

**COLORADO** Division of Reclamation, Mining and Safety Department of Natural Resources

January 15, 2025

Kasie Smith KS Land, LLC 11822 Kristi Lane Overbrook, OK 73453

## Re: Adequacy Review No. 2, 112c Construction Materials Amendment Application (AM-1) Four X Ranch Gravel Pit, Permit No. M-2014-033

Ms. Smith:

On December 21, 2024, the Division of Reclamation, Mining and Safety (Division/DRMS) received your responses to the Division's Preliminary Adequacy Review letter dated October 23, 2024. After review of your responses the Division has identified additional items that need to be addressed.

The following items will need to be addressed to the Division's satisfaction prior to the decision date. If you are unable to satisfactorily address the concerns identified in this review before the decision date, it will be your responsibility to request an extension of the review period. If there are outstanding issues that have not been adequately addressed prior to the end of the review period, and no extension has been requested, the Division may deny this application. After receipt and review of the Applicant/Operator's response to these items the Division may identify additional adequacy items. Please respond to Adequacy Review No. 2 with the requested additional/updated information and summarize each response in a cover letter titled "Adequacy No. 2 Response; M-2014-033".

## **GENERAL REQUIREMENTS OF EXHIBITS (Rule 6.2.1):**

 A review of the maps indicates the scales are incorrect and need to be updated for consistency and accuracy. Specifically, the scales of the maps do not accurately reflect physical distances between points. The Division estimates the distance between Mining Area A points NE-SE corners to be 1,700 feet. When measured using the scales on the maps provided the distance is different. Please revise and update the maps to be accurate.

Pursuant to Rule 6.2.1(2) all maps and figures submitted must comply with the following requirements:

Maps, except the index map, must conform to the following criteria: (a) show name of Applicant;



- (b) must be prepared and signed by a registered land surveyor, professional engineer, or other qualified person;
- (c) give date prepared;
- (d) identify and outline the area which corresponds with the application;

(e) with the exception of the map of the affected lands required in Section 34-32.5-I 12(2)(d), C.R.S. 1984, as amended, shall be prepared at a scale that is appropriate to clearly show all elements that are required to be delineated by the Act and these Rules. The acceptable range of map scales shall not be larger than 1 inch = 50 feet nor smaller than 1 inch = 660 feet.

## EXHIBIT C – Pre-Mining and Mining Plan Map(s) of Affected Lands (Rule 6.4.3):

- 2. The coordinates for the haul road (0.6 acres) leading from Mining Area A to Mining Area B need to be provided, see Rule 6.4.4(j). Please note that any disturbance(s) outside of this area during construction or use of the haul road may be subject to enforcement actions.
- **3.** In review of the permit boundary coordinates given additional clarification is needed. The Division, using the coordinates provided, calculated the area for Mining Area A to be 58.31 acres not the stated 58.1 acres and for Mining Area B the area is 16.33 acres not the stated 16 acres. The Division area calculations indicate the proposed permit area should be 77.65 acres not the 77.1 acres in the application. Please provide updated coordinates for Mining Area A and/or Mining Area B to be consistent with the application.

## EXHIBIT D – Mining Plan (Rule 6.4.4):

4. The Applicant has proposed a maximum of 30 acres to be disturbed at any one time, this includes acres being mined, acres being reclaimed, and acres that have been reclaimed but credit for completion of reclamation has not been approved by the Division. Any area planned to be disturbed beyond the 30-acre limit would require approval of a Technical Revision increasing the allowed disturbed acreage prior to affecting new areas. Please acknowledge understanding of this requirement.

## EXHIBIT E – Reclamation Plan (Rule 6.4.5):

5. Please provide an updated Reclamation Plan text that clearly incorporates your responses to the Division's Preliminary Adequacy Review.

## EXHIBIT F – Reclamation Plan Map (Rule 6.4.6):

6. Please update the Reclamation Plan map according to item #1 above.

Four X Ranch Gravel Pit Adequacy Review No. 2 AM-1 Page **3** of **3** 

#### EXHIBIT L – Reclamation Costs (Rule 6.4.12):

- 7. The processing area will need to be ripped prior to placement of overburden/topsoil. The Division estimates the area to be ripped prior to placement is 3 acres. Please comment on this item and incorporate the item into the reclamation plan as needed.
- 8. Attached for your review is the Division's reclamation cost estimate.

