




**MINERALS PROGRAM INSPECTION REPORT**  
**PHONE: (303) 866-3567**

The Division of Reclamation, Mining and Safety has conducted an inspection of the mining operation noted below. This report documents observations concerning compliance with the terms of the permit and applicable rules and regulations of the Mined Land Reclamation Board.

<b>MINE NAME:</b> Simla Highway Pit	<b>MINE/PROSPECTING ID#:</b> M-1995-095	<b>MINERAL:</b> Gravel	<b>COUNTY:</b> El Paso
<b>INSPECTION TYPE:</b> Surety-Related Inspection	<b>INSPECTOR(S):</b> Timothy A. Cazier	<b>INSP. DATE:</b> April 10, 2018	<b>INSP. TIME:</b> 10:00
<b>OPERATOR:</b> Schuler Terracing	<b>OPERATOR REPRESENTATIVE:</b> Henry Schuler, Randy Malcom, Jimmy Shelton	<b>TYPE OF OPERATION:</b> 110c - Construction Limited Impact	
<b>REASON FOR INSPECTION:</b> Surety Related	<b>BOND CALCULATION TYPE:</b> Complete Bond	<b>BOND AMOUNT:</b> \$28,540.00	
<b>DATE OF COMPLAINT:</b> NA	<b>POST INSP. CONTACTS:</b> None	<b>JOINT INSP. AGENCY:</b> None	
<b>WEATHER:</b> Clear	<b>INSPECTOR'S SIGNATURE:</b> 	<b>SIGNATURE DATE:</b> May 3, 2018	

**GENERAL INSPECTION TOPICS**

This list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each. No problems or possible violations were noted during the inspection. The mine operation was found to be in full compliance with Mineral Rules and Regulations of the Colorado Mined Land Reclamation Board for the Extraction of Construction Materials and/or for Hard Rock, Metal and Designated Mining Operations. Any person engaged in any mining operation shall notify the office of any failure or imminent failure, as soon as reasonably practicable after such person has knowledge of such condition or of any impoundment, embankment, or slope that poses a reasonable potential for danger to any persons or property or to the environment; or any environmental protection facility designed to contain or control chemicals or waste which are acid or toxic-forming, as identified in the permit.

(AR) RECORDS----- <u>Y</u>	(FN) FINANCIAL WARRANTY----- <u>Y</u>	(RD) ROADS----- <u>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>Y</u>	(EX) EXPLOSIVES----- <u>NA</u>
(PW) PROCESSING WASTE/TAILING---- <u>NA</u>	(SF) PROCESSING FACILITIES----- <u>NA</u>	(TS) TOPSOIL----- <u>N</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE----- <u>Y</u>	(RV) REVEGETATION---- <u>Y</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>Y</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>NA</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(ST) STIPULATIONS----- <u>Y</u>
(AT) ACID OR TOXIC MATERIALS----- <u>NA</u>	(OD) OFF-SITE DAMAGE----- <u>Y</u>	

Y = Inspected and found in compliance / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited



## **OBSERVATIONS**

This inspection was conducted as part of the review process for both a surety reduction request and a partial acreage release request. The Permittee (Schuler Terracing) was represented by Messrs. Henry Schuler and Randy Malcom during the inspection. Mr. Jimmy Shelton was present, representing the land owner. The Simla Highway Pit is accessed from Co Rd 125 (Simla Hwy) and is located approximately three miles south of Simla. This is a 110c gravel mine. It was operating at the time of the inspection.

**Availability of Records:** Annual fees are paid through June 2017. The previous inspection was on March 18, 2015. The approved post-mine land use is rangeland. There are no open infractions.

**Backfilling and Grading:** Sufficient backfill material appeared to be available in the form of unused topsoil, primarily on the north end of the west side of the pit.

**Financial Warranty:** The bond held by the Division is currently \$28,540. One of the purposes of this inspection was to determine if the bond could be reduced. Based on site observations, a new bond estimate of \$11,280 was calculated by the Division (**enclosed**). This is somewhat higher than anticipated while in the field, primarily due to the long distance to mobilize equipment from Limon and that mobilization costs are not scalable to the amount of reclamation completed.

**Fish and Wildlife:** No impact to fish or wildlife was observed.

**Hydrologic Balance:** No standing water was observed in the pit and no exposed groundwater was observed. However, a relatively flat graded area remains for stormwater management. It was staked at the time of the inspection and this inspector recorded the perimeter of this area using a handheld GPS unit (Trimble Juno 3B). See the **attached post inspection map**.

