

August 4, 2023

Ed MacArthur Alpine Aggregates, LLC 1878 13th Street Steamboat Springs, CO 80487

Re: Steamboat Sand and Gravel Pit - File No. M-2001-090 Alpine Aggregates, LLC Surety Increase (SI-1) Bond increase associated with TR2

Dear Ed MacArthur:

On August 4, 2023 the Division of Reclamation, Mining and Safety increased the current Financial Warranty for this permit to \$651,031.00, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of \$229,031.00.

The Division ordered amendment of the current Financial Warranty, or submittal of a new Financial Warranty reflecting the increase, within 60 days from the date of this letter (August 4, 2023).

Please make arrangements with Sara M. Stevenson-Benn at the Division's Denver office for submittal of the financial warranty. Any other questions regarding completion, execution and/or submittal of financial warranty forms should also be directed to Sara M. Stevenson-Benn by telephone at (303) 866-3567 (8148), or by email at Sara.stevenson-benn@state.co.us.

The Permittee for this site may be scheduled for a Formal Board Hearing for possible revocation of the permit after October 3, 2023, if the amount of any increased Financial Warranty has not been provided.

Bond Held:	\$422,000.00
Prior Liability:	\$422,000.00
Change in Liability:	\$229,031.00
Revised Liability:	\$651,031.00
Prior Permit Acreage:	109.97
Change in Permit Acreage:	0.00

Physical Address: 1313 Sherman Street, Room 215, Denver, CO 80203 P 303.866.3567 F 303.832.8106 Mailing Address: DRMS Room 215, 1001 E 62nd Ave, Denver, CO 80216 <u>https://drms.colorado.gov</u> Jared S. Polis, <u>Governor</u> | Dan Gibbs, Executive Director | Virginia Brannon, Director



Revised Permit Acreage:	109.97
Prior Affected Acreage:	105.41
Change in Affected Acreage:	0.00
Revised Affected Acreage:	105.41

If you have any questions, please contact me by telephone at (303) 866-3567 x 8176, or by email at Hunter.ridley@state.co.us.

Sincerely,

Hunter Ridley

Hunter C. Ridley Environmental Protection Specialist

M-GR-04

COST SUMMARY WORK

	Steamboa	at Sand and Gra	· ·	onse to TR2 submittal		
: :	Pit			TR2	Permit/Job	#: M2001090
PI	ROJECT	IDENTIFICA	TION			
<u>PI</u>		IDENTIFICA				N
<u>PI</u>	ROJECT Task #: Date:	IDENTIFICA HCR 7/7/2023	TION State: County:	Colorado Routt	Abbreviation: Filename:	None M090-HCR

TASK LIST (DIRECT COSTS)

		Form	Fleet	Task	
Task	Description	Used	Size	Hours	Cost
01b	Remove scale and scalehouse	DEMOLISH	1	20.00	\$5,219
02b	Dewater Phase 1A Pit	PUMPING	1	232.22	\$41,940
03b	Placement of backfill	LOADER	4	246.15	\$152,339
03c	Placement of backfill in Phase 2 & 3 ponds	LOADER	4	229.29	\$141,903
04b	Grade backfill material	DOZER	1	21.78	\$9,291
04c	Grade backfill material Phases 2 &3	DOZER	1	19.41	\$8,282
05b	Placement of topsoil	DOZER	1	38.20	\$16,295
05c	Placement of topsoil, Phase 2 & 3 slopes	DOZER	1	3.55	\$1,514
06b	Reveg. shoreline	REVEGE	1	7.60	\$19,141
06c	Reveg. shoreline Phase 2 &3	REVEGE	1	1.50	\$3,778
07b	Reveg. Hay Meadows	REVEGE	1	36.00	\$91,186
08b	Mobilize reclamation crew and equipment	MOBILIZE	1	3.14	\$6,962
09b	Secondary mobilize reclamation crew and equipment	MOBILIZE	1	0.57	\$57
		DTALS:	859.41	\$497,907	

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$10,058
Performance bond:	1.05	Total =	\$5,228
Job superintendent:	307.03	Total =	\$19,982
Profit:	10.00	Total =	\$49,791
		TOTAL O & P =	\$85,058
		CONTRACT AMOUNT (direct + $O \& P$) =	\$582,965

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): Engineering work and/or contract/bid preparation:	\$500 6.59	Total = Total =	\$500 \$38,417
Reclamation management and/or administration:	5.00	1000	\$29,148
CONTINGENCY:	0.00	Total =	\$0
	\$153,124		
TOTAL BO	\$651,031		

DEMOLITION WORK

r	Task description:	Remove sca	ale and scalehou	se		
Site:	River Valley Resource		Permit Action:	TR2	Permit/J	ob#: <u>M2001090</u>
PROJE	CT IDENTIFICATION	<u>N</u>				
Task #:	01B	State:	Colorado		Abbreviation:	None
Date:	8/2/2023 2:58:41	County:	Routt		Filename:	01b
	PM					
User:	HR1					
	Agency or organizat	tion name:	DRMS			

UNIT COSTS

Location adjustment: 91.30 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Scale house	60L x 12W x 10H (ft)	Bldg. (SN) demo./off- site disposal in approved landfill - Max. 15 mile haul	7,200.00	CF	\$0.38	\$2,746.08
Scale	60'L x 15'W (ft)	USER PROVIDED ITEM	1.00	EA	\$1,800.00	\$1,800.00
Scale house foundation	60L x 12W	Floor, concrete, demolition only, average reinforcing - 6 in. thick	720.00	SF	\$1.20	\$862.70
Line power	3000 LF	Utility Poles, Wood 35' - 45' high (each pole)	1.00	EA	\$307.50	\$307.50

				Total Cost	
		Subtotal		(adjusted for	
Job Hours:	20.00	(unadjusted):	\$5,716.28	location):	\$5,218.96

