

June 1, 2020

Ms. Jodi Schreiber Fremont Paving and Redi Mix, Inc. 839 MacKenzie Avenue Canon City, CO 81212

### RE: Division's Financial Warranty Cost Estimates for TR-06, Pueblo East Pit (M2000-041)

Dear Ms. Schreiber,

On February 3, 2020, the Division of Reclamation, Mining and Safety (Division) received a request for Technical Revision (TR-06) to extend Phase II mining into Phase III and decrease the size of Phase III to be north of the 100-year floodplain at the Pueblo East Pit, Permit No. M-2000-041. As part of the TR-06 the financial warranty for the extending Phase II was calculated.

A copy of the pit's estimate is attached for your review. The Division will allow 14 days to review and comment on the bond estimate prior to issuing a surety increase notice for the Pueblo East Pit. Once the surety increase is issued by the Division, the Operator will have 60 days to provide the additional financial warranty.

If you need additional information or have any questions, please contact me at Division of Reclamation, Mining and Safety, 1313 Sherman Street, Room 215, Denver, CO 80203, by telephone at **303-866-3567 x8114**, or by email at <u>patrick.lennberg@state.co.us</u>.

Sincerely,

Patrick Lennberg Environmental Protection Specialist

- cc: Jared Ebert, DRMS
- ec: Jodi Schreiber, Fremont Paving & Redi-Mix, jodi@arycorp.com



