

Simmons - DNR, Leigh <leigh.simmons@state.co.us>

M1980085, Vagneur Site, SI-1

Simmons - DNR, Leigh <leigh.simmons@state.co.us>

Wed, Jul 31, 2024 at 2:58 PM

To: Jim Doody <Jim.Doody@peakreadymix.com>

Cc: Jon Mueller <Jon.Mueller@kilgorecompanies.com>, Bryan Jorgensen <Bryan.Jorgensen@kilgorecompanies.com>, Sara Stevenson-Benn - DNR <sara.stevenson-benn@state.co.us>, Amy Eschberger - DNR <amy.eschberger@state.co.us>

All,

Please find attached the Division's letter initiating Surety Increase No. 1 (SI-1) for the Vagneur Site in Pitkin County.

Let me know if you have any questions, Leigh

Leigh Simmons Environmental Protection Specialist



COLORADO

Division of Reclamation,
Mining and Safety

Department of Natural Resources

P 720.220.1180

1313 Sherman Street, Room 215, Denver, CO 80203 leigh.simmons@state.co.us | https://drms.colorado.gov

On Wed, Jul 31, 2024 at 2:32 PM Simmons - DNR, Leigh <leigh.simmons@state.co.us> wrote: Thanks for your reply Jim.

There is no rush on this. Now I have your concurrence I'll go ahead and initiate a Surety Increase permitting action, you'll receive a formal letter that will outline the process.

Leigh Simmons Environmental Protection Specialist





Department of Natural Resources

P 720.220.1180

1313 Sherman Street, Room 215, Denver, CO 80203 leigh.simmons@state.co.us | https://drms.colorado.gov

On Wed, Jul 31, 2024 at 2:25 PM Jim Doody <Jim.Doody@peakreadymix.com> wrote:

Hi Leigh -

Regarding the surety increase at the Vagneur Pit we will be increasing the bond to \$1,168,937.00. We are requesting an extension date of August 9th, 2024. We have no officer in our Colorado office that can sign for that amount. I will need to send it to our Kilgore office in Salt Lake City, UT. for an appropriate signature.

Thank you for your consideration.

Best regards.

Jim

Jim Doody

Environmental Manager

Elam Construction

970-712-6634

Ordinary People Doing Extraordinary Things!



M1980085_SI1.pdf 751K



July 31, 2024

Scott Reynolds Elam Construction, Inc. 556 Struthers Ave Grand Junction, CO 81501-3826

Re: Vagneur Site - File No. M-1980-085 Elam Construction, Inc. Surety Increase (SI-1)

Surety Increase following June 14, 2024 inspection

Dear Scott Reynolds:

On July 31, 2024 the Division of Reclamation, Mining and Safety increased the current Financial Warranty for this permit to \$1,168,937.00, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of \$364,408.00.

The site-wide Reclamation Cost Estimate (RCE) was re-evaluated using current unit costs following the June 14, 2024 inspection. Elam construction concurred with the updated RCE by email on July 31, 2024.

Please see the June 14, 2024 inspection report for details regarding why this surety increase is required.

On July 31, 2024, the Division ordered amendment of the current Financial Warranty or submittal of a new Financial Warranty reflecting the increase, within 60 days.

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, 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 if the amount of any increased Financial Warranty has not been provided by September 29, 2024.

Bond Held:	\$804,529.00
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Prior Liability:	\$804,529.00
Change in Liability:	\$364,408.00
Revised Liability:	\$1,168,937.00
Prior Permit Acreage:	105.00
Change in Permit Acreage:	0.00
Revised Permit Acreage:	105.00
Prior Affected Acreage:	70.60
Change in Affected Acreage:	0.00
Revised Affected Acreage:	70.60

If you have any questions, please contact me by telephone at (720) 220-1180, or by email at Leigh.Simmons@state.co.us.