### Other:

**9.** Pursuant to Rule 1.6.2(2), please demonstrate that the Applicant's response to these adequacy issues have been placed with the application materials previously placed with the County Clerk or Recorders Office and made available for public review.

Please respond to these adequacy issues no later than two weeks before the decision deadline, to ensure ample time for the Division to complete its review prior to its decision date. **The decision date for this application is February 2, 2025.** If additional time is required to respond to these adequacy issues, please submit a written request for extension of the review period. The Division reserves the right to further supplement this document with additional adequacy issues and details as necessary.

If you need additional information or have any questions, please contact me by email at <a href="mailto:patrick.lennberg@state.co.us">patrick.lennberg@state.co.us</a>.

Sincerely,

Patrick Lennberg Environmental Protection Specialist

Attachment: Division Reclamation Cost Estimate

cc: Jared Ebert, DRMS

ec: Kasie Smith, KS Land, LLC, <u>kasielsmith@gmail.com</u>

Attachments

## COST SUMMARY WORK

Four X I	Ranch Gravel Pi	it Per	mit Action: <u>AM-1</u>	Permit/Jol	b#: <u>M2014033</u>
ROJECT	IDENTIFICA	<u>TION</u>			
Task #:	000	State:	Colorado	Abbreviation:	None
Date:	1/15/2025	County:	Morgan	Filename:	M033-000
User:	JPL				

## TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Grade Out Highwall	DOZER	1	6.27	\$1,365
002	Grade Topsoil/Overburden	DOZER	1	53.05	\$11,526
002a	Rip Processing Area	RIPPER	1	5.26	\$1,169
003	Reveg	REVEGE	1	25.00	\$61,811
004	Mob/Demob	MOBILIZE	1	5.14	\$4,503
		\$80,374			

## **INDIRECT COSTS**

#### OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$1,624
Performance bond:	1.05	Total =	\$844
Job superintendent:	47.36	Total =	\$3,754
Profit:	10.00	Total =	\$8,037
		TOTAL O & P =	\$14,259
		CONTRACT AMOUNT (direct + O & P) =	\$94,633

#### LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): Engineering work and/or contract/bid preparation: Reclamation management and/or administration:	\$500 8.00 5.81	Total = Total =	\$500 \$7,571 \$5,498
CONTINGENCY:	0.00	Total =	\$0
	TOTAL I	NDIRECT COST =	\$27,828
TOTAL BO	ND AMOUNT (a	lirect + indirect) =	\$108,202