**Gen. Compliance with Mine Plan:** The operation appeared to be in compliance with the approved mine plan. Google Earth was used to measure the disturbed area, which was estimated to be approximately 8.7 acres (based on June 2017 imagery). A roughly one-acre area south of the stormwater pond had been staked out (see **Photo 1**) for future mining activity and reduce the are requiring future reclamation to support the request for a surety reduction. High walls were estimated to be less than six feet in height and appeared stable (see **Photo 2**).

**Off-site Damage:** The operation appeared to be confined to the permit boundary, based on site observations and Google Earth review.

**Roads:** Haul and access roads did not appear to be a source of sediment that could be tracked offsite as the material is fairly granular. It should be noted the access road on the south end of the site and parking/turnaround area in the southeast corner make up the area requested for release from the permit area. As per the AR-02 request, the road and parking area are needed by the landowner for access to their land on the west side.

**Reclamation Success:** All observed affected area had been sloped to 3H:1V or flatter and seeded (as discussed under the Revegetation section below).

**Revegetation:** The majority of the previously disturbed area had been seeded and hydromulched (see **Photos 3 and 4**). The only areas not seeded and hydromulched were the one-acre stormwater pond area (exempt from seeding) and the remaining active area (approximately 1 acre). No noxious weeds were observed.

**Sediment Control:** No erosion problems were observed and no BMPs were needed at the time of the inspection.



Support Facilities On-site: A loader and dump trucks were observed on site (see **Photo 5**).

Signs and Markers: The permit sign was properly posted (see **Photo 6**) and boundary markers were observed to delineate the new proposed active area permit boundary (see **Photo 7**). This inspector recorded each of the four proposed active corner posts using the aforementioned Juno 3B GPS unit.

Permit Stipulations: There are no permit stipulations.

Storm Water MGT Plan: No oil or fuel spills observed. Stormwater drains to the pit pond area and infiltrates.

Topsoil: The topsoil stockpile on the west side had been graded and hydromulched.

SUMMARY: The Division will recommend approval of both the acreage release (0.83 acres) and surety reduction (\$17,260) requests, although the surety reduction is less than \$24,689 requested. Note, when the map submitted with AR-02 was overlain in Google Earth, it was determined to be 0.83 acres, 0.18 acres more than the 0.65 acres requested. You will be notified under separate cover of the Division's approval of each request.

Please contact Tim Cazier (303)866-3567 ext. 8169 or email at [tim.cazier@state.co.us](mailto:tim.cazier@state.co.us) if you have any questions regarding this report.

## **PHOTOGRAPHS**



Photo 1. Staked and graded pond area (looking SE).



**PHOTOGRAPHS (cont.)**



Photo 2. Active working area, highwall < 6 ft (looking north).



Photo 3. Hydromulched west and south slopes (south side, looking west).



**PHOTOGRAPHS (cont.)**



Photo 4. Hydromulched west and south slopes (looking SE).



Photo 5. Loader and trucks in active area (looking SE).



**PHOTOGRAPHS (cont.)**



Photo 6. Permit sign at entrance.



Photo 7. Northwest corner post of active area & pond survey T-posts (looking NW).