Sincerely,

Leigh D. Simmons

Environmental Protection Specialist

cc: John R. Elam

M-GR-04

COST SUMMARY WORK

te: Vagneur Site		Permit Action:	2024Inspection_CostUpdate	<u>Update</u> Permit/Job#:	
PROJECT	IDENTIFICA	<u>TION</u>			
Task #:	000	State: Colorac	do Ab	breviation:	None
Date:	7/2/2024	County: Pitkin		Filename:	M085-000
User:	LDS				

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Demolition and disposal of structures	DEMOLISH	1	120.00	\$176,558
02a	Reduce slopes in Phase 1 area (cut/fill)	DOZER	2	194.64	\$125,199
04a	Backfill slopes in Phase 2 area	SCRAPER1	2	66.18	\$197,834
05a	Grade slopes in Phase 2 area	DOZER	2	16.35	\$10,514
06a	Replace topsoil over affected area	SCRAPER1	2	29.91	\$89,416
07a	Rip contour furrows on final slopes in Phase 2 area	RIPPER	1	7.53	\$2,593
08a	Revegetate affected area	REVEGE	1	51.00	\$222,441
09a	Interseed sagebrush after grass is established	REVEGE	1	51.00	\$122,817
10a	Mobilize reclamation crew and equipment	MOBILIZE	1	5.27	\$17,800
		SUBTO	TALS:	541.88	\$965,172

INDIRECT COSTS

OVERHEAD AND PROFIT:

 Liability insurance:
 2.02 Total =
 \$19,496

 Performance bond:
 1.05 Total =
 \$10,134

 Job superintendent:
 270.94 Total =
 \$21,477

 Profit:
 10.00 Total =
 \$96,517

TOTAL O & P = \$147,625

CONTRACT AMOUNT (direct + O & P) = \$1,112,797

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$500 Total = \$500

Engineering work and/or contract/bid preparation: Reclamation management and/or administration: 5.00 \$55,640

CONTINGENCY: 0.00 Total = \$0

TOTAL INDIRECT COST = \$203,765

TOTAL BOND AMOUNT (direct + indirect) = \$1,168,937

DEMOLITION WORK

	Vagneur Site	Permit Action:	2024Inspection_CostUpdate	Permit/Job#:	M1980085
PROJE	CT IDENTIFICATION				
Task #: Date: User:	7/2/2024	State: Colorado County: Pitkin	Abbrevi	iation: Non name: 085-	
	Agency or organization	on name: DRMS			

<u>UNIT COSTS</u> <u>Location adjustment: 95.90 %</u>

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Concrete plant	50' x 140' x 20'	Bldg. (MN) demo./on- site disposal in existing pit or cut - Max. 10,000 ft. haul	140,000.00	CF	\$0.33	\$46,004.00
Concrete plant foundation	50' x 140'	Demo. and on-site disposal in existing pit, 8 in. thick - Max. 10,000 ft. haul	8,700.00	SF	\$1.54	\$13,415.40
Office area	50' x 175' x 10'	Bldg. (SN) demo./on- site disposal in existing pit or cut - Max. 10,000 ft. haul	87,500.00	CF	\$0.24	\$21,297.50
Office area slab	175' x 50'	Demo. and on-site disposal in existing pit, 6 in. thick - Max. 10,000 ft. haul	8,750.00	SF	\$1.16	\$10,119.38
Truck scale	150' x 20'	Demo. and on-site disposal in existing pit, 1.0 ft. x 2 ft Max. 10,000 ft. haul	340.00	LF	\$4.63	\$1,572.87
Fuel containment walls	60' x 25' x 5'	Demo. and on-site disposal in existing pit, 8 in. thick - Max. 10,000 ft. haul	850.00	SF	\$3.73	\$3,172.88
Fuel containment slab	60' x 25'	Demo. and on-site disposal in existing pit, 6 in. thick - Max. 10,000 ft. haul	1,500.00	SF	\$1.16	\$1,734.75
Canvas building with steel frame	60' x 35' x avg. 10'	Bldg. (SN) demo./on- site disposal in existing pit or cut - Max. 10,000 ft. haul	21,000.00	CF	\$0.24	\$5,111.40
Canvas building asphalt slab	60' x 35' x 3"	Pavement, bituminous, demolition only - 3 in. thick	233.00	SY	\$5.28	\$1,230.24
Load and haul above slab to asphalt pit	60' x 35' x 3"	Load/haul/dump demolished materials/debris into pit - Max. 1,000 ft. haul	58.00	CY	\$1.06	\$61.60
Unprocessed recycled asphalt/concrete	15,000 c.y. max	Push demolished materials/rubble/debris into pit - Max. 200 ft. push	15,000.00	CY	\$3.32	\$49,830.00
Shop structure	60' x 50' x 20'	Bldg. (SN) demo./on-	60,000.00	CF	\$0.24	\$14,604.00