Page 1 of 2

## BULLDOZER WORK

Four X Ranch Grave	1 D:4 D	ANT 1	D	H. MOOLAOOO
	<b>I Pit</b> Permit Action:	AM-1	Permit/Jo	b#: <u>M2014033</u>
PROJECT IDENTIFI	CATION			
Task #: 001 Date: 1/15/2025 User: JPL	State: Colorado County: Morgan		Abbreviation: Filename:	None M033-001
	nization name: DRMS			
HOURLY EQUIPME				
	t D7R DS XR Series II			
Horsepower: 240		-		
	ni-Universal	-		
	hank ripper	_		
	er day	_		
Data Source: (CH	RG)	-		
Cost Breakdown:				
		Utilization %		
Ownership Cost/Hour:	\$90.24	NA		
Operating Cost/Hour:	\$78.95	100		
Ripper own. Cost/Hour:	\$9.25	NA		
Ripper op. Cost/Hour:	\$0.52	10		
Operator Cost/Hour:	\$38.59	NA		
Total Fleet Cost/Hour: MATERIAL QUANTI	<u>\$217.55</u>			
MATERIAL QUANTI Initial Volume: <u>1,95</u> Swell factor: <u>1.43</u>	ITIES 8 0			
MATERIAL QUANTI Initial Volume: <u>1,95</u> Swell factor: <u>1.43</u>	1 <b>TIES</b> 8			
MATERIAL QUANTI Initial Volume: <u>1,95</u> Swell factor: <u>1.43</u>	ITIES 8 0 0 LCY 1,500 ft long x 15 ft de	ep at 1:1 slope		
MATERIAL QUANTI         Initial Volume:       1,95         Swell factor:       1.43         Loose volume:       2,80         Source of estimated volu       Source of estimated swe	ITIES           8           0           0           0 LCY           ume:         1,500 ft long x 15 ft de           11         Cat Handbook	ep at 1:1 slope		
MATERIAL QUANTI         Initial Volume:       1,95         Swell factor:       1.43         Loose volume:       2,80         Source of estimated volu       Source of estimated swell         Source of estimated swell       Swell         factor:       1	ITIES           8           0           0           0 LCY           ume:         1,500 ft long x 15 ft de           11         Cat Handbook	 ep at 1:1 slope 		
MATERIAL QUANTI         Initial Volume:       1,95         Swell factor:       1.43         Loose volume:       2,80         Source of estimated volu       2,80         Source of estimated volu       Source of estimated volu         Source of estimated swe       factor:         HOURLY PRODUCT       Average push distance:         Unadjusted hourly       production:	ITIES         8         0         0 LCY         Ime:       1,500 ft long x 15 ft de         11       Cat Handbook         IDN         75 feet			
MATERIAL QUANTI         Initial Volume:       1,95         Swell factor:       1.43         Loose volume:       2,80         Source of estimated volu       2,80         Source of estimated volu       Source of estimated volu         Source of estimated swelfactor:       4         HOURLY PRODUCT       Average push distance:         Unadjusted hourly       production:         Materials consistency de       Average push	ITIES         8         0         0 LCY         Ime:       1,500 ft long x 15 ft de         11       Cat Handbook         ION         ION         175 feet         854.1 LCY/hr			
MATERIAL QUANTI         Initial Volume:       1,95         Swell factor:       1.43         Loose volume:       2,80         Source of estimated volu       2,80         Source of estimated volu       Source of estimated swell         Source of estimated swell       factor:         HOURLY PRODUCT       Average push distance:         Unadjusted hourly       production:         Materials consistency de       Materials consistency de	ITIES         8         0         0 LCY         ume:       1,500 ft long x 15 ft de         11       Cat Handbook         ION         ION         ION         15 feet         854.1 LCY/hr         compacted fill or en			
MATERIAL QUANTI         Initial Volume:       1,95         Swell factor:       1.43         Loose volume:       2,80         Source of estimated volu       2,80         Source of estimated volu       Source of estimated volu         Source of estimated swelfactor:       4         HOURLY PRODUCT       Average push distance:         Unadjusted hourly       production:         Materials consistency de       Average push         Average push       gradient:	ITIES         8         0         0 LCY         ume:       1,500 ft long x 15 ft de         11       Cat Handbook         ION         ION         ION         Secription:         Compacted fill or en         -5 %			
MATERIAL QUANTI         Initial Volume:       1,95         Swell factor:       1.43         Loose volume:       2,80         Source of estimated volu       2,80         Source of estimated volu       Source of estimated swe factor:         HOURLY PRODUCT       Average push distance:         Unadjusted hourly production:       Materials consistency de         Average push gradient:       Average site altitude:	ITIES $\frac{8}{0}$ $0$ LCY         une:       1,500 ft long x 15 ft de         11       Cat Handbook         ION         ION         Escription:         Compacted fill or en         -5 %         4,650 feet	nbankment 0.9		
MATERIAL QUANTI         Initial Volume:       1,95         Swell factor:       1.43         Loose volume:       2,80         Source of estimated volu       2,80         Source of estimated volu       Source of estimated swelfactor:         HOURLY PRODUCT       Average push distance:         Unadjusted hourly production:       Materials consistency de         Average push gradient:       Average site altitude:         Material weight:       Material weight:	ITIES         8         0         0 LCY         Ime:       1,500 ft long x 15 ft de         II       Cat Handbook         ION         ION         Compacted fill or en         -5 %         4,650 feet         3,300 lbs/LCY         Decomposed rock - 75% Rock,			

Task # 001

Material consistency:	0.900	(CAT HB))
Dozing method:	1.200	(SLOT)
Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	1.000	(DOZ-OC)
Push gradient:	1.115	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.697	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.5225

Adjusted unit production:	446.27 LCY/hr
Adjusted fleet production:	<b>446.27</b> LCY/hr