PUMPING WORK

Task description: Dewa	nter Phase 1A Pit			
e: River Valley Resource	Permit Action:	TR2	Permit/Job#:	M2001090
PROJECT IDENTIFICATIO	<u>DN</u>			
Task #: 02B Date: 8/2/2023 3:34:24 PM User: HR1	Date: 8/2/2023 County: Routt 3:34:24 PM Image: HR1 Image: HR1 Image: HR1			
Agency or organization	name: DRMS			
HOURLY EQUIPMENT CO	<u>DST</u>			
Make and Model: Centri Attachment 1: Attachment 2:	ption fugal pump - 200M, 10	in.	Quantity 4 0 0	
	operator		1	
Horsepower: 70 Shift Basis: 1 per day Weight: 1.95 (US Tons)				
Cost Breakdown:				
Ownership Cost/Hour: Operating Cost/Hour: Operator Cost/Hour: Total Unit Cost/Hour:	\$66.36 \$86.56 \$27.68 \$180.60	Utilization % NA 100 NA		
	\$180.60			
PUMPING QUANTITIES	\$100.00			
Initial Pond Volume: Final Pond Volume: Total Pond Inflow Surface	306.93 100,013,318.52	gallons	Conversion factor: Unit inflow rate in	325850.5800
Area: Total Pond Inflow Volume per Hour:	75,000	Sq. ft. gallons	gph/sq. ft.:	0.1758
Source of estima				
PUMPING TIME		up		
Maximum P	ump Capacity: Suction Head:	200,000	gph/pump feet	
	scharge Head:	0	feet	
СРВ Р	Total Head: ump Capacity: Site Altitude:	25 93,000 7,850	feet gph/pump feet	
Adjusted Pumj Initial Unadjusted P	umping Time:	372,000 268.85	gph hours	
Inflow during In		3,544,827	gallons	
Pump Effi	stment Factor:	278.38 0.9100 0.9167 232.23	Hours (3% rule) (55 min./hr.) hours	
Total Adjusted P	umping 11me:	232.23	hours	
JOB TIME AND COST		Total job	time:232.23	Hours

Unit cost: \$0.000405 /Gallon

Total job cost: **\$41,940**

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CIRCES Cost Estimating Software

CIRCES Cost Estimating Software

WHEEL LOADER - LOAD AND CARRY WORK

River Valley Resource	Permit Action:	TR2	Permit/Job#:	M2001090
PROJECT IDENTIFICA	<u>ATION</u>			
Task #: 03B	State: Colorado		Abbreviation:	None
Date: 8/2/2023	County: Routt		Filename:	03b
3:02:18 PM				
User: HR1				
Agency or organizat	tion name: DRMS			
HOURLY EQUIPMENT	COST			
	Т 972Н	Hors	sepower:	287
	PS Cab		1	er day
			1	CRG)
Soot Ducal down				·
Cost Breakdown:		Utilization %		
Ownership Cost/Hour	:: \$57.78	NA		
Operating Cost/Hour		100		
Operator Cost/Hour		NA		
Total Unit Cost/Hour				
Total Fleet Cost/Hou				
Lotal Fleet Cost/Hor	r: \$618.86			
100011000 00541100				
	<u>_</u>			
MATERIAL QUANTITI	ES			
MATERIAL QUANTITI Initial volume: <u>190,9</u>	ES 53 CCY	Swell factor:	1.000	
MATERIAL QUANTITI	ES	Swell factor:	1.000	
MATERIAL QUANTITI Initial volume: 190,9 Loose volume:	ES 53 CCY	-		
MATERIAL QUANTITI Initial volume: 190,9 Loose volume: Source of es	ES 53 CCY 190,953 LCY	_	1.000	
MATERIAL QUANTITI Initial volume: 190,9 Loose volume: Source of es	ES 53 CCY 190,953 LCY timated volume: Ex. L	_		
MATERIAL QUANTITI Initial volume: 190,9 Loose volume: Source of es Source of estima	ES 53 CCY 190,953 LCY timated volume: Ex. L tted swell factor: Cat Hand	_		
MATERIAL QUANTITI Initial volume: 190,9 Loose volume: Source of es Source of estima HOURLY PRODUCTIO	ES 53 CCY 190,953 LCY timated volume: Ex. L ted swell factor: Cat Hand N	lbook		
MATERIAL QUANTITI Initial volume: 190,9 Loose volume: Source of es Source of estima HOURLY PRODUCTIO	ES 53 CCY 190,953 LCY timated volume: Ex. L tted swell factor: Cat Hand	lbook		
MATERIAL QUANTITI Initial volume:	ES 53 CCY 190,953 LCY timated volume: Ex. L tted swell factor: Cat Hand N Unadjusted Basic Cycle Time	lbook	r): 0.525 Factor (min.)	minutes
MATERIAL QUANTITI Initial volume: 190,9 Loose volume: Source of es Source of estima HOURLY PRODUCTIO	ES 53 CCY 190,953 LCY timated volume: Ex. L tted swell factor: Cat Hand N Inadjusted Basic Cycle Time Mixed material 0.02	lbook	r): 0.525 Factor (min.) 0.020	minutes
MATERIAL QUANTITI Initial volume: 190,9 Loose volume: Source of es Source of estima HOURLY PRODUCTIO Loader Cycle Time: U Cycle Time Factors Material: Stockpile:	ES 53 CCY 190,953 LCY timated volume: Ex. L tted swell factor: Cat Hand N Madjusted Basic Cycle Time Mixed material 0.02 Dumped by truck 0.02	lbook (load, dump, maneuver	r): 0.525 Factor (min.) 0.020 0.020	minutes Source (Cat HB) (Cat HB)
MATERIAL QUANTITI Initial volume: 190,9 Loose volume:	ES 53 CCY 190,953 LCY timated volume: Ex. L ted swell factor: Cat Hand M Madjusted Basic Cycle Time Mixed material 0.02 Dumped by truck 0.02 No adjustment - factor not	lbook (load, dump, maneuver	r): 0.525 Factor (min.) 0.020 0.020 0.000	minutes Source (Cat HB) (Cat HB) (Cat HB)
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MATERIAL QUANTITI Initial volume: 190,9 Loose volume:	ES 53 CCY 190,953 LCY timated volume: Ex. L ted swell factor: Cat Hand N Inadjusted Basic Cycle Time Mixed material 0.02 Dumped by truck 0.02 No adjustment - factor not Constant operation -0.04 Nominal target 0.00 No	lbook (load, dump, maneuver applicable 0.00	r): 0.525 Factor (min.) 0.020 0.020 0.000 -0.040 0.000	minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)
MATERIAL QUANTITI Initial volume: 190,9 Loose volume:	ES 53 CCY 190,953 LCY timated volume: Ex. L tted swell factor: Cat Hand N Inadjusted Basic Cycle Time Mixed material 0.02 Dumped by truck 0.02 No adjustment - factor not Constant operation -0.04 Nominal target 0.00 Net Cy	lbook (load, dump, maneuver applicable 0.00 cle Time Adjustment:	r): 0.525 Factor (min.) 0.020 0.020 0.000 -0.040 0.000 0.000	minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
MATERIAL QUANTITI Initial volume: 190,9 Loose volume:	ES 53 CCY 190,953 LCY timated volume: Ex. L tted swell factor: Cat Hand N Inadjusted Basic Cycle Time Mixed material 0.02 Dumped by truck 0.02 No adjustment - factor not Constant operation -0.04 Nominal target 0.00 Net Cy	lbook (load, dump, maneuver applicable 0.00	r): 0.525 Factor (min.) 0.020 0.020 0.000 -0.040 0.000	minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)