Demo Worksheet Cont'd Task # TTT Page 2 of 2

		site disposal in existing pit or cut - Max. 10,000 ft. haul				
Shop pad	60' x 50'	Demo. and on-site disposal in existing pit, 8 in. thick - Max. 10,000 ft. haul	3,000.00	SF	\$1.54	\$4,626.00
Concrete truck washout pit	40' x 15'	Demo. and on-site disposal in existing pit, 6 in. thick - Max. 10,000 ft. haul	600.00	SF	\$1.16	\$693.90
Powerlines, est. 300' apart	3000'	Utility Poles, Wood 35' - 45' high (each pole)	10.00	EA	\$325.00	\$3,250.00
5,900 gal diesel tank	5,900 gal	Haul tank to certified salvage dump - 6,000 to 8,000 gal. tank	1.00	EA	\$880.00	\$880.00
10,000 gal diesel tanks	10,000 gal	Haul tank to certified salvage dump - 9,000 to 12,000 gal. tank	2.00	EA	\$1,050.00	\$2,100.00
4,000 gal diesel tank	4,000 gal	Haul tank to certified salvage dump - 3,000 to 5,000 gal. tank	1.00	EA	\$760.00	\$760.00
55 gal oil drums	55 gal	Solid pickup - 55 gal. drums	9.00	EA	\$240.00	\$2,160.00
10,000 gal water storage tank	10,000 gal	Haul tank to certified salvage dump - 9,000 to 12,000 gal. tank	1.00	EA	\$1,050.00	\$1,050.00
Septic Tank, pump	12,000 gal	Remove sludge, water, and rem. product from tank - 9,000 to 12,000 gal.	1.00	EA	\$432.00	\$432.00

| Total Cost | Subtotal | (adjusted for | Job Hours: | 120.00 | (unadjusted): | \$184,105.92 | location): | \$176,557.58

BULLDOZER WORK

Task description:	Reduce slopes	in Phase 1	area (cut/fill)		
Vagneur Site	Perm	it Action:	2024Inspection_CostUpda	te Permit/Job#	: <u>M1980085</u>
PROJECT IDENT	IFICATION				
Task #: 02A	State	: Colora	ndo	Abbreviation:	None
Date: 7/2/2024				Filename:	085-02a
User: LDS				-	
Agency or or	ganization name:	ORMS			
HOURLY EQUIPM					
<u> </u>	Cat D8T - 8SU				
	310				
	Semi-Universal				
	NA				
Shift Basis:	l per day				
Data Source:	(CRG)				
Cost Breakdown:					
			<u>Utilization %</u>		
Ownership Cost/Hou	r:	\$173.			
Operating Cost/Hou	r:	\$109.	71 100		
Ripper own. Cost/Hou		\$0.			
Ripper op. Cost/Hou	r:	\$0.	00 0		
Operator Cost/Hou	r:	\$38.	59 NA		
Swell factor: 1.	87,042 000				
Loose volume: 18	87,042 LCY				
Source of estimated vo Source of estimated sv		n of Recla ndbook	mation, Mining & Safety		
HOURLY PRODU	<u>CTION</u>				
Average push distance Unadjusted hourly pro		CV/h.			
v					
Materials consistency		pacted fill	or embankment 0.9		
Average push gradient Average site altitude:	:15 % 				
Material weight:	2,900 lbs/LCY				
Weight description:	Decomposed roo	ck - 50% R	ock, 50% Earth		
Job Condition Corrects Operat	ion Factor or Skill:	0.750	Source (AVG.)		
Material cons		0.900	(CAT HB))		
Dozing		1.000	(GEN.)		
	isibility:	1.000	(AVG.)		

