ								
Agency	or organization	n name:	DRMS						
EQUIPMENT	TRANSPOR	T RIG C	OST						
						Shift ba	cic.	l nor day	7
						Cost Data Sou	sis	RG Dat	y
						Cost Data Sou	<u> </u>		
Truc	ck Tractor Desc	ription:	GENE	RIC ON-HIGH	WAY TRI	JCK TRACTO	DR, 6X4, I	DIESEL	POWERED,
T		–	0		400 HP	(2ND HALF,	2006)	V FOLU	
Iru	ck Trailer Desc	cription:	G	ENERIC FOLD	ING GOU DAILED	OSENECK, DF	NOP DEC	K EQUI	PMENI
		_			KAILLK	(251, 501, A	(D 1001)		
Cost Breakdown:									
Available Rig	Capacities	0-25 T	ons	26-50 Tons	51-	+ Tons			
Ownershi	ip Cost/Hour:	\$10.4	14	\$22.18	\$2	23.94			
Operatin	g Cost/Hour:	\$26.4	18	\$54.55	\$	55.65			
Operate	or Cost/Hour:	\$22.5	52	\$22.52	\$2	22.52			
Helpe	er Cost/Hour:	\$0.0	0	\$23.53	\$2	23.53			
Total Un	it Cost/Hour:	\$59.4	14	\$122.78	\$1	25.64			
NON ROADAL	BLE EQUIP	MENT:							
Machine	Weight/	Ownor	rshin	Haul Dig	Floot	Haul Trin	Return '	Trin	DOT Permit
Description	Unit	Cost/h	r/unit	Cost/br/upi	Size	Cost/br/	Cost/hr/	fleet	Cost/ fleet
Description	(TONS)	COSUII	u un	t	5120	fleet			
Drill/Broadcast	25.00	\$41.02		\$59.44	1	\$100.46	\$59.44		\$250.00
Seeder with									

1	400.05	ψ59.77	ψ230.00	
Subtotals:	\$187.11	\$118.88	\$500.00	

ROADABLE EQUIPMENT:

6.00

\$27.21

Tractor Power Mulcher

(Bowie LD-90)

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 3/4 T.	\$57.91	1	\$57.91	\$57.91
Light Duty Pickup, 4x4, 1 T.	\$130.54	1	\$130.54	\$130.54
Crew				
		Subtotals:	\$188.45	\$188.45

\$59.44

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	RIFLE	
Total one-way travel distance:	60.00	miles
Average Travel Speed:	40.00	mph
Total Non-Roadable Mob/Demob Cost *	\$2,292.19	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$565.35	

Transportation Cycle Time:

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	1.50	1.50
Return Time (Hours):	1.50	1.50
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	4.00	3.00

JOB TIME AND COST

Total job time: **8.00** Hours

Total job cost: **\$2,858**