Return: Rutted dirt, little maintenance, no water, 2" tire penetration 5.0

Haul and Return Time

	Length	Grade Res.	Rolling	Total Res.	Travel Time	Source
	(feet)	(%)	Res. (%)	(%)	(minutes)	Source
Haul Route:	500	0.00	5.00	5.00	0.4611	(Cat HB)
Return Route:	500	0.00	5.00	5.00	0.4160	(Cat HB)

Total Travel Time:	0.8771	minutes
Total Cycle Time:	1.4021	minutes

Load Bucket Capacity

Rated Capacity:	5.60	LCY (heaped)
Bucket Fill Factor:	0.975	Loose material - mixed moist aggregates (95-100%) 0.975
Adjusted Capacity:	5.46	LCY

Job Condition Correction Factors Site Altitude: <u>7850</u> feet

		Source
Altitude Adj:	1.00	(CAT HB)
Job Efficiency:	0.83	(1 shift/day)
Net Correction:	0.83	multiplier

Unadjusted Hourly Unit Production:	233.65	LCY/Hour
Adjusted Hourly Unit Production:	193.93	LCY/Hour
Adjusted Hourly Fleet Production:	775.73	LCY/Hour

Fleet size:	4	Loader(s)	Total job time:	246.16	Hours
Unit cost:	\$0.798	/LCY	Total job cost:	\$152,339	