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.329	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.793	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4724

Adjusted unit production: 480.48 LCY/hr
Adjusted fleet production: 960.96 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: \$0.669/LCY

Payload Capacity: 28.14 LCY

SCRAPER TEAM WORK

Task description:	Backfill slo	pes in P	hase 2 a	rea			
Site: Vagneur Site	P	Permit Ac	tion: 2	024Inspection_Co	ostUpdate_Pe	rmit/Job#: M198	30085
PROJECT IDEN	<u> TIFICATION</u>						
Task #: 04A	S	State: (Colorado)	Abbre	viation: None	
Date: 7/2/202 User: LDS	24 Cor	unty:	Pitkin			ename: 085-04a	a
Agency or	organization name:	DRM	IS				
HOURLY EQUIP	PMENT_			COSTS	hift basis: 1 per d	<u>ay</u>	
				ent Description			
		Scraper: -Dozer:	Cat 63 NA	7G			
Suppo	ort Equipment -Loa		CAT 9	72H			
Road Ma	intenance –Motor	p Area: Grader: Truck:	NA NA NA				
Cost Breakdown:	Scraper Wo	rk Teem		Support Equi	nment	Maintenance	Equipment
cost bicardown.	Scraper	Do	zer	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100		NA	100	NA	NA	NA
Ownership cost/hour:	\$329.66		NA	\$62.43	NA	NA	NA
Operating cost/hour:	\$347.48		NA	\$57.98	NA	NA	NA
%Utilization-ripper:	NA		NA	NA	NA	NA	NA
Ripper own. cost/hour:	NA		NA	\$0.00	NA	NA	NA
Ripper op. cost/hour:	NA		NA	\$0.00	NA	NA	NA
Operator cost/hour:	\$30.90		NA	\$36.85	NA	NA	NA
Unit Subtotals:	\$708.04		NA	\$157.26	NA	NA	NA
Number of Units:	4		0	1	0	0	(
Group Subtotals:	Work:	\$2,83	32.16	Support:	\$157.26	Maint:	\$0.00
Total work team cos	t/hour: \$2,989.42						
MATERIAL QUA	<u>ANTITIES</u>						
Initial volume:	173,333		CCY	Swell fac	tor: <u>1.000</u>		
Loose volume:	173,333		LCY				
	arce of estimated vo of estimated swell t	_	Division Cat Har	n of Reclamation, andbook	Mining & Safety		
HOURLY PROD	<u>UCTION</u>						
				Scraper B	owl (volume) Bas	is:	
Material weight:	2,900 lbs/LCY			Struck	Volume: 24.00	LC	CY
Material description:	Decomposed roc 50% Earth	k - 50% l	Rock,	Heaped	Volume: 34.00	LO	CY
Rated Payload:	81,600 pounds			Average	Volume: 29.00	L(CY

LCY

Adjusted Capacity: 28.14

Site Altitude: 7500 feet

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1 7	ICIA	I 1	me:
		11.	mc.

Scraper Loading Time: 0.80 Minutes
Maneuver and Spread Time: 0.60 Minutes

Job Condition Correction:

	Scraper	Push Dozer	Source
Altitude Adj:	1.000	NA	(CAT HB)
Job Efficiency:	0.830	NA	(CAT HB)
Net Correction:	0.830	NA	

Travel Time:

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

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	500.00	0.00	5.00	5.00	1867	0.40

Haul Time: **0.40** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade	Roll. Res	Total Res	Velocity (fpm)	Travel Time
		(%)	(%)	(%)		(min)
1	500.00	0.00	5.00	5.00	2795	0.34

Return Time: ______ 0.34 ____ minutes

Total Scraper team cycle time:
Adjusted for job conditions:
Selected Number of Scrapers:
Adjusted single scraper team (unit) hourly production:
Adjusted multiple scraper team (fleet) hourly production:

2.14 minutes
 LCY/Hour
 Scraper(s)
 1,309.60 LCY/Hour
 Adjusted multiple scraper team (fleet) hourly production:

2,619.19 LCY/Hour

Unadjusted unit production/hour: 788.91 LCY/Hour Optimal Number of Scrapers per push dozer:

JOB TIME AND COST

 Fleet size:
 2
 Team(s)
 Total job time:
 66.18
 Hours

 Unit cost:
 \$1.141
 /LCY
 Total job cost:
 \$197,834

BULLDOZER WORK

Task description:	Grade	slopes in Ph	ase 2 ar	rea		
Vagneur Site		Permit A	ction: _	2024Inspection_CostUpdate	Permit/Job#:	M1980085
PROJECT IDEN	FIFICATION	<u> 1</u>				
Task #: 05A		State:	Colorad	0	Abbreviation:	None
Date: 7/2/202	24		Pitkin		Filename:	085-05a
User: LDS	- · · · · · · · · · · · · · · · · · · ·				_	000 000
Agency or o	organization na	me: DRM	1 S			
			1.0			
HOURLY EQUIP		<u> </u>				
Basic Machine:	Cat D8T - 8S	U				
Horsepower:	310 Semi-Univers	o1				
Blade Type: _ Attachment:	NA	aı				
Shift Basis:	1 per day					
Data Source:	(CRG)					
-	(CRG)					
Cost Breakdown:						
0 11 0 77			0.150.0	<u>Utilization %</u>		
Ownership Cost/Ho			\$173.32			
Operating Cost/Ho			\$109.7			
Ripper own. Cost/Ho			\$0.00		<u> </u>	
Ripper op. Cost/Ho			\$0.00			
Operator Cost/Ho	our:		\$38.59) NA		
Total unit Cost/Hour	: \$321.62					
	14,444 1.000		-			
	14,444 LCY		- -			
Source of estimated source of estimated s	swell factor:	Division of Cat Handbo		ation, Mining & Safety		
Average push distant Unadjusted hourly pr		0 feet ,400.0 LCY/	'hr			
Materials consistency	description:	Loose sto	оскрие 1	1.2		
Average push gradier Average site altitude:		et	_			
Material weight:	2,900 lb	s/LCY				
Weight description:	Decomp	osed rock -	50% Ro	ck, 50% Earth		
Joh Condition Comm				Source		
Job Condition Correct	ction Factor					
	tion Factor ator Skill:	0.75	50	(AVG.)		
	ator Skill:	0.75		(AVG.) (CAT HB)		
Opera Material con	ator Skill:		00			

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	0.666	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.793	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3156

Adjusted unit production: 441.84 LCY/hr
Adjusted fleet production: 883.68 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: \$0.728/LCY

Total job time: 16.35 Hours
Total job cost: \$10,514

SCRAPER TEAM WORK

Task description:	Replace to	psoil ove	r affecte	d area			
Site: Vagneur Site	P	Permit Ac	tion: <u>2</u>	024Inspection_Co	ostUpdate Per	rmit/Job#: M198	30085
PROJECT IDEN	<u> FIFICATION</u>						
Task #: 06A			Colorado	,		viation: None	
Date: 7/2/202	24 Co	unty: _l	Pitkin		Fil	ename: <u>085-06</u>	a
User: LDS							
Agency or o	organization name:	DRM	IS				
HOURLY EQUIP	PMENT_			COSTS	hift basis: 1 per d	<u>ay</u>	
				ent Description			
		Scraper:	Cat 63'	7G			
Suppo	rt Equipment -Loa	-Dozer:	NA CAT 9	72H			
Suppo		p Area:	NA	7211			
Road Ma	intenance –Motor		NA				
-	-Water	Truck:	NA				
Cost Breakdown:	Scraper Wo	rk Team		Support Equi	nment	Maintenance	Fauinment
Cost Bicakuowii.	Scraper Wo	Do	zer	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100		NA	100	NA	NA	NA NA
Ownership cost/hour:	\$329.66		NA	\$62.43	NA	NA	NA
Operating cost/hour:	\$347.48		NA	\$57.98	NA	NA	NA
%Utilization-ripper:	NA		NA	NA	NA	NA	NA
Ripper own. cost/hour:	NA		NA	\$0.00	NA	NA	NA
Ripper op. cost/hour:	NA		NA	\$0.00	NA	NA	NA
Operator cost/hour:	\$30.90		NA	\$36.85	NA	NA	NA
Unit Subtotals:	\$708.04		NA	\$157.26	NA	NA	NA
Number of Units:	4		0	1	0	0	(
Group Subtotals:	Work:	\$2,83	32.16	Support:	\$157.26	Maint:	\$0.00
Total work team cost MATERIAL QUA							
Initial volume:	82,280		CCY	Swell fac	tor: 1.000		
Loose volume:	82,280		LCY	Swell fac	1.000		
Sou	rce of estimated vo	olume.	Division	n of Reclamation,	Mining & Safety		
	of estimated swell	_	Cat Han		willing or Surety		
HOURLY PROD	<u>UCTION</u>						
				Scraper B	owl (volume) Bas	is:	
Material weight:	1,600 lbs/LCY			Struck	Volume: 24.00		CY
Material description:	Top Soil				Volume: 34.00		CY
Rated Payload:	81,600 pounds 51.00 LCY			Average Adjusted (Volume: 29.00 Panacity: 29.00		CY CY