# COST SUMMARY WORK

Г	Cost Summary TR-06					
Site:	Permit Action: Pueblo East Pit	TR-06 Phase 2H 2C	3 and	Permi	t/Job#:	M2000041
<u>P</u> ]	<b>ROJECT IDENTIFICATION</b>					
	Task #: 000 State: Colorado			Abbreviatio	on: <u>I</u>	None
	User: JPL County: Pueblo			Filenam	ne:	M041-000
	Agency or organization name: DRMS					
<u>T</u> .	ASK LIST (DIRECT COSTS)					
Task		Form	Fleet	Task		Cost
001	Description Backfill Open Water (ave 4 acres 13 feet deep)		Size	<b>Hours</b>		\$73.051
002	Spread Topsoil 4-inches over 84 acres	SCRAPER1	1	16.82		\$39,752
003	Revegetation of 84 acres	REVEGE	1	40.00		\$103,342
		<u>SUBTO</u>	TALS:	88	8.12	\$217,045
IN	NDIRECT COSTS	<u>SUBTO</u>	TALS:	88	8.12	\$217,045
<u>IN</u> <u>O'</u>	NDIRECT COSTS VERHEAD AND PROFIT:	<u>SUBTO</u>	TALS:	8	8.12	\$217,045
<u>II</u> 0'	NDIRECT COSTS VERHEAD AND PROFIT: Liability insurance: 0.00	<u>SUBTO</u>	TALS:	Total =	<b>8.12</b> \$0	\$217,045
<u>II</u> 0'	NDIRECT COSTS VERHEAD AND PROFIT: Liability insurance: 0.00 Performance bond: 0.00	<u>SUBTO</u>	TALS:	Total = Total =	<b>8.12</b> \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	\$217,045
<u>II</u> <u>0</u>	VDIRECT COSTSVERHEAD AND PROFIT:Liability insurance:0.00Performance bond:0.00Job superintendent:40.00	<u>SUBTO</u>	TALS:	Total = Total = Total =	<b>8.12</b> \$0 \$0 \$2,7	\$217,045
<u>11</u> 0'	NDIRECT COSTS VERHEAD AND PROFIT: Liability insurance: 0.00 Performance bond: 0.00 Job superintendent: 40.00 Profit: 0.00	<u>SUBTO</u>	TALS:	Total = Total = Total = Total =	<b>8.12</b> \$0 \$0 \$2,7 \$0 \$0 \$0 \$0 \$2,7 \$0 \$0 \$0 \$2,7 \$0 \$0 \$2,7 \$0 \$0 \$2,7 \$0 \$0 \$2,7 \$0 \$0 \$2,7 \$0 \$0 \$ \$ \$ \$ \$ \$ \$	\$217,045 776
<u>11</u> 0'	NDIRECT COSTS           VERHEAD AND PROFIT:           Liability insurance:         0.00           Performance bond:         0.00           Job superintendent:         40.00           Profit:         0.00	SUBTO	TALS:	Total = $Total =$ $Total =$ $Total =$ $Total =$ $C & P =$	\$0 \$0 \$0 \$2,7 \$0 \$2,7 \$0 \$2,7 \$0	\$217,045 276 276 276 276
<u>II</u> <u>0</u>	VDIRECT COSTS           VERHEAD AND PROFIT:           Liability insurance:         0.00           Performance bond:         0.00           Job superintendent:         40.00           Profit:         0.00	<u>SUBTO</u>	TALS: TOTAI (direct +	88 Total = Total = Total = C & P = O & P) =	\$0 \$0 \$0 \$2,7 \$0 \$2,7 \$219	\$217,045 776 776 9,821
<u>I</u> <u>N</u> <u>O</u>	NDIRECT COSTS         VERHEAD AND PROFIT:         Liability insurance:       0.00         Performance bond:       0.00         Job superintendent:       40.00         Profit:       0.00         CONT         EGAL - ENGINEERING - PROJECT MANAGEMENT	<u>SUBTO</u> RACT AMOUNT	TALS: TOTAI (direct +	88 Total = Total = Total = C & P = O & P) =	\$0 \$0 \$2,7 \$0 \$2,7 \$219	\$217,045 776 9,821
	NDIRECT COSTS         VERHEAD AND PROFIT:         Liability insurance:       0.00         Performance bond:       0.00         Job superintendent:       40.00         Profit:       0.00         CONT         EGAL - ENGINEERING - PROJECT MANAGEMENT         Financial warranty processing (legal/related costs):	SUBTO	TALS: TOTAI (direct +	88 Total = Total = Total = C & P = O & P) = Total =	<b>8.12</b> <b>\$0</b> <b>\$0</b> <b>\$2,7</b> <b>\$0</b> <b>\$2,7</b> <b>\$0</b> <b>\$2,7</b> <b>\$0</b> <b>\$2,7</b> <b>\$0</b> <b>\$2,7</b> <b>\$0</b> <b>\$2,7</b> <b>\$0</b> <b>\$2,7</b> <b>\$0</b> <b>\$2,7</b> <b>\$0</b> <b>\$2,7</b> <b>\$0</b> <b>\$2,7</b> <b>\$0</b> <b>\$2,7</b> <b>\$0</b> <b>\$2,7</b> <b>\$0</b> <b>\$2,7</b> <b>\$0</b> <b>\$2,7</b> <b>\$0</b> <b>\$2,7</b> <b>\$0</b> <b>\$2,7</b> <b>\$0</b> <b>\$2,7</b> <b>\$0</b> <b>\$2,7</b> <b>\$0</b> <b>\$2,7</b> <b>\$0</b> <b>\$2,7</b> <b>\$21</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0 \$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0</b> <b>\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0</b>	\$217,045 776 9,821
<u>I</u> О' Li	NDIRECT COSTS         VERHEAD AND PROFIT:         Liability insurance:       0.00         Performance bond:       0.00         Job superintendent:       40.00         Profit:       0.00         CONT         EGAL - ENGINEERING - PROJECT MANAGEMENT         Financial warranty processing (legal/related costs):         Engineering work and/or contract/bid preparation:	<u>SUBTO</u> RACT AMOUNT : <u>\$0</u> 0.00	TOTAI (direct +	Total =         Total =         Total =         Total =         O & P =         O & P) =         Total =         Total =         Total =	\$0       \$0       \$0       \$2,7       \$0       \$2,7	\$217,045 776 9,821
	NDIRECT COSTS         VERHEAD AND PROFIT:         Liability insurance:       0.00         Performance bond:       0.00         Job superintendent:       40.00         Profit:       0.00         CONT         EGAL - ENGINEERING - PROJECT MANAGEMENT         Financial warranty processing (legal/related costs):         Engineering work and/or contract/bid preparation:         Reclamation management and/or administration:	<u>SUBTO</u> RACT AMOUNT : : <u>\$0</u> 0.00 5.00	TOTAI (direct +	88 Total = Total = Total = C & P = O & P) = Total = Total = Total =	\$0           \$0           \$0           \$2,7           \$0           \$2,7           \$0           \$2,7           \$0           \$2,7           \$10	\$217,045 776 9,821 9991
	<b>NDIRECT COSTS</b> VERHEAD AND PROFIT:         Liability insurance:       0.00         Performance bond:       0.00         Job superintendent:       40.00         Profit:       0.00         CONT         EGAL - ENGINEERING - PROJECT MANAGEMENT         Financial warranty processing (legal/related costs):         Engineering work and/or contract/bid preparation:         Reclamation management and/or administration:         CONTINGENCY:	<u>SUBTO</u> RACT AMOUNT : : <u>\$0</u> 0.00 5.00 0.00	TOTAI (direct +	$ \begin{array}{l} \text{Total} = \\ \text{Total} = \\ \text{Total} = \\ \text{Total} = \\ \text{O & P} = \\ \text{O & P)} = \\ \end{array} \\ \begin{array}{l} \text{Total} = \\ \text{Total} = \\ \text{Total} = \\ \end{array} \\ \end{array} $	\$0         \$0         \$0         \$2,7         \$0         \$2,7         \$0         \$2,7         \$2,7         \$2,7         \$2,7         \$2,7         \$2,7         \$2,7         \$2,7         \$2,7         \$2,7         \$2,7         \$2,7         \$2,7         \$2,7         \$2,7         \$2,19         \$0         \$0         \$0         \$0	\$217,045 776 9,821 9991
	<b>NDIRECT COSTS</b> VERHEAD AND PROFIT:         Liability insurance:       0.00         Performance bond:       0.00         Job superintendent:       40.00         Profit:       0.00         CONT         EGAL - ENGINEERING - PROJECT MANAGEMENT         Financial warranty processing (legal/related costs):         Engineering work and/or contract/bid preparation:         Reclamation management and/or administration:         CONTINGENCY:	SUBTO RACT AMOUNT : \$0 0.00 5.00 0.00 TOTAL IN	TOTAI (direct +	Total = $Total =$ $Total =$ $Total =$ $O & P =$ $O & P) =$ $Total =$ $Total =$ $Total =$ $Total =$	\$0         \$0         \$0         \$2,7         \$0         \$2,7         \$0         \$2,7         \$0         \$2,7         \$10,0         \$0         \$10,0         \$10,0         \$11,0         \$11,0         \$11,0         \$11,0         \$11,0         \$11,0	\$217,045 776 9,821 ,991