WHEEL LOADER - LOAD AND CARRY WORK

Task description:						
River Valley Resource	e Peri	mit Action:	TR2	I	Permit/Job#:	M2001090
PROJECT IDENTIF	ICATION					
Task #: 03C	State:	Colorado		Abl	previation:	None
Date: 8/2/2023	County:	Routt			Filename:	M090-03c
3:02:42 PM	1				-	
User: HR1						
Agency or organ	nization name: DR	RMS				
HOURLY EQUIPME	ENT COST					
Basic Machine:	CAT 972H			Horsepower:	/	287
Attachment 1:	ROPS Cab			Shift Basis:	1 p	er day
-				Data Source:	(0	CRG)
Cost Breakdown:						
Cost Divardo VIII			Utilization %			
Ownership Cost/H	Hour: \$57.7	78	NA			
Operating Cost/H	Hour: \$56.2	23	100			
- r						
Operator Cost/H		71	NA			
	Hour: \$40.7		NA			
Operator Cost/I	Hour: \$40.7 Hour: \$154.	72	NA			
Operator Cost/H Total Unit Cost/H	Hour: \$40.7 Hour: \$154. Hour: \$618	72	NA			
Operator Cost/F Total Unit Cost/F Total Fleet Cost/ MATERIAL QUANT	Hour: \$40.7 Hour: \$154. Hour: \$618 TITIES	.86		 tor: 1,000		
Operator Cost/H Total Unit Cost/H Total Fleet Cost/ MATERIAL QUANT Initial volume:1	Hour: \$40.7 Hour: \$154. Hour: \$618 CITIES 77,872	72 .86 CCY	NA Swell fac			
Operator Cost/F Total Unit Cost/F Total Fleet Cost/ MATERIAL QUANT Initial volume:1 Loose volume:	Hour: \$40.7 Hour: \$154. Hour: \$618 CITIES 77,872 177,872	72 .86 CCY LCY	Swell fac			
Operator Cost/H Total Unit Cost/H Total Fleet Cost/ MATERIAL QUANT Initial volume: Loose volume: Source of	Hour: \$40.7 Hour: \$154. Hour: \$618 CITIES 77,872 177,872 of estimated volume:	72 .86 CCY LCY TR2, Tat	Swell fac ble E-1	tor: <u>1.000</u>		
Operator Cost/H Total Unit Cost/H Total Fleet Cost/ MATERIAL QUANT Initial volume: Loose volume: Source of	Hour: \$40.7 Hour: \$154. Hour: \$618 CITIES 77,872 177,872	72 .86 CCY LCY	Swell fac ble E-1			
Operator Cost/H Total Unit Cost/H Total Fleet Cost/ MATERIAL QUANT Initial volume: Loose volume: Source of Source of est	Hour: \$40.7 Hour: \$154. Hour: \$618 CITIES 77,872 177,872 of estimated volume: timated swell factor:	72 .86 CCY LCY TR2, Tat	Swell fac ble E-1			
Operator Cost/H Total Unit Cost/H Total Fleet Cost/ MATERIAL QUANT Initial volume: Loose volume: Source of	Hour: \$40.7 Hour: \$154. Hour: \$618 CITIES 77,872 177,872 of estimated volume: timated swell factor:	72 .86 CCY LCY TR2, Tat	Swell fac ble E-1			
Operator Cost/H Total Unit Cost/H Total Fleet Cost/ MATERIAL QUANT Initial volume: Loose volume: Source of Source of est	Hour: \$40.7 Hour: \$154. Hour: \$618 CITIES 77,872 177,872 of estimated volume: timated swell factor:	72 .86 CCY LCY TR2, Tat Cat Hanc	Swell fac ble E-1 lbook		0.525	minutes
Operator Cost/H Total Unit Cost/H Total Fleet Cost/ MATERIAL QUANT Initial volume: Loose volume: Source of Source of est HOURLY PRODUCT Loader Cycle Time:	Hour: \$40.7 Hour: \$154. Hour: \$618 TTIES 77,872 177,872 of estimated volume: timated swell factor: FION Unadjusted Basic	72 .86 CCY LCY TR2, Tat Cat Hanc	Swell fac ble E-1 lbook	neuver):		minutes Source
Operator Cost/F Total Unit Cost/F Total Fleet Cost/ MATERIAL QUANT Initial volume: Loose volume: Source of Source of est	Hour: \$40.7 Hour: \$154. Hour: \$618 TITIES 77,872 177,872 of estimated volume: timated swell factor: FION Unadjusted Basic	72 .86 CCY LCY TR2, Tat Cat Hanc Cycle Time	Swell fac ble E-1 lbook	neuver): Facto	0.525 or (min.)	
Operator Cost/F Total Unit Cost/F Total Fleet Cost/F MATERIAL QUANT Initial volume: Loose volume: Source of Source of est HOURLY PRODUCT Loader Cycle Time: Cycle Time Facto	Hour: \$40.7 Hour: \$154. Hour: \$618 TITIES 77,872 177,872 of estimated volume: timated swell factor: TION Unadjusted Basic ors al: Mixed material	72 .86 CCY TR2, Tat TR2, Tat Cat Hanc Cycle Time 0.02	Swell fac ble E-1 lbook	neuver): Facto	or (min.)	Source
Operator Cost/H Total Unit Cost/H Total Fleet Cost/ MATERIAL QUANT Initial volume: Source of Source of est HOURLY PRODUCT Loader Cycle Time: Cycle Time Facto Materia Stockpil Truck Ownershi	Hour: \$40.7 Hour: \$154. Hour: \$618 TITIES 77,872 177,872 of estimated volume: timated swell factor: TION Unadjusted Basic ors al: Mixed material le: Dumped by true p: No adjustment	72 .86 CCY LCY TR2, Tat Cat Hanc Cycle Time 0.02 ck 0.02 factor not a	Swell fac ble E-1 lbook (load, dump, mat	neuver): Factor 0 0 0 0	or (min.) 0.020 0.020 0.000	Source (Cat HB) (Cat HB) (Cat HB)
Operator Cost/H Total Unit Cost/H Total Fleet Cost/ MATERIAL QUANT Initial volume: Source of Source of est HOURLY PRODUCT Loader Cycle Time: Cycle Time Facto Materia Stockpil Truck Ownershi	Hour: \$40.7 Hour: \$154. Hour: \$154. Hour: \$618 CITIES 77,872 177,872 of estimated volume: timated swell factor: CION Unadjusted Basic ors al: Mixed material le: Dumped by true p: No adjustment on: Constant operation	72 .86 CCY LCY TR2, Tat TR2, Tat Cat Hanc Cycle Time 0.02 ck 0.02 - factor not a tion -0.04	Swell fac ble E-1 lbook (load, dump, mat	neuver): Factor 0 0 0 0 0 0	br (min.) 0.020 0.020 0.000 0.000 0.040	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB)
Operator Cost/H Total Unit Cost/H Total Fleet Cost/ MATERIAL QUANT Initial volume: Source of Source of est HOURLY PRODUCT Loader Cycle Time: Cycle Time Facto Materia Stockpil Truck Ownershi	Hour: \$40.7 Hour: \$154. Hour: \$154. Hour: \$618 CITIES 77,872 177,872 of estimated volume: timated swell factor: CION Unadjusted Basic ors al: Mixed material le: Dumped by true p: No adjustment on: Constant operation	72 .86 CCY LCY TR2, Tat Cat Hanc Cycle Time 0.02 ck 0.02 - factor not a tion -0.04 0.00	Swell fac ble E-1 ibook (load, dump, man applicable 0.00	neuver): Facto C C C C C C C C C C C C C C C C C C C	br (min.) 0.020 0.020 0.000 0.040 0.000	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)
Operator Cost/H Total Unit Cost/H Total Fleet Cost/ MATERIAL QUANT Initial volume: Source of Source of est HOURLY PRODUCT Loader Cycle Time: Cycle Time Facto Materia Stockpil Truck Ownershi	Hour: \$40.7 Hour: \$154. Hour: \$154. Hour: \$618 CITIES 77,872 177,872 of estimated volume: timated swell factor: CION Unadjusted Basic ors al: Mixed material le: Dumped by true p: No adjustment on: Constant operation	72 .86 CCY LCY TR2, Tat TR2, Tat TR	Swell fac ble E-1 lbook (load, dump, mat	neuver): Factor 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	br (min.) 0.020 0.020 0.000 0.000 0.040	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB)

Haul:Rutted dirt, little maintenance, no water, 2" tire penetration 5.0Return:Rutted dirt, little maintenance, no water, 2" tire penetration 5.0

Haul and Return Time

	Length (feet)	Grade Res. (%)	Rolling Res. (%)	Total Res. (%)	Travel Time (minutes)	Source
Haul Route:	500	0.00	5.00	5.00	0.4611	(Cat HB)
Return Route:	500	0.00	5.00	5.00	0.4160	(Cat HB)

Total Travel Time:	0.8771	minutes
Total Cycle Time:	1.4021	minutes

Load Bucket Capacity

Rated Capacity:	5.60	LCY (heaped)
Bucket Fill Factor:	0.975	Loose material - mixed moist aggregates (95-100%) 0.975
Adjusted Capacity:	5.46	_ LCY

Job Condition Correction Factors Site Altitude: <u>7850</u> feet

		Source
Altitude Adj:	1.00	(CAT HB)
Job Efficiency:	0.83	(1 shift/day)
Net Correction:	0.83	multiplier

Unadjusted Hourly Unit Production:	233.65	LCY/Hour
Adjusted Hourly Unit Production:	193.93	LCY/Hour
Adjusted Hourly Fleet Production:	775.73	LCY/Hour

Fleet size:	4	Loader(s)	Total job time:	229.30	Hours
Unit cost:	\$0.798	/LCY	Total job cost:	\$141,903	_