### JOB TIME AND COST

Fleet size:	1 Dozer(s)
Unit cost:	\$0.487/LCY

Total job time:	6.27 Hours
Total job cost:	\$1,365

## BULLDOZER WORK

	Pit Permit Action:	AM-1	Permit/Jo	b#: <u>M2014033</u>
PROJECT IDENTIFIC	ATION			
Task #: 002	State: Colorado		Abbreviation:	None
Date: 1/15/2025	County: Morgan		Filename:	M033-002
User: JPL				
Agency or organiz	zation name: DRMS			
HOURLY EQUIPMEN	<u>T COST</u>			
	D7R DS XR Series II			
Horsepower: 240				
	-Universal			
Attachment: 3-sha	ank ripper			
Shift Basis: 1 per	· day			
Data Source: (CRC	(í			
<u></u>				
Cost Breakdown:		<b></b>		
		<u>Utilization %</u>		
Ownership Cost/Hour:	\$90.24	NA		
Operating Cost/Hour:	\$78.95	100		
Ripper own. Cost/Hour:	\$9.25	NA		
	\$0.26	5		
Ripper op. Cost/Hour:				
Operator Cost/Hour:	\$38.59	NA		
– IATERIAL OUANTIT	TFS			
MATERIAL QUANTIT Initial Volume: 20,200 Swell factor: 1.000	)			
Initial Volume:20,200	)			
Initial Volume:20,200Swell factor:1.000Loose volume:20,200	0 0 LCY			
Initial Volume:20,200Swell factor:1.000Loose volume:20,200Source of estimated volume	0 LCY acres with 5-inches			
Initial Volume:20,200Swell factor:1.000Loose volume:20,200	0 LCY			
Initial Volume: 20,200 Swell factor: 1.000 Loose volume: 20,200 Source of estimated volum Source of estimated swell factor:	0 LCY ne: 30 acres with 5-inches Cat Handbook			
Initial Volume: 20,200 Swell factor: 1.000 Loose volume: 20,200 Source of estimated volum Source of estimated volum Source of estimated swell factor: IOURLY PRODUCTIO	D LCY D LCY ne: 30 acres with 5-inches Cat Handbook DN			
Initial Volume: 20,200 Swell factor: 1.000 Loose volume: 20,200 Source of estimated volum Source of estimated volum Source of estimated swell factor: HOURLY PRODUCTION Average push distance:	D LCY D LCY he: <u>30 acres with 5-inches</u> Cat Handbook DN 100 feet			
Initial Volume: 20,200 Swell factor: 1.000 Loose volume: 20,200 Source of estimated volum Source of estimated volum Source of estimated swell factor: IOURLY PRODUCTIO	D LCY D LCY ne: 30 acres with 5-inches Cat Handbook			
Initial Volume: 20,200 Swell factor: 1.000 Loose volume: 20,200 Source of estimated volum Source of estimated volum Source of estimated swell factor: HOURLY PRODUCTIO Average push distance: Unadjusted hourly production:	D LCY D LCY he: <u>30 acres with 5-inches</u> Cat Handbook DN 100 feet			
Initial Volume: 20,200 Swell factor: 1.000 Loose volume: 20,200 Source of estimated volum Source of estimated volum Source of estimated swell factor: HOURLY PRODUCTIO Average push distance: Unadjusted hourly production: Materials consistency desc	D LCY D LCY ne:			
Initial Volume: 20,200 Swell factor: 1.000 Loose volume: 20,200 Source of estimated volum Source of estimated volum Source of estimated swell factor: HOURLY PRODUCTIO Average push distance: Unadjusted hourly production: Materials consistency desc Average push	0 0 LCY he: <u>30 acres with 5-inches</u> Cat Handbook 0N <u>100 feet</u> 714.3 LCY/hr			
Initial Volume: 20,200 Swell factor: 1.000 Loose volume: 20,200 Source of estimated volum Source of estimated swell factor: HOURLY PRODUCTIO Average push distance: Unadjusted hourly production: Materials consistency desc Average push gradient:	D D LCY he: <u>30 acres with 5-inches</u> Cat Handbook DN <u>100 feet</u> 714.3 LCY/hr cription: Loose stockpile 1.2 0 %			
Initial Volume: 20,200 Swell factor: 1.000 Loose volume: 20,200 Source of estimated volum Source of estimated swell factor: HOURLY PRODUCTIO Average push distance: Unadjusted hourly production: Materials consistency desc Average push gradient:	D LCY D LCY ne:			
Initial Volume:       20,200         Swell factor:       1.000         Loose volume:       20,200         Source of estimated volum:       20,200         Source of estimated volum:       Source of estimated swell         factor:       1000         HOURLY PRODUCTION:       Average push distance:         Unadjusted hourly       production:         Materials consistency descent       Average push         gradient:	D D LCY he: <u>30 acres with 5-inches</u> Cat Handbook DN <u>100 feet</u> 714.3 LCY/hr cription: Loose stockpile 1.2 0 %			
Initial Volume:       20,200         Swell factor:       1.000         Loose volume:       20,200         Source of estimated volum:       Source of estimated swell         factor:       4000000000000         Average push distance:       Unadjusted hourly         production:       Materials consistency desc         Average push       gradient:         Average site altitude:	0       LCY         0       LCY         ne:       30 acres with 5-inches         Cat Handbook         ON         100 feet         714.3 LCY/hr         cription:       Loose stockpile 1.2         0 %         4,650 feet	  50% Earth		
Initial Volume:       20,200         Swell factor:       1.000         Loose volume:       20,200         Source of estimated volum:       Source of estimated swell         factor:       4000000000000         Average push distance:       Unadjusted hourly         production:       Materials consistency desc         Average push       gradient:         Average site altitude:	0			