Site Altitude: 7500 feet

Cycle Time:	
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Scraper Loading Time: 0.80 Minutes
Maneuver and Spread Time: 0.60 Minutes

Job Condition Correction:

	Scraper	Push Dozer	Source
Altitude Adj:	1.000	NA	(CAT HB)
Job Efficiency:	0.830	NA	(CAT HB)
Net Correction:	0.830	NA	

Travel Time:

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

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res	Total Res	Velocity (fpm)	Travel Time (min)
1	500.00	0.00	5.00	5.00	1867	0.36

Haul Time: **0.36** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	500.00	0.00	5.00	5.00	2795	0.34

Return Time: 0.34 minutes

Total Scraper team cycle time: Adjusted for job conditions: Selected Number of Scrapers: 2 Scraper(s)

Adjusted single scraper team (unit) hourly production: 1,375.43 LCY/Hour Adjusted multiple scraper team (fleet) hourly production: 2,750.86 LCY/Hour

Unadjusted unit production/hour: 828.57 LCY/Hour Optimal Number of Scrapers per push dozer:

JOB TIME AND COST

Fleet size:	2	Team(s)	Total job time:	29.91	Hours
Unit cost:	\$1.087	/LCY	Total job cost:	\$89 416	

BULLDOZER RIPPING WORK

	Task description:	: Rip	contour furrows on fin	al slopes in Pha	se 2 area			
Site	: Vagneur Site		Permit Action: 2	024Inspection_0	CostUpdate	Permit/Job	#: <u>M198</u>	0085
	PROJECT ID	ENTIFICAT	ION					
	Task #: 07.	A	State: Colorado)	Ab	breviation:	None	
		2/2024	County: Pitkin			Filename:	085-07a	
	User: LD	OS						
	Agency	or organization	n name: DRMS					
	HOURLY EQ	UIPMENT C	OST					
			 at D8T - 8SU		Horsepower:		310	
	Ripper Att		Shank Ripper		Shift Basis:		per day	
	Tupper Tite		опини тиррог		Data Source:		(CRG)	
	Cost Breakdown	:						
	<u>Cost Divanted will</u>	<u>-</u>			Utilization %			
		Ownership C		\$173.32	NA	_		
		Operating C		\$109.71	100	=		
		er Ownership C		\$14.53	NA 100	_		
	Ripj	per Operating C Operator C		\$7.95 \$38.59	100	=		
		Total Unit C		\$344.10	NA			
				·				
		Total Fleet C	Cost/Hour: \$3	44.10				
	MATERIAL (<u> DUANTITIES</u>	Se Se	lected estimating	g method: Are	ea		
	Alternate Method	ds:						
Seismic:	NA		Bank Volume:	NA	BCY		NA	
Area:	4.40	acres	Rip Depth (ft):	1.00	Volume:	7,099		BCY or CC
		Source of esti	imated quantity: DRM	S				
	HOURLY PRO		1 7					
		<u>obcerron</u>						
	Seismic:		0: : 111:	NYA	6 /	1		
			Seismic Velocity:	NA	feet/se	cond		
	Area:							
			ge Ripping Depth:	2.56	feet/pa			
			ge Ripping Width:	7.08	feet/pa feet/pa			
			e Ripping Length:rage Dozer Speed:	100.00 88.00	feet/pa			
			e Maneuver Time:	0.25	minute			
		_	ction per unit area:	0.703	acres/h	-		
	Job Condition Co	orrection Factor	·s					
			y Unit Production:	0.703	Acres/	hr		
	On							
			Site Altitude: Altitude Adj:	7,500 1.00	feet (CAT	HB)		
			Job Efficiency:	0.83	(CA1 (1 shif			
			Net Correction:	0.83	multip			
			Hourly Unit Production Hourly Fleet Production		Acres/hr Acres/hr			
	JOB TIME AN	•	,					
	Fleet size:	1	_ Grader(s)	Total job tir	me:	7.54	Не	ours
	Unit cost:	\$589.369	Per acre	Total job co	ost:	\$2,593		