Page 1 of 2

BULLDOZER WORK

	Grade backfill ma					
River Valley Resource	Perm	nit Action:	TR2		Permit/Job#:	M2001090
PROJECT IDENTIFI	CATION					
Task #: 04B Date: 8/2/2023	State: County:	Colorado Routt			Abbreviation: Filename:	None 04b
User: 2:59:29 PM HR1					-	
Agency or organi	ization name: DR	MS				
HOURLY EQUIPME	NT COST					
	D8T - 8SU					
Horsepower: <u>310</u> Blade Type: Sem	ni-Universal					
Attachment: NA	II-UIIIversai					
	er day					
Data Source: (CR						
Cost Breakdown:						
		¢0.41.00	<u>U</u>	tilization %		
Ownership Cost/Hour: Operating Cost/Hour:		\$241.38 \$143.92		NA 100		
Ripper own. Cost/Hour:		\$0.00		NA		
Ripper op. Cost/Hour:		\$0.00		0		
Operator Cost/Hour:		\$41.30		NA		
=	\$426.60 \$426.60					
Total Fleet Cost/Hour: <u>MATERIAL QUANTI</u> Initial Volume: <u>19,95</u> Swell factor: <u>1.000</u>	\$426.60 ITIES 53					
Swell factor:1.000Loose volume:19,95Source of estimated volume	\$426.60 ITIES 53 53 53 10 53 LCY ne:10% of tot		naterial p	laced by loader		
Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume: 19,95 Swell factor: 1.000 Loose volume: 19,95	\$426.60 ITIES 53 53 53 10 53 LCY ne:10% of tot		naterial p	laced by loader		
Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume: 19,95 Swell factor: 1.000 Loose volume: 19,95 Source of estimated volum Source of estimated swell	\$426.60 <u>ITIES</u> 53 53 CY ne: <u>10% of too</u> factor: <u>Cat Handb</u>		naterial p	laced by loader		
Total Fleet Cost/Hour: <u>MATERIAL QUANTI</u> Initial Volume: 19,95 Swell factor: 1.000 Loose volume: 19,95 Source of estimated volum Source of estimated swell <u>HOURLY PRODUCT</u>	\$426.60 <u>ITIES</u> 53 53 CY ne: <u>10% of too</u> factor: <u>Cat Handb</u>		naterial p	laced by loader		
Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume: 19,95 Swell factor: 1.000 Loose volume: 19,95 Source of estimated volum Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance:	\$426.60 ITIES 53 53 53 53 53 LCY he: 10% of tot factor: Cat Handt TION 50 feet	book	naterial p	laced by loader		
Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume: 19,95 Swell factor: 1.000 Loose volume: 19,95 Source of estimated volume	\$426.60 ITIES 53 53 53 53 53 53 53 53 53 53	book	naterial p	laced by loader		
Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume: 19,95 Swell factor: 1.000 Loose volume: 19,95 Source of estimated volum Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency desc Average push gradient:	\$426.60 ITIES 53 53 53 53 53 53 53 53 53 50 feet 1,400.0 LOSE so 0 %	oook 7/hr	naterial p	laced by loader		
Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume: 19,95 Swell factor: 1.000 Loose volume: 19,95 Source of estimated volum Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency desc	\$426.60 ITIES 53 53 53 LCY ne: 10% of tor 53 LCY ne: 20% of tor Cat Handb TON 50 feet 1,400.0 LCY cription: Loose st	oook 7/hr	naterial p	laced by loader		
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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:	916.16 LCY/hr
Adjusted fleet production:	916.16 LCY/hr
Aujusteu neet production.	310.10 LC 1/III

Fleet size:	1 Dozer(s)
Unit cost:	\$0.466/LCY

Total job time:	21.78 Hours
Total job cost:	\$9,291

BULLDOZER WORK

River Valley Resource Permit Action: <u>TR2</u> Permit/Job#; <u>M2001090</u> PADJECT IDENTIFICATION Task #: 04C State: <u>Colorado</u> Abbreviation: <u>None</u> Date: <u>82/2023</u> County: <u>Rout</u> Filename: <u>M090-04c</u> Use:: <u>HR1</u> Agency or organization name: DRMS EDENTIFICATION Basic Machine: <u>Cat D8T - 8SU</u> Horsepower: <u>310</u> Blade Type: <u>Semit-Universal</u> Attachment: <u>NA</u> Shift Basis: <u>Por day</u> Data Source: (CRG) Cool NA Ownership Cost/Hour: <u>\$241.38</u> NA Operating Cost/Hour: <u>\$241.38</u> NA Operator Cost/Hour: <u>\$246.60</u> Total Init Cost/Hour: <u>\$426.60</u> Total Init Cost/Hour: <u>\$426.60</u> Total Cost/Hour: <u>\$426.60</u> Matter Cost/Hour: <u>\$426.60</u> State Basic Cat Bart - SSU Sweet factor: <u>1000</u> Cat Handbook Source of estimated volumis: <u>10% of total backfill material placed by loader</u> Source of estimated swell factor: <u>Law Source</u> Marging use hourly production: <u>1000 CY/hr</u> Material consistency description: <u>Loose stockpile 1.2</u> Average use lafitude: <u>7.850 feet</u> Material consistency (<u>CAT HB)</u> Material consistency: <u>1.200 (CAT HB)</u> <	Task description:	Grade backfill mat	terial Phase	es 2 &3		
Task #: $04C$ State: Colorado Abbreviation: None Date: $8/22023$ County: Routt Filename: M090-04c User: HR1	River Valley Resource	ce Permi	t Action:	TR2	Permit/Job#:	M2001090
Date: $\overline{k222023}$ County: \overline{Routt} $\overline{Filename:}$ $\overline{M090-04c}$ User: HR1	PROJECT IDENTIF	TICATION				
Date: $\overline{k2/2023}$ County: Routt Filename: $\overline{M090-04c}$ User: HR1	Task #: 04C	State:	Colorado		Abbreviation:	None
Agency or organization name: DRMS State Machine: Cat D8T - 8SU Horspower: 30 Blade Type: Semi-Universal Attachment: NA Attachment: NA Attachment: NA Data Source: CGG) Cost Breakdown: Stati 392 Ownership Cost/Hour: \$241.38 NA Operating Cost/Hour: \$143.92 Nipper op. Cost/Hour: \$41.30 Na Operator Cost/Hour: \$426.60 Operator Cost/Hour: \$426.60 Total unit Cost/Hour: \$426.60 Total Victor: \$426.60 Swell factor: 1.000 Loss volume: 17.787 Swell factor: 1.000 Loss volume: 17.787 LCY Source of estimated volume: 10% of total backfill material placed by loader Source of estimated swell factor: Cat Handbook Horspape push distance: \$0 feet Unadjusted hourly production: 1.400.0 LCY/hr Material consistency description: Cast Handbook Average push alititude: 7.850 feet						
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Basic Machine: Cat DST - 8SU Horsepower: 310 Blade Type: Semi-Universal Attachment: NA Shift Basis: 1 per day Data Source: (CRG) Cost Breakdown: Utilization %. Ownership Cost/Hour: \$241.38 NA Shift Basis: Ripper own. Cost/Hour: \$143.92 Operator Cost/Hour: \$40.00 NA NA Operator Cost/Hour: \$426.60 Total unit Cost/Hour: \$426.60 Total Piet Cost/Hour: \$426.60 Total unit Cost/Hour: \$426.60 Total Piet Cost/Hour: \$426.60 Total Piet Cost/Hour: \$426.60 Source of estimated volume: 10.00 Loose volume: 17.787 Swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: \$0 feet Nadjusted hourly production: 1.400.0 LCY/hr Material consistency description: Loose stockpile 1.2 Average push gradient: 0 % Average site altitude: 7.850 feet <tr< td=""><td>Agency or orga</td><td>nization name: DRM</td><td>1S</td><td></td><td></td><td></td></tr<>	Agency or orga	nization name: DRM	1S			
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Material consistency:1.200(CAT HB)Dozing method:1.000(GEN.)						
Dozing method: 1.000 (GEN.)		Skill: 0.75	50	(AVG.)		
	Matarial acresis					
		tency: 1.20	00			