1 200	(CAT HB)
	· · · · · · · · · · · · · · · · · · ·
1.000	(GEN.)
1.000	(AVG.)
0.830	(1 SHIFT/DAY)
0.900	(SSD-FC)
1.000	(CAT HB)
1.000	(CAT HB)
0.793	(CAT HB)
1.000	(PAT)
	0.830 0.900 1.000 1.000 0.793

Net correction: 0.5331

Adjusted unit production:	380.79 LCY/hr
Adjusted fleet production:	<b>380.79</b> LCY/hr

### JOB TIME AND COST

Fleet size:	1 Dozer(s)
Unit cost:	\$0.571/LCY

Total job time:	53.05 Hours
Total job cost:	\$11,526

## BULLDOZER RIPPING WORK

Task description	: Rip Processing A	rea					_
Site: Four X Ranc	h Gravel Pit Perr	nit Action:	AM-1		Permit/Job#:	M201403	3
PROJECT IDE	<b>NTIFICATION</b>						
Task #: 00	2A State:	Colorado		Abbr	eviation: N	None	
	15/2025 County:	Morgan		F		M033-002a	
User: JP	L						
Agency	or organization name:	MS					
HOURLY EQU	JIPMENT COST						
Basic	Machine: Cat D7R DS XR	Series II		Horsepower:	24	0	
Ripper Att	achment: <u>3-Shank Ripper</u>			Shift Basis:	1 per		
				Data Source:	(CR	G)	
Cost Breakdown:			1				
				Utilization %			
	Ownership Cost/Hour:		\$90.24	<u>NA</u>			
Rippe	Operating Cost/Hour: er Ownership Cost/Hour:		\$78.95 \$9.25	100 NA			
			¢5 20	100			
10PF	Operator Cost/Hour:		\$38.59	NA			
	Total Unit Cost/Hour:		\$222.23				
	Total Fleet Cost/Hour:	\$222	23				
		<i><b>\$222</b></i>	.25				
MATERIAL Q	HANTITIES	<b>a</b> 1					
		Select	ted estimating i	nethod: Area			_
Alternate Method							
smic: NA		k Volume:	NA	BCY	4.0.40	NA	
Area: 3.00	acres Rip	Depth (ft):	1.00	Volume:	4,840		BCY or CC
	Source of estimated quantity	: Division	n Estmate of Pr	ocessing Area			
HOURLY PRO	DUCTION						
Seismic:							
<u>Beisinie.</u>	Seismic Veloci	itv:	NA	feet/sec	ond		
<u>Area:</u>	Average Ripping Dep	the	2.45	feet/pas	e.		
	Average Ripping Wid		6.50	feet/pas			
	Average Ripping Leng		150.00	feet/pas			
	Average Dozer Spe	ed:	88.00	feet/mir			
	Average Maneuver Tir		0.25	minutes	/pass		
	Production per unit ar	ea:	0.687	acres/ho	our		
Job Condition Co	rrection Factors						
Una	adjusted Hourly Unit Production	on:	0.687	Acres/h	r		
	Site Altitu	de:	4,650	feet			
	Altitude A		1.00	(CAT H	(B)		
	Job Efficien	cy:	0.83	(1 shift/	day)		
	Net Correction	on:	0.83	multipli	er		
	Adjusted Hourly Unit P Adjusted Hourly Fleet P		0.57 <b>0.57</b>	Acres/hr Acres/hr			
JOB TIME AN	D COST						
Fleet size:	1 Grader(s)		Total job time	::	5.26	Hours	
Unit cost:	\$389.675 Per acre		Total job cost	: \$1	1,169		