**Inspection Contact Address**

Henry Schuler  
Schuler Terracing  
35389 CR 197  
Limon, CO 80828

ec: DRMS file  
Randy Malcom

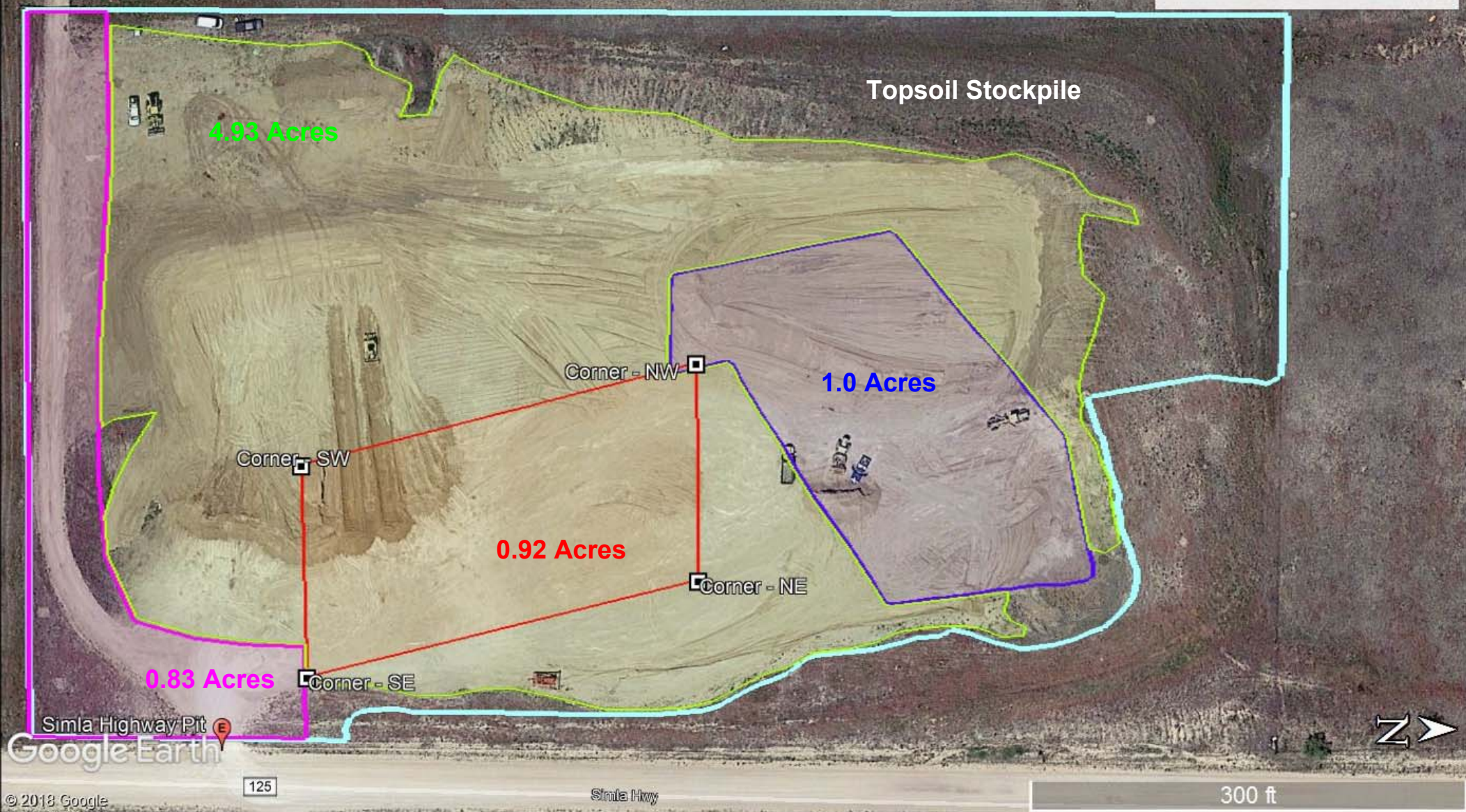


# M-1995-095 Post 2018 Inspection Map

Satellite Imagery from 6/13/2017

## Legend

- AR-01 Permit Area
- AR-02 Release Area
- Area to Reveg SR-01
- Corner -
- Post SR-01 Active Area
- Simla Highway Pit
- SR01 Pond





## COST SUMMARY WORK

Task description: Cost Summary

Site: Simla Highway Pit

Permit Action: SR-01

Permit/Job#: M1995095

### PROJECT IDENTIFICATION

Task #: S00

State: Colorado

Abbreviation: None

Date: 5/2/2018

County: El Paso

Filename: M095-S00

User: TC1

Agency or organization name: DRMS

### TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
S1a	Misc Grading (6' high working face, 150' long)	DOZER	1	0.65	\$124.00
S20	Topsoil Placement (6" depth over 1 ac)	SCRAPER1	1	2.45	\$517.00
S30	Revege 4 acres (assuming 25% failure Rate)	REVEGE	1	30.00	\$1,121.00
S31	Revege 1 acre active area	REVEGE	1	30.00	\$2,490.00
S40	Mob/Demob	MOBILIZE	1	2.96	\$3,593.00
<b><u>SUBTOTALS:</u></b>				<b>66.06</b>	<b>\$7,845</b>