Job efficiency	y: 0.830	(1 SHIFT/DAY)
Spoil pile	e: 0.800	(FND-RF)
Push gradien	t: 1.000	(CAT HB)
Altitude	e: 1.000	(CAT HB)
Material Weigh	t: 1.095	(CAT HB)
Blade type	e: 1.000	(PAT)
Net correction	n: 0.6544	
Adjusted unit production:	916.16 LCY/hr	
Adjusted fleet production:	916.16 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$0.466/LCY

Total job time:	19.41 Hours
Total job cost:	\$8,282

Page 1 of 2

BULLDOZER WORK

	Placement of top	5011				
River Valley Resource	Perr	mit Action:	TR2		Permit/Job#:	M2001090
PROJECT IDENTIFI	CATION					
Task #: 05B Date: 8/2/2023	State: County:	Colorado Routt			Abbreviation: Filename:	None 05b
<u>3:01:17 PM</u> User: HR1						
Agency or organi	ization name: DR	RMS				
HOURLY EQUIPMEN	NT COST					
Basic Machine: Cat I	D8T - 8SU					
Horsepower: 310						
	i-Universal		_			
Attachment: NA	. 1.					
Shift Basis: <u>1 per</u> Data Source: (CR	r day G)					
Cost Breakdown:						
			<u>L</u>	<u> Itilization %</u>		
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		
=	\$426.60 \$426.60					
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume: 27,98 Swell factor: 1.000 Loose volume: 27,98	\$426.60 [TIES 5					
Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume: 27,98 Swell factor: 1.000 Loose volume: 27,98	\$426.60 THES 5 5 LCY					
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Total Fleet Cost/Hour:	\$426.60 THES 5 5 5 5 5 5 5 5 5 5 5 5 5	hr stockpile 1.2				

1.000 0.830	(AVG.) (1 SHIFT/DAY)
0.800	(FND-RF)
1.000	(CAT HB)
1.000	(CAT HB)
1.438	(CAT HB)
1.000	(PAT)
	1.000 1.000 1.438

Aujusted unit production.	752.04 LC 1/III
Adjusted fleet production:	732.64 LCY/hr

Fleet size:	1 Dozer(s)
Unit cost:	\$0.582/LCY

Total job time:	38.20 Hours
Total job cost:	\$16,295

BULLDOZER WORK

Task description:	Placement of top	soil, Phase 2	& 3 slopes		
River Valley Resource	Perr	mit Action:	TR2	Permit/Job#:	M2001090
PROJECT IDENTIFI	CATION				
Task #: 05C	State:	Colorado		Abbreviation:	None
Date: 8/2/2023	County:	Routt		Filename:	M090-05c
User: HR1					
Agency or organi	ization name: DR	RMS			
HOURLY EQUIPMEN	NT COST				
	D8T - 8SU				
Horsepower: 310					
	i-Universal				
Attachment: NA					
	r day		_		
Data Source: (CRO	G)		_		
Cost Breakdown:					
			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		
Total unit Cost/Hour:	\$426.60 \$426.60				
Total Fleet Cost/Hour:	\$426.60 [<u>TIES</u>				
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Total Fleet Cost/Hour:	\$426.60 (TIES)))) (CY)) (CY) (CA (CA (CA (CA (CA (CA (CA (CA	book hr stockpile 1.2			
Total Fleet Cost/Hour:	\$426.60 (TIES) LCY he: Ex. L and factor: Cat Handl ION 100 feet tion: 852.6 LCY/ cription: Loose s 0 % 7,850 feet 1,600 lbs/LCY Top Soil Factor kill: 0.	book hr tockpile 1.2	<u>Source</u> (AVG.)		
Total Fleet Cost/Hour:	\$426.60 (TIES)))))) (TIES)))) (CY (Cat Handle (Cat Handle	book hr stockpile 1.2	<u>Source</u> (AVG.) (CAT HB)		
Total Fleet Cost/Hour:	\$426.60 (TIES)))) (CY he: Ex. L and (Cat Hand) (Cat H	book hr tockpile 1.2	<u>Source</u> (AVG.)		