# SCRAPER TEAM WORK

Site: Evans #2 Pit		Permit Action	n: TR-06 Phase 2 2C	B and P	ermit/Job#: <u>M2</u>	2000041
PROJECT IDENT	<b>IFICATION</b>					
Task #: 001	Ś	State: Colorado	)	Abbre	viation: None	
Date: 5/29/20	020 Co	unty: Pueblo		Fil	ename: M041-	001
User: JPL						
Agency or o	rganization name:	DRMS				
HOURLY EQUIP	MENT		COSTSI	nift basis: <u>1 per</u>	<u>day</u>	
		Equipm	ent Description			
	-5	Scraper: Cat 65	57G			
		-Dozer: Cat Da	8T - 8SU			
Suppor	t Equipment -Loa -Dum	d Area: NA	8T - 8SU			
Road Mai	ntenance –Motor	Grader: CAT	14M			
	-Water	Truck: Water	Tanker, 3,500 Gal	•		
Cost Breakdown:	Scraper Wor	rk Team	Support Equir	oment	Maintenanc	e Equipr
	Scraper	Dozer	Load Area	Dump Area	Motor Grader	Water
%Utilization-machine:	100	50	NA	50	75	
Ownership cost/hour:	\$186.09	\$103.86	NA	\$103.86	\$64.10	
Operating cost/hour:	\$221.44	\$41.13	NA	\$41.13	\$42.13	
%Utilization-ripper:	NA	NA	NA	NA	NA	
Ripper own. cost/hour:	NA	\$0.00	NA	\$0.00	\$0.00	
Ripper op. cost/hour:	NA	\$0.00	NA	\$0.00	\$0.00	
Operator cost/hour:	\$45.80	\$39.98	NA	\$39.98	\$45.39	
Unit Subtotals:	\$453.32	\$184.97	NA	\$184.97	\$151.61	
Number of Units:	4	1	0	1	1	
Group Subtotals:	Work:	\$1,998.25	Support:	\$184.97	Maint:	\$17
Total work team cost/l MATERIAL QUA Initial volume:	hour: <u>\$2,362.81</u> <u>NTITIES</u> <u>83,900</u>	ССҮ	Swell facto	or: <u>1.125</u>		
Loose volume:	94,388	LCY				
Sour	ce of estimated vo	olume: <u>Calcula</u>	tion to backfill 4 a	cre open water 1	3 ft	
Source of	r estimated swell	tactor: Cat Hai	ndbook			
HOURLY PRODU	<u>CTION</u>					
			Scraper Bo	owl (volume) Ba	sis:	
			<u>Beraper De</u>			
Material weight:	2,650 lbs/LCY		Struck V	/olume: 32.00	L	CY
Material weight: Material description:	2,650 lbs/LCY Decomposed roo	ck - 25% Rock,	Struck V Heaped V	/olume: <u>32.00</u> /olume: 44.00	L	.CY .CY