REVEGETATION WORK

Va	descrip		Revegetate affec			pection Cost	Undate Permit/Ioh	#: M1980085
Vagneur Site Permit Action: 2024Inspection_CostUpdate Permit/Job							π	
RO.	<u>JECT</u>	<u>IDENTIFI</u>	<u>CATION</u>					
T	ask #:	08A	State:	Colora	ıdo		Abbreviation:	None
	Date:	7/2/2024	County:	Pitkin			Filename:	085-08a
	User:	LDS						
	Age	ency or organ	nization name: DR	RMS				
ER'	TILIZ:	<u>ING</u>						
ater	ials							
					Units /		G	~
De	scripti	on			Acre	Unit	Cost / Unit	Cost /Acre
							\$	\$
							Total Fertilizer	
							Materials	
							Cost/Acre	\$0.00
	cation escription	on						Cost /Acre
								\$
					Total	l Fertilizer A	Application Cost/Acre	\$0.00
ILL	<u>ING</u>							
De	scripti	on						Cost /Acre
	sc harro	owing, 6" dee	ep (MEANS 32 91 13	3.23 610	0)			\$117.61
	eed con	trol spraying	(MEANS 31 31 16.	13 3100))			\$338.80
W								
W							otal Tilling Cost/Acre	1

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	9.00	29.13	\$155.63
Mountain Brome - Bromar	13.00	20.89	\$78.23
Slender Wheatgrass - Native	5.00	18.25	\$35.32
Thickspike Wheatgrass - Critana	5.00	17.68	\$40.74
Rabbitbrush, Rubber	7.00	104.29	\$583.78
Western Wheatgrass - Native	5.00	12.63	\$45.03
Needlegrass, Green - Lodorm	13.00	54.02	\$112.39
Serviceberry	7.00	12.86	\$763.31

\$236.64

	Totals Seed Mix	64.00	269.74	\$1,814.42
Application				
Description				Cost /Acre
Drill Seeding (DRMS Survey Cost)				\$236.64

Total Seed Application Cost/Acre

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	1.50	TON	\$492.78	\$739.17
Total Mulch Materials Cost/Acre				\$739.17

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$85.37
Power mulcher (MEANS 32 91 13.16 0350)		\$157.25
	Total Mulch Application Cost/Acre	\$242.63