# **REVEGETATION WORK**

Task d	escription:	Reveg				
ite: Fou	r X Ranch Grave	l Pit Pe	rmit Action:	AM-1	Permit/Jol	o#: M2014033
<u>PROJE</u>	CT IDENTIFI	CATION				
Tas	k #: 003	State:	Colorado		Abbreviation:	None
D	ate: 1/15/2025	County:	Morgan		Filename:	003
	ser: JPL					

## **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}		\$102.41
Weed control spraying (MEANS 31 31 16.13 3100)		\$338.80
	Total Tilling Cost/Acre	\$441.21

## **SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Blue Grama - Lovington	0.20	3.26	\$5.55
Little Bluestem - Camper	0.50	2.98	\$6.79
Sand Dropseed	0.30	35.81	\$3.90
Sideoats Grama - Vaughn	0.70	2.30	\$17.21
Red Clover - Medium	0.20	1.24	\$1.41
Smooth Brome - Lincoln	0.30	1.00	\$1.46
Thickspike Wheatgrass - Critana	0.80	2.83	\$6.52
Western Wheatgrass - Arriba	1.60	4.04	\$14.45
Prairie Sandreed - Goshen	0.40	2.51	\$6.81

<b>Solution Security</b> 5.00 <b>Solution</b>	Totals Seed M	ix 5.00	55.97	\$64.11

#### Application

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

## **MULCHING and MISCELLANEOUS**

#### Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$492.78	\$985.56
Total Mulch Materials Cost/Acre				\$985.56

### **Application**

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

## **NURSERY STOCK PLANTING**

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

## JOB TIME AND COST

No. of Acres:	30	Cost /Acre:	\$1,970.15
Estimated Failure Rate:	30%	Cost /Acre*:	\$300.75
*Selected Replanting Work Items:	SEEDING		

Initial Job Cost:	\$59,104.50
Reseeding Job Cost:	\$2,706.75
Total Job Cost:	\$61,811
Job Hours:	25.00

# EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description		b/Demob					
Four X Ranc	h Gravel Pit	Permit	Action: <u>AM-1</u>		·	Permit/Job#: <u>M</u>	2014033
PROJECT IDE	ENTIFICATI	<u>ON</u>					
Task #: 00	4	State: Co	olorado		Abbro	eviation: None	
Date: 1/ User: JP	15/2025 L	County: Mo	organ		Fi	ilename: M033	-004
Agency	or organization	n name: DRMS					
EQUIPMENT	TRANSPOR	<u>T RIG COST</u>					
					Shift ba Cost Data Sou	rce: CRG Da	ta
Truc	k Tractor Desc	ription: GENE	RIC ON-HIGH		UCK TRACT( 2 (2ND HALF,	DR, 6X4, DIESEI 2006)	L POWERED,
Tru	ck Trailer Desc	ription: G	ENERIC FOLD			ROP DECK EQU	IPMENT
		1					
			7	<b>TRAILER</b>	(25T, 50T, A)	ND 100T)	
			]	<u>TRAILER</u>	(25T, 50T, A)	ND 100T)	
Cost Breakdown:	Canacities	0-25 Tons			·	ND 100T)	
Cost Breakdown: Available Rig (	C <b>apacities</b> p Cost/Hour:	<b>0-25 Tons</b> \$10.44	7 26-50 Tons \$22.18	51	(25T, 50T, A) + Tons 23.94	ND 100T)	
Cost Breakdown: Available Rig ( Ownershi			26-50 Tons	51- \$	+ Tons	ND 100T)	
<u>Cost Breakdown:</u> Available Rig ( Ownershi Operatin Operato	p Cost/Hour: g Cost/Hour: or Cost/Hour:	\$10.44 \$26.48 \$22.52	<b>26-50 Tons</b> \$22.18	51 \$ \$	+ <b>Tons</b> 23.94	<u>ND 100T)</u>	
Cost Breakdown: Available Rig ( Ownershi Operatin Operato Helpo	p Cost/Hour: g Cost/Hour: or Cost/Hour: er Cost/Hour:	\$10.44 \$26.48 \$22.52 \$0.00	<b>26-50 Tons</b> \$22.18 \$54.55 \$22.52 \$23.53	51 \$ \$ \$ \$ \$	+ <b>Tons</b> 23.94 55.65 22.52 23.53	<u>ND 100T)</u>	
Cost Breakdown: Available Rig ( Ownershi Operatin Operato Helpo	p Cost/Hour: g Cost/Hour: or Cost/Hour:	\$10.44 \$26.48 \$22.52	<b>26-50 Tons</b> \$22.18 \$54.55 \$22.52	51 \$ \$ \$ \$ \$	+ <b>Tons</b> 23.94 55.65 22.52	<u>ND 100T)</u>	
Cost Breakdown: Available Rig ( Ownershi Operatin Operato Helpo	p Cost/Hour: g Cost/Hour: or Cost/Hour: er Cost/Hour: it Cost/Hour:	\$10.44 \$26.48 \$22.52 \$0.00 \$59.44	<b>26-50 Tons</b> \$22.18 \$54.55 \$22.52 \$23.53	51 \$ \$ \$ \$ \$	+ <b>Tons</b> 23.94 55.65 22.52 23.53	<u>ND 100T)</u>	
Cost Breakdown: Available Rig ( Ownershi Operatin Operato Helpo Total Un	p Cost/Hour: g Cost/Hour: or Cost/Hour: er Cost/Hour: it Cost/Hour:	\$10.44 \$26.48 \$22.52 \$0.00 \$59.44	<b>26-50 Tons</b> \$22.18 \$54.55 \$22.52 \$23.53	51 \$ \$ \$ \$ \$	+ <b>Tons</b> 23.94 55.65 22.52 23.53	Return Trip	DOT Permit
Cost Breakdown: Available Rig ( Ownershi Operatin Operato Helpo Total Un	p Cost/Hour: g Cost/Hour: or Cost/Hour: er Cost/Hour: it Cost/Hour: <b>BLE EQUIPN</b>	\$10.44 \$26.48 \$22.52 \$0.00 \$59.44 MENT:	<b>26-50 Tons</b> \$22.18 \$54.55 \$22.52 \$23.53 \$122.78	51 \$ \$ \$ \$ \$ \$ \$ \$	+ <b>Tons</b> 23.94 55.65 22.52 23.53 25.64		DOT Permit Cost/ fleet
Cost Breakdown: Available Rig ( Ownershi Operatin Operato Helpo Total Un NON ROADAI Machine Description Cat D7R DS XR Series II	p Cost/Hour: g Cost/Hour: or Cost/Hour: r Cost/Hour: it Cost/Hour: BLE EQUIPN Weight/ Unit	\$10.44 \$26.48 \$22.52 \$0.00 \$59.44 MENT: Owner ship	<b>26-50 Tons</b> \$22.18 \$54.55 \$22.52 \$23.53 \$122.78 Haul Rig Cost/hr/uni	51 \$ \$ \$ \$ \$ \$ Fleet	+ Tons 23.94 55.65 22.52 23.53 25.64 Haul Trip Cost/hr/	Return Trip	
Cost Breakdown: Available Rig ( Ownershi Operatin Operato Helpo Total Un NON ROADAI Machine Description Cat D7R DS XR	p Cost/Hour: g Cost/Hour: or Cost/Hour: er Cost/Hour: it Cost/Hour: <b>BLE EQUIPN</b> Weight/ Unit (TONS)	\$10.44 \$26.48 \$22.52 \$0.00 \$59.44 MENT: Owner ship Cost/hr/ unit	26-50 Tons \$22.18 \$54.55 \$22.52 \$23.53 \$122.78 Haul Rig Cost/hr/uni t	51 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	+ Tons 23.94 55.65 22.52 23.53 25.64 Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	Cost/ fleet

Subtotals: \$509.84 \$301.10 \$1,000.00

## **ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
		Subtotals:	\$0.00	\$0.00

## **EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region: Total one-way travel distance: Average Travel Speed:	FT MORGAN 10.00 35.00	miles mph
Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig:	\$4,502.75	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$0.00	

Transportation Cycle Time:

Haul Time (Hours): Return Time (Hours): Loading Time (Hours): Unloading Time (Hours):	Non- Roadable Equipment 0.29 0.29 1.00 1.00	Roadable Equipment 0.29 0.29 NA NA NA
Unloading Time (Hours):	1.00	NA
Subtotals:	2.57	0.57

### JOB TIME AND COST

Total job time: **5.14** Hours

Total job cost: **\$4,503**