<u>1.00</u> Minutes

0.60 Minutes

Payload Capacity: 39.25 LCY

LCY

Cycle Time:

Scraper Loading Time: Maneuver and Spread Time:

Job Condition Correction:

Site Altitude: 4500 feet

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

Travel Time:

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered, maintained 3.0

Haul Route:

Seg #	Haul Distance (Ft)	Grade	Roll. Res	Total Res	Velocity	Travel Time
		(%)	(%)	(%)	(fpm)	(min)
1	600.00	0.00	3.00	3.00	2883	0.55

Haul Time: 0.55 minutes

### **Return Route:**

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	600.00	0.00	3.00	3.00	2958	0.36

Return Time:	0.36	minutes
Total Scraper team cycle time:	2.51	minutes
Adjusted for job conditions:	753.94	LCY/Hour
Selected Number of Scrapers:	4	Scraper(s)
Adjusted single scraper team (unit) hourly production:	3,015.78	LCY/Hour
Adjusted multiple scraper team (fleet) hourly production:	3,015.78	LCY/Hour

Unadjusted unit production/hour: \_908.37 LCY/Hour

Optimal Number of Scrapers per push dozer:

### JOB TIME AND COST

Fleet size:	1	Team(s)	Total job time:	31.30	Hours
Unit cost:	\$0.783	/LCY	Total job cost:	\$73,951	

# SCRAPER TEAM WORK

Site: Evans #2 Pit		Permit	Action:	TR-06 Phase 2 2C	2B and P	ermit/Job#: <u>M2</u>	000041
PROJECT IDENT	IFICATION						
$\begin{array}{c} \text{Task #:}  002\\ \text{Date:}  6/1/20\\ \text{User:}  \textbf{IPL} \end{array}$	20 Co	State: Co unty: Pu	olorado ieblo		Abbrev	viation: <u>None</u> ename: <u>M041-</u>	002
Agency or o	rganization name:	DRMS					
				COST	1.6.1 . 1	1	
HOUKLY EQUIP.	<u>MIEN I</u>			COSTS	hift basis: <u>I per (</u>	day	
	S	Ecraper	quipmen	t Description			
	د- -	-Dozer:	Cat D8T	- 8SU			
Suppor	t Equipment -Loa	d Area:	NA	0.011			
Road Mai	-Dum ntenance –Motor (	p Area: Grader:	Cat D8T CAT 141	- 8SU M			
	-Water	Truck:	Water Ta	anker, 3,500 Ga	l.		
		1		G			<b>Б</b> .
<u>Cost Breakdown</u> :	Scraper Woi Scraper	k Team Dozer	r	Support Equi	pment Dump Area	Maintenance Motor Grader	e Equipi Water
% Utilization machine:	100		50	NA	50	75	
Ownership cost/hour:	\$186.09	\$10	3.86	NA	\$103.86	\$64.10	
Operating cost/hour:	\$221.44	\$4	1.13	NA	\$41.13	\$42.13	
%Utilization-ripper:	NA	÷ -	NA	NA	NA	NA	
Ripper own. cost/hour:	NA	\$	0.00	NA	\$0.00	\$0.00	
Ripper op. cost/hour:	NA	\$	0.00	NA	\$0.00	\$0.00	
Operator cost/hour:	\$45.80	\$3	9.98	NA	\$39.98	\$45.39	
Unit Subtotals:	\$453.32	\$18	4.97	NA	\$184.97	\$151.61	
Number of Units:	4		1	0	1	1	
Group Subtotals:	Work:	\$1,998.	25	Support:	\$184.97	Maint:	\$17
Total work team cost/	hour: <b>\$2,362.81</b>						
MATERIAL OUA	NTITIES						
Initial volume	45 100	C	YCV	Swall faat	or: 1125		
Loose volume:	50,738	L	CY	Swell lact	01. 1.125		
Sour	ce of estimated vo	olume: C	<b>`</b> alculatic	on to 4 inches or	ver 84 acres		
Source o	f estimated swell f	factor: C	Cat Hand	book			
HOURLY PRODU	UCTION						
				Scraper B	owl (volume) Ba	<u>sis:</u>	
Material weight:	2,650 lbs/LCY			Struck V	Volume: 32.00	L	CY
Material description:	Decomposed roc	ck - 25% R	ock,	Heaped Y	Volume: 44.00	L	CY
	750/ 10 11						