NURSERY STOCK PLANTING

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

JOB TIME AND COST

 No. of Acres:
 51
 Cost /Acre:
 \$3,489.27

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$3,489.27

*Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: \$177,952.77

Reseeding Job Cost: \$44,488.19

Total Job Cost: \$222,441

51.00

REVEGETATION WORK

Task description:	Task description: Interseed sagebrush after grass is established						
e: Vagneur Site	Permit Action: _2024Inspection_CostUpdate Permit/Job#: _M1980085						
PROJECT IDENTIF	<u>ICATION</u>						
Task #: 09A	State: Col-	orado		Abb	reviation:	None	
Date: 7/2/2024		County: Pitkin				085-09a	
User: LDS							
Agency or orga	nnization name: DRMS						
FERTILIZING							
Materials							
Degamintion		Units /	Unit	Cost	t / Unit	Cost /Acre	
Description		Acre	Unit	Cusi	i / Ollit	Cost/Acre	
				\$		\$	
				Total	al Fertilizer		
				100	Materials		
					Cost/Acre	\$0.00	
				,		1	
Application						Cont. /A con	
Description						Cost /Acre	
						\$	
		Total	Fertilizer	Application	n Cost/Acre	\$0.00	
<u> </u>							
Description						Cost /Acre	
Description							
						\$	
			_				
				Total Tilling	g Cost/Acre	\$0.00	
SEEDING							
				Rate –	a -	~	
Seed Mix				PLS	Seeds	Cost /Acre	
				LBS /	per SQ. FT		
Complement No.	au Dia			Acre		¢1 (52 00	
Sagebrush, Mountain	or Rig			20.00	1,056.01	\$1,653.98	
		Totals S	Seed Mix	20.00	1,056.01	\$1,653.98	
Application							
Description						Cost /Acre	
Broadcast seeding [D	MG]					\$272.56	

Total Seed Application Cost/Acre	\$272.56

MULCHING and MISCELLANEOUS

Materials

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

Application

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

NURSERY STOCK PLANTING

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

JOB TIME AND COST

 No. of Acres:
 51
 Cost /Acre:
 \$1,926.54

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$1,926.54

*Selected Replanting Work Items: SEEDING

Initial Job Cost: \$98,253.54

Reseeding Job Cost: \$24,563.39

Total Job Hours: \$1.00

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: M	obilize reclamatio	on crew and equip	ment		
e: Vagneur Site	Permit Ac	tion: 2024Inspect	cion_CostUpdate_	Permit/Job	#: <u>M1980085</u>
PROJECT IDENTIFICAT	<u>ION</u>				
Task #: 10A	State: C	olorado	Abbrev	viation:	None
Date: 7/2/2024 User: LDS	County: Pi	itkin	Fil	ename:	085-10a
Agency or organization EQUIPMENT TRANSPORT		S			
			Shift bas Cost Data Source		oer day G Data
Truck Tractor Des	cription: GENE		AY TRUCK TRACTO 400 HP (2ND HALF, 2		ESEL POWERED,
Truck Trailer Des	cription: C		G GOOSENECK, DR AILER (25T, 50T, AN		EQUIPMENT
Cost Breakdown:					
Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons		
Ownership Cost/Hour:	\$10.44	\$22.18	\$23.94		
Operating Cost/Hour:	\$26.48	\$54.55	\$55.65		
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52		
Helper Cost/Hour:	\$0.00	\$23.53	\$23.53		

NON ROADABLE EQUIPMENT:

Total Unit Cost/Hour:

\$59.44

Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return Trip	DOT Permit
Description	Unit	Cost/hr/ unit	Cost/hr/uni	Size	Cost/hr/	Cost/hr/ fleet	Cost/ fleet
	(TONS)		t		fleet		
Cat D8T - 8SU	53.08	\$187.85	\$125.64	2	\$626.98	\$251.28	\$500.00
Cat 637G	57.28	\$329.66	\$125.64	4	\$1,821.20	\$502.56	\$1,000.00
CAT 972H	28.00	\$62.43	\$122.78	2	\$370.42	\$245.56	\$500.00
Drill/Broadcast	25.00	\$41.02	\$59.44	1	\$100.46	\$59.44	\$250.00
Seeder with							
Tractor							
Power Mulcher	6.00	\$27.21	\$59.44	1	\$86.65	\$59.44	\$250.00
(Bowie LD-90)							

\$122.78

\$125.64

Subtotals: \$3,005.71 \$1,118.28 \$2,500.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 1 T. Crew	\$24.60	1	\$24.60	\$24.60

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: GLENWOOD SPRINGS

Total one-way travel distance: 45.00 miles

Average Travel Speed: 55.00 mph

Transportation Cycle Time:

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	0.82	0.82
Return Time (Hours):	0.82	0.82
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	2.64	1.64

JOB TIME AND COST

Total job time:	5.27	Hours
Total job cost:	\$17,800	