Task # 05C

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	
Adjusted unit production: 73	32.64 LCY/hr	
Adjusted fleet production: 73	32.64 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$0.582/LCY

Total job time:	3.55 Hours
Total job cost:	\$1,514

REVEGETATION WORK

River Va	lley Resource	Permit Action	n: <u>TR2</u>	Permit/Job	#: <u>M2001090</u>
PROJECT	IDENTIFIC	ATION			
Task #:	06B	State: Colorado)	Abbreviation:	None
Date:	8/2/2023	County: Routt		Filename:	06b
	3:26:42 PM				
User:	HR1				

FERTILIZING

Materials

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

Application

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

TILLING

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

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Alkali Sacaton	1.00	39.03	\$28.48
Meadow Sedge	1.00	41.69	\$99.25
Slender Wheatgrass - Native	3.00	10.95	\$13.88
Red Top	1.00	114.55	\$7.88
Reedgrass, Canadian (or Blue Joint)	0.50	51.42	\$101.63
Reedgrass, Northern - Native	0.50	51.42	\$68.33
Saltgrass, Inland	1.00	13.86	\$42.80
Timothy, Alpine - Native	1.00	29.84	\$24.25

Basin Wildrye - Trailhead	1.50	6.10	\$23.12
Totals Seed Mix	10.50	358.87	\$409.59

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
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$429.79	\$859.57
Total Mulch Materials Cost/Acre				40 - 0
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 2	Nursery Stoc	k Cost / Acre	\$0.00

No. of Acres:	7.6	Cost /Acre:	\$2,014.82
Estimated Failure Rate:	25%	Cost /Acre*:	\$2,014.82
*Selected Replanting Work Items:	TILLING,SEEDIN	G,MULCHING	

Initial Job Cost:	\$15,312.63
Reseeding Job Cost:	\$3,828.16
Total Job Cost:	\$19,141
Job Hours:	7.60

REVEGETATION WORK

Task descr	iption:	Reveg. shoreline Phase 2 &3			
ite: River V	alley Resource	Permit Action:	TR2	Permit/Job	#: <u>M2001090</u>
PROJECT Task #:	<u>T IDENTIFIC</u> 06C	ATION State: Colorado		Abbreviation:	None
Date:		County: Routt		Filename:	M090-06c
User:	HR1				

FERTILIZING

Materials

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

Application

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

TILLING

Description		Cost /Acre
Chisel plowing {DMG}		\$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
Alkali Sacaton	1.00	39.03	\$28.48
Meadow Sedge	1.00	41.69	\$99.25
Slender Wheatgrass - Native	3.00	10.95	\$13.88
Red Top	1.00	114.55	\$7.88
Reedgrass, Canadian (or Blue Joint)	0.50	51.42	\$101.63
Reedgrass, Northern - Native	0.50	51.42	\$68.33
Saltgrass, Inland	1.00	13.86	\$42.80
Timothy, Alpine - Native	1.00	29.84	\$24.25
Basin Wildrye - Trailhead	1.50	6.10	\$23.12

Totals Seed Mix 10.50 358.87 \$409.59

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
Straw, 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

	No. of Acres:	1.5	Cost /Acre:	\$2,014.82	
Estimate	ed Failure Rate:	25%	Cost /Acre*:	\$2,014.82	
*Selected Replanti	ng Work Items:	TILLING,SEEDIN	G,MULCHING		_
Initial Job Cost:					
Reseeding Job Cost:	\$755.56				

Reseeding Job Cost:	\$755.56
Total Job Cost:	\$3,778
Job Hours:	1.50

REVEGETATION WORK

Task de	escription:	Reveg. Hay Meadows			
lite: Rive	r Valley Resource	Permit Act	ion: <u>TR2</u>	Permit/Job	o#: <u>M2001090</u>
<u>PROJE</u>	CT IDENTIFIC	ATION			
Tasl	κ#: 07B	State: Color	ado	Abbreviation:	None
D	ate: 8/2/2023	County: Routt		Filename:	07b
	2 22 52 DV	-			
	3:33:52 PM				

FERTILIZING

Materials

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

Application

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

TILLING

Description		Cost /Acre
Chisel plowing {DMG}		\$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
Orchardgrass - Paiute	3.50	43.39	\$14.26
Smooth Brome - Lincoln	2.50	8.32	\$8.31
Timothy, Alpine - Native	4.00	119.38	\$97.00
Totals Seed Mix	10.00	171.09	\$119.58

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
Straw, 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
Cottonwood, Narrowleaf	8.7	Container, 1 gallon (MEANS)	\$16.13	\$2.40	\$140.33
Willow, Sandbar	8.7	Container, 1 gallon (MEANS)	\$18.53	\$2.40	\$161.21
	\$301.54				

	No. of Acres:	36	Cost /Acre:	\$2,026.35
Estimate	ed Failure Rate:	25%	Cost /Acre*:	\$2,026.35
*Selected Replanti	ng Work Items:	TILLING,SEEDIN	G,NURSERY,MULC	
		HING		
Initial Job Cost:	\$72,948.60			
Reseeding Job Cost:	\$18,237.15			
Total Job Cost:	\$91,186			
Job Hours:	36.00			