### INDIRECT COSTS

#### OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$158.47

Performance bond: 1.05

Total = \$82.37

Job superintendent: 33.03

Total = \$2,412.84

Profit: 10.00

Total = \$784.50

TOTAL O & P = \$3,438.18

CONTRACT AMOUNT (direct + O & P) = \$11,283.18

#### LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): 0.00

Total = 0.00

Engineering work and/or contract/bid preparation: 0.00

Total = \$0.00

Reclamation management and/or administration: 0.00

\$0.00

CONTINGENCY: 0.00

Total = \$0.00

TOTAL INDIRECT COST = \$3,438.18

TOTAL BOND AMOUNT (direct + indirect) = \$11,283.18

**ROUNDED TOTAL BOND AMOUNT (direct + indirect) = \$11,280.00**



**BULLDOZER WORK**Task description: Misc Grading (6' high working face, 150' long)Site: Simla Highway PitPermit Action: SR-01Permit/Job#: M1995095**PROJECT IDENTIFICATION**Task #: S1AState: ColoradoAbbreviation: NoneDate: 5/2/2018County: El PasoFilename: M095-S1aUser: TC1Agency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D8T - 8SUHorsepower: 310Blade Type: Semi-UniversalAttachment: NAShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$83.81	NA
Operating Cost/Hour:	\$66.17	100
Ripper own. Cost/Hour:	\$0.00	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$40.52	NA

Total unit Cost/Hour: \$190.50Total Fleet Cost/Hour: \$190.50**MATERIAL QUANTITIES**Initial Volume: 400Swell factor: 1.000Loose volume: 400 LCYSource of estimated volume: Site observation 4/10/18Source of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 100 feetUnadjusted hourly production: 852.6 LCY/hrMaterials consistency description: Consolidated stockpile 1.0Average push gradient: -25 %Average site altitude: 6,380 feetMaterial weight: 2,700 lbs/LCYWeight description: Sand and clay - Loose**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	1.000	(CAT HB)
Dozing method:	1.000	(GEN.)
Visibility:	1.000	(AVG.)



Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.900	(SSD-FC)
Push gradient:	1.516	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.852	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.7236

Adjusted unit production: 616.94 LCY/hr

Adjusted fleet production: **616.94** LCY/hr

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)

Unit cost: \$0.309/LCY

Total job time: **0.65** Hours

Total job cost: **\$124**



**SCRAPER TEAM WORK**Task description: **Topsoil Placement (6" depth over 1 ac)**Site: **Simla Highway Pit**Permit Action: SR-01Permit/Job#: M1995095**PROJECT IDENTIFICATION**Task #: S20State: ColoradoAbbreviation: NoneDate: 5/2/2018County: El PasoFilename: M095-S20User: TC1Agency or organization name: DRMS**HOURLY EQUIPMENT**COSTShift basis: 1 per day

Equipment Description	
-Scraper:	Cat 623G
-Dozer:	NA
Support Equipment -Load Area:	NA
-Dump Area:	NA
Road Maintenance -Motor Grader:	NA
-Water Truck:	NA

**Cost Breakdown:****Scraper Work Team****Support Equipment****Maintenance Equipment**

	Scraper	Dozer	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	NA	NA	NA	NA	NA
Ownership cost/hour:	\$84.05	NA	NA	NA	NA	NA
Operating cost/hour:	\$85.92	NA	NA	NA	NA	NA
%Utilization-ripper:	NA	NA	NA	NA	NA	NA
Ripper own. cost/hour:	NA	NA	NA	NA	NA	NA
Ripper op. cost/hour:	NA	NA	NA	NA	NA	NA
Operator cost/hour:	\$41.46	NA	NA	NA	NA	NA
Unit Subtotals:	\$211.43	NA	NA	NA	NA	NA
Number of Units:	1	0	0	0	0	0
Group Subtotals:	Work: \$211.43		Support:	\$0.00	Maint:	\$0.00

Total work team cost/hour: **\$211.43****MATERIAL QUANTITIES**Initial volume: 806

CCY

Swell factor: 1.115Loose volume: **899**

LCY

Source of estimated volume: AM-01 Exh D subtracting Google Earth 1.13-ac Sed PondSource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION****Scraper Bowl (volume) Basis:**

Material weight:	<u>2,100 lbs/LCY</u>	Struck Volume:	<u>18.00</u>	LCY
Material description:	<u>Earth - Loam</u>	Heaped Volume:	<u>23.00</u>	LCY
Rated Payload:	<u>55,200 pounds</u>	Average Volume:	<u>20.50</u>	LCY
Payload Capacity:	<u>26.29 LCY</u>	Adjusted Capacity:	<b><u>20.50</u></b>	LCY