<u>1.00</u> Minutes

0.60 Minutes

Payload Capacity: 39.25 LCY

LCY

Cycle Time:

Scraper Loading Time: Maneuver and Spread Time:

Job Condition Correction:

Site Altitude: 4500 feet

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

Travel Time:

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered, maintained 3.0

Haul Route:

Seg #	Haul Distance (Ft)	Grade	Roll. Res	Total Res	Velocity	Travel Time
		(%)	(%)	(%)	(fpm)	(min)
1	600.00	0.00	3.00	3.00	2883	0.55

Haul Time: 0.55 minutes

### Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	600.00	0.00	3.00	3.00	2958	0.36

0.36	minutes
2.51	minutes
753.94	LCY/Hour
4	Scraper(s)
3,015.78	LCY/Hour
3,015.78	LCY/Hour
	0.36 2.51 753.94 4 3,015.78 3,015.78

Unadjusted unit production/hour: <u>908.37</u> LCY/Hour Optimal Number of Scrapers per push dozer:

JOB TIME AND COST

Fleet size:	1	Team(s)	Total job time:	16.82	Hours
Unit cost:	\$0.783	/LCY	Total job cost:	\$39,752	

# **REVEGETATION WORK**

Task description: <b>Rev</b>		Revegetation of	84 acres				
ite:	Evans #2	Pit	Ре	rmit Action:	TR-06 Phase 2B and 2C	Permit/Jol	o#: <u>M2000041</u>
<u>PF</u>	ROJECT	<u>IDENTIFI</u>	CATION				
	<b>TC</b> 1 <i>U</i>	003	State	Colorado		Abbreviation:	None
	Task #:	005	State.	Colorado			- (
	Task #: Date:	6/1/2020	County:	Pueblo		Filename:	M041-003

# **FERTILIZING**

# Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
5-10-10, 5-10-15, 6-12-12	40.00	pound	\$0.21	\$8.20
			Total Fertilizer Materials Cost/Acre	\$8.20

### Application

Description	Cost /Acre
Truck whirlwind spreader (MEANS 32 01 90.13 0140)	\$14.81
Total Fertiliz	er Application Cost/Acre \$14.81

### **TILLING**

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$101.93
Total Tilling Cost/Acre	\$101.93

### **SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Alkali Sacaton	0.30	11.71	\$8.54
Sand Dropseed	0.10	11.94	\$0.98
Sideoats Grama - Butte	2.70	8.86	\$24.30
White Sweet Clover	0.70	4.18	\$2.89
Western Wheatgrass - Native	4.80	12.12	\$28.80
Saltbush, Four Wing	0.50	0.69	\$6.25
Totals Seed Mix	9.10	49.50	\$71.76

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	\$295.00	\$590.00
Total Mulch Materials Cost/Acre				<b>\$700.00</b>
Total Much Matchais Cost/Acre				\$590.00

### Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$70.17
Power mulcher (MEANS 32 91 13.16 0350)		\$95.83
	Total Mulch Application Cost/Acre	\$166.00

### **NURSERY STOCK PLANTING**

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

### JOB TIME AND COST

No. of Acres:	84	Cost /Acre:	\$1,184.70
Estimated Failure Rate:	15%	Cost /Acre*:	\$303.76
*Selected Replanting Work Items:	SEEDING		

Initial Job Cost:	\$99,514.80
Reseeding Job Cost:	\$3,827.38
Total Job Cost:	\$103,342
Job Hours:	40.00