EQUIPMENT MOBILIZATION/DEMOBILIZATION

River Valley Resource	Permit A	ction: TR2	Permi	Permit/Job#: M2001		
PROJECT IDENTIFICATI	<u>ION</u>					
Task #: 08B	State: Colo	orado	Abbreviatio	on: N	one	
Date: 8/2/2023 3:20:38 PM	County: Rou	tt	Filenar	ne: 08	3b	
User: HR1						
Agency or organization	n name: DRMS					
rigeney of organization						
EQUIPMENT TRANSPOR						
			Shift basis:	E -	r day	
			Shift basis: Cost Data Source:	E -	r day Data	
Truck Tractor Desc	ription: GENER		Cost Data Source: AY TRUCK TRACTOR, 6	CRG X4, DIE	Data	
		2	Cost Data Source: AY TRUCK TRACTOR, 6 400 HP (2ND HALF, 2006	CRG X4, DIE)	i Data SEL POWERED	
Truck Tractor Desc Truck Trailer Desc		NERIC FOLDIN	Cost Data Source: AY TRUCK TRACTOR, 6 400 HP (2ND HALF, 2006 G GOOSENECK, DROP I	CRG X4, DIE) DECK E	i Data SEL POWERED	
Truck Trailer Desc		NERIC FOLDIN	Cost Data Source: AY TRUCK TRACTOR, 6 400 HP (2ND HALF, 2006	CRG X4, DIE) DECK E	i Data SEL POWERED	
Truck Trailer Desc Cost Breakdown:	cription: GEI	NERIC FOLDIN TRA	Cost Data Source: AY TRUCK TRACTOR, 6 400 HP (2ND HALF, 2006 G GOOSENECK, DROP I AILER (25T, 50T, AND 10	CRG X4, DIE) DECK E	i Data SEL POWERED	
Truck Trailer Desc Cost Breakdown: Available Rig Capacities		NERIC FOLDIN	Cost Data Source: AY TRUCK TRACTOR, 6 400 HP (2ND HALF, 2006 G GOOSENECK, DROP I	CRG X4, DIE) DECK E	i Data SEL POWERED	
Truck Trailer Desc Cost Breakdown: Available Rig Capacities Ownership Cost/Hour:	O-25 Tons \$20.26	NERIC FOLDIN TRA 26-50 Tons \$36.04	Cost Data Source: AY TRUCK TRACTOR, 6 400 HP (2ND HALF, 2006 G GOOSENECK, DROP I AILER (25T, 50T, AND 10 51+ Tons \$47.05	CRG X4, DIE) DECK E	i Data SEL POWERED	
Truck Trailer Desc <u>Cost Breakdown:</u> <u>Available Rig Capacities</u> Ownership Cost/Hour: Operating Cost/Hour:	eription: GEI	NERIC FOLDIN TR/ 26-50 Tons \$36.04 \$76.08	Cost Data Source: AY TRUCK TRACTOR, 6 400 HP (2ND HALF, 2006 G GOOSENECK, DROP I AILER (25T, 50T, AND 10 51+ Tons \$47.05 \$82.85	CRG X4, DIE) DECK E	i Data SEL POWERED	
Truck Trailer Desc <u>Cost Breakdown:</u> <u>Available Rig Capacities</u> Ownership Cost/Hour: Operating Cost/Hour: Operator Cost/Hour:	O-25 Tons \$20.26	NERIC FOLDIN TRA 26-50 Tons \$36.04	Cost Data Source: AY TRUCK TRACTOR, 6 400 HP (2ND HALF, 2006 G GOOSENECK, DROP I AILER (25T, 50T, AND 10 51+ Tons \$47.05	CRG X4, DIE) DECK E	i Data SEL POWERED	
Truck Trailer Desc <u>Cost Breakdown:</u> <u>Available Rig Capacities</u> Ownership Cost/Hour: Operating Cost/Hour:	0-25 Tons \$20.26 \$39.51	NERIC FOLDIN TR/ 26-50 Tons \$36.04 \$76.08	Cost Data Source: AY TRUCK TRACTOR, 6 400 HP (2ND HALF, 2006 G GOOSENECK, DROP I AILER (25T, 50T, AND 10 51+ Tons \$47.05 \$82.85	CRG X4, DIE) DECK E	i Data SEL POWERED	

Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return Trip	DOT Permit
Description	Unit	Cost/hr/ unit	Cost/hr/uni	Size	Cost/hr/	Cost/hr/ fleet	Cost/ fleet
	(TONS)		t		fleet		
Cat D8T - 8SU	47.71	\$241.38	\$158.17	1	\$399.55	\$158.17	\$250.00
CAT 972H	28.00	\$57.78	\$158.17	4	\$863.80	\$632.68	\$500.00
Centrifugal pump - 200M, 10 in.	1.95	\$16.59	\$82.29	4	\$395.52	\$329.16	\$250.00

Subtotals: **\$1,658.87 \$1,120.01 \$1,000.00**

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 1 T.	\$27.44	1	\$27.44	\$27.44
Crew				
Drill/Broadcast Seeder with	\$14.81	1	\$14.81	\$14.81
Tractor				
Power Mulcher (Bowie LD-90)	\$57.02	1	\$57.02	\$57.02
		Subtotals:	\$99.27	\$99.27

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	STEAMBOAT SPRINGS	
Total one-way travel distance:	10.00	miles
Average Travel Speed:	35.00	mph
Total Non-Roadable Mob/Demob Cost *	\$6,905.67 \$56.73	

Transportation Cycle Time:

Non-	
Roadable	Roadable
Equipment	Equipment
0.29	0.29
0.29	0.29
0.50	NA
0.50	NA
1.57	0.57
	Roadable Equipment 0.29 0.29 0.50 0.50

JOB TIME AND COST

 Total job time:
 3.14
 Hours

Total job cost: \$6,962

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description:	Secondary mobilize	e reclamation crew	and equipment	
e: River Valley Resource	Permi	t Action: TR2	Permit/	Job#: <u>M2001090</u>
PROJECT IDENTIFIC	ATION			
Task #: 09B	State: C	Colorado	Abbreviation	n: None
Date: 8/2/2023	County: R	loutt	Filename	e: 09b
<u>3:26:11 PM</u> User: HR1				
Agency or organiz		5		
EQUIPMENT TRANSP	<u>PORT RIG COST</u>			
			Shift basis:	1 per day
			Cost Data Source:	CRG Data
Truck Tractor	Description: GENI		AY TRUCK TRACTOR, 6X 400 HP (2ND HALF, 2006)	4, DIESEL POWERED,
Truck Trailer	Description (IG GOOSENECK, DROP DE	ECK EQUIPMENT
			AILER (25T, 50T, AND 100	
Cost Breakdown:				
Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons	
Ownership Cost/Ho	ur: \$20.26	\$36.04	\$47.05	
Operating Cost/Ho	ur: \$39.51	\$76.08	\$82.85	
Operator Cost/Ho		\$22.52	\$22.52	
Helper Cost/Ho	ur: \$0.00	\$23.53	\$23.53	
Total Unit Cost/Ho	ur: \$82.29	\$158.17	\$175.95	
		<i></i>		
NON ROADABLE EQU	JIPMENT:			
			~	

Machine Description	Weight/ Unit (TONS)	Owner ship Cost/hr/ unit	Haul Rig Cost/hr/uni t	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
				Subtotals:	\$0.00	\$0.00	\$0.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 1 T.	\$27.44	1	\$27.44	\$27.44
Crew				
Drill/Broadcast Seeder with	\$14.81	1	\$14.81	\$14.81
Tractor				
Power Mulcher (Bowie LD-90)	\$57.02	1	\$57.02	\$57.02
		Subtotals:	\$99.27	\$99.27

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	STEAMBOAT SPRINGS	
Total one-way travel distance:	10.00	miles
Average Travel Speed:	35.00	mph
Total Non-Roadable Mob/Demob Cost *	\$0.00	_
** one round trip, no haul rig:	\$56.73	_

Transportation Cycle Time:

Non-	
Roadable	Roadable
Equipment	Equipment
0.29	0.29
0.29	0.29
0.50	NA
0.50	NA
1.57	0.57
	Roadable Equipment 0.29 0.29 0.50 0.50

Total job time:	0.57	Hours
Total job cost:	\$57	