Cycle Time:Scraper Loading Time: 0.90 MinutesManeuver and Spread Time: 0.70 MinutesJob Condition Correction:

Site Altitude: 6380 feet

	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, 1" tire penetration 4.0Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	800.00	-1.30	4.00	2.70	2189	0.59

Haul Time: 0.59 minutesReturn Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	800.00	1.30	4.00	5.30	2359	0.59

Return Time: 0.59 minutesTotal Scraper team cycle time: 2.78 minutesAdjusted for job conditions: 367.23 LCY/HourSelected Number of Scrapers: 1 Scraper(s)Adjusted single scraper team (unit) hourly production: 367.23 LCY/HourAdjusted multiple scraper team (fleet) hourly production: 367.23 LCY/HourUnadjusted unit production/hour: 442.45 LCY/Hour

Optimal Number of Scrapers per push dozer: \_\_\_\_\_

**JOB TIME AND COST**Fleet size: 1 Team(s)Total job time: 2.45 HoursUnit cost: \$0.576 /LCYTotal job cost: \$517



**REVEGETATION WORK**Task description: Revege 4 acres (assuming 25% failure Rate)Site: Simla Highway PitPermit Action: SR-01Permit/Job#: M1995095**PROJECT IDENTIFICATION**Task #: S30State: ColoradoAbbreviation: NoneDate: 5/2/2018County: El PasoFilename: M095-S30User: TC1Agency or organization name: DRMS**FERTILIZING****Materials**

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

**Application**

Description	Cost /Acre
	\$
<b>Total Fertilizer Application Cost/Acre</b>	<b>\$0.00</b>

**TILLING**

Description	Cost /Acre
Weed control spraying (MEANS 31 31 16.13 3100)	\$242.00
<b>Total Tilling Cost/Acre</b>	<b>\$242.00</b>

**SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Switchgrass - Blackwell	4.50	40.19	\$43.11
Indiangrass - Holt	10.00	30.49	\$172.00
Sideoats Grama - Vaughn	9.00	29.55	\$90.00
Sand Bluestem - Woodward	16.00	41.51	\$408.00
Prairie Sandreed - Goshen	6.50	40.74	\$68.12
<b>Totals Seed Mix</b>	<b>46.00</b>	<b>182.46</b>	<b>\$781.23</b>



**Application**

Description	Cost /Acre
	\$0.00
<b>Total Seed Application Cost/Acre</b>	<b>\$0.00</b>

**MULCHING and MISCELLANEOUS****Materials**

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

**Application**

Description	Cost /Acre
	\$
<b>Total Mulch Application Cost/Acre</b>	<b>\$0.00</b>

**NURSERY STOCK PLANTING**

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

**JOB TIME AND COST**

No. of Acres:	1	Cost /Acre:	\$1,023.23
Estimated Failure Rate:	12.5%	Cost /Acre*:	\$781.23
*Selected Replanting Work Items:	SEEDING		

Initial Job Cost:	<b>\$1,023.23</b>
Reseeding Job Cost:	<b>\$97.65</b>
Total Job Cost:	<b>\$1,121</b>
Job Hours:	<b>30.00</b>



**REVEGETATION WORK**Task description: Revege 1 acre active areaSite: Simla Highway PitPermit Action: SR-01Permit/Job#: M1995095**PROJECT IDENTIFICATION**Task #: S31State: ColoradoAbbreviation: NoneDate: 5/2/2018County: El PasoFilename: M095-S31User: TC1Agency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Ammonium nitrate, 33-0-0	40.00	pound	\$0.34	\$13.60
Triple superphosphate, 0-46-0	40.00	pound	\$0.43	\$17.20
			<b>Total Fertilizer Materials Cost/Acre</b>	<b>\$30.80</b>

**Application**

Description	Cost /Acre
Tractor towed spreader (MEANS 32 01 90.13 0120)	\$144.62
<b>Total Fertilizer Application Cost/Acre</b>	<b>\$144.62</b>

**TILLING**

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$106.29
Weed control spraying (MEANS 31 31 16.13 3100)	\$242.00
<b>Total Tilling Cost/Acre</b>	<b>\$348.29</b>

**SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Switchgrass - Blackwell	4.50	40.19	\$43.11
Indiangrass - Holt	10.00	30.49	\$172.00
Sideoats Grama - Vaughn	9.00	29.55	\$90.00
Sand Bluestem - Woodward	16.00	41.51	\$408.00
Prairie Sandreed - Goshen	6.50	40.74	\$68.12
<b>Totals Seed Mix</b>	<b>46.00</b>	<b>182.46</b>	<b>\$781.23</b>

**Application**



Description	Cost /Acre
	\$0.00
<b>Total Seed Application Cost/Acre</b>	<b>\$0.00</b>

**MULCHING and MISCELLANEOUS****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$261.00	\$522.00
<b>Total Mulch Materials Cost/Acre</b>				<b>\$522.00</b>

**Application**

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$66.02
Power mulcher (MEANS 32 91 13.16 0350)	\$99.32
<b>Total Mulch Application Cost/Acre</b>	<b>\$165.34</b>

**NURSERY STOCK PLANTING**

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

**JOB TIME AND COST**

No. of Acres: 1 Cost /Acre: \$1,992.28  
 Estimated Failure Rate: 25% Cost /Acre\*: \$1,992.28  
 \*Selected Replanting Work Items: FERTILIZING,TILLING,SEEDING,MU  
LCHING

Initial Job Cost: **\$1,992.28**  
 Reseeding Job Cost: **\$498.07**  
 Total Job Cost: **\$2,490**  
 Job Hours: **30.00**



**EQUIPMENT MOBILIZATION/DEMOBILIZATION**Task description: **Mob/Demob**Site: **Simla Highway Pit**Permit Action: **SR-01**Permit/Job#: **M1995095****PROJECT IDENTIFICATION**Task #: **S40**State: **Colorado**Abbreviation: **None**Date: **5/2/2018**County: **El Paso**Filename: **M095-S40**User: **TC1**Agency or organization name: **DRMS****EQUIPMENT TRANSPORT RIG COST**Shift basis: **1 per day**Cost Data Source: **CRG Data**Truck Tractor Description: **GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWERED,  
400 HP (2ND HALF, 2006)**Truck Trailer Description: **GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT  
TRAILER (25T, 50T, AND 100T)****Cost Breakdown:**

<b>Available Rig Capacities</b>	<b>0-25 Tons</b>	<b>26-50 Tons</b>	<b>51+ Tons</b>
Ownership Cost/Hour:	\$16.63	\$18.37	\$22.33
Operating Cost/Hour:	\$44.38	\$46.13	\$50.07
Operator Cost/Hour:	\$27.66	\$27.66	\$27.66
Helper Cost/Hour:	\$0.00	\$25.39	\$25.39
Total Unit Cost/Hour:	\$88.67	\$117.55	\$125.45

**NON ROADABLE EQUIPMENT:**

Machine Description	Weight/ Unit (TONS)	Owner ship Cost/hr/ unit	Haul Rig Cost/hr/unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Cat 623G	41.35	\$84.05	\$117.55	1	\$201.60	\$117.55	\$250.00
Drill/Broadcast Seeder with Tractor	25.00	\$12.22	\$88.67	1	\$100.89	\$88.67	\$250.00
Power Mulcher (Bowie LD-90)	6.00	\$7.03	\$88.67	1	\$95.70	\$88.67	\$250.00
Cat D8T - 8SU	47.71	\$83.81	\$117.55	1	\$201.36	\$117.55	\$250.00

Subtotals: **\$599.55** **\$412.44** **\$1,000.00****ROADABLE EQUIPMENT:**

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



**EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region:	<u>LIMON</u>	
Total one-way travel distance:	<u>27.00</u>	miles
Average Travel Speed:	<u>55.00</u>	mph

Total Non-Roadable Mob/Demob Cost *	<u>\$3,593.14</u>
'* two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	<u>\$0.00</u>
** one round trip, no haul rig:	

**Transportation Cycle Time:**

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	<u>0.49</u>	<u>0.49</u>
Return Time (Hours):	<u>0.49</u>	<u>0.49</u>
Loading Time (Hours):	<u>0.25</u>	<u>NA</u>
Unloading Time (Hours):	<u>0.25</u>	<u>NA</u>
Subtotals:	<u>1.48</u>	<u>0.98</u>

**JOB TIME AND COST**

Total job time: 2.96 Hours

Total job cost: \$3,593