

**AUGUST 2001 FIRE COMPLEX  
BURNED AREA EMERGENCY STABILIZATION REHABILITATION PLAN**

**Part F-SPECIFICATIONS**

<b>SPECIFICATION TITLE:</b>	SUPPRESSION - DOZER LINES	<b>AGENCY:</b>	BLM, Elko Field Office
<b>PART E LINE ITEM:</b>	#7 O-2, DOZER LINE REHABILITATION	<b>FISCAL YEAR(S) (list each year):</b>	2002 - 2004

**I. WORK TO BE DONE**

**Number and Describe Each Task:**

A. General Description: Dozer line rehabilitation will generally be rehabilitated with dozers on slopes up to 40%. Hand crews will be used on slopes greater than 40%. Hand crews will also work behind dozers and complete rehabilitation at locations determined to be impracticable for dozer rehabilitation by dozer operators.

B. Location (Suitable) Sites: See Fire Suppression Dozer Line Location Map (SEE MAP INDEX, TREATMENT SECTION).

C. Design/Construction Specifications:

**1. Pull Berms:** Pull Berms back over dozer lines, recontouring the land surface.

**2. Slash Placement:** Scatter available brush on slopes steeper than 20%.

**3. Out Sloping Cut and Fills:**

A. Degree of out slope should be between 2 and 10%. If the road grade exceeds maximum allowable out slope, rolling dips or water bars should be included in design (see daigram below).

B. No material shall be side cast from the road as a result of blading operations.

C. All cut and fill slopes shall be made smooth and continuous with no ridges, gaps or depressions which may act to concentrate water.

**4. Crown Dozer Line on Ridge Tops**

A. On ridge tops berms should be pulled onto the ridge line to allow water to sheet off the ridge and prevent water from channeling down the dozer line.

B. Material pulled back onto the line should be compacted.

**5. Waterbars (See Diagram Below)**

A. Where grades exceed 10%, berms to serve as waterbars should be installed at

approximately a 45 degree angle to the slope. The berms should be a minimum of 3-feet high when compacted.

B. No materials shall be side cast into stream channels as a result of construction.

D. Purpose of Treatment Specifications: To prevent surface and gully erosion.

\*\* Since all costs were charged to the fire suppression account and not ESR, costs are not itemized in this specification.

**II. LABOR, MATERIALS AND OTHER COST:**

<b>▶ PERSONNEL SERVICES: (Grade @ Cost/Hours X # Hours X # Fiscal Years = Cost/Item): Do not include contract personnel costs here (see contractor services below).</b>	<b>COST/ITEM</b>
Dozer Boss GS 7 @ \$17.00 per hour x 10 hours x 60 days x 2 person x 1 year	\$20,400.00
Project Inspector GS 11 @ \$25.00 per hour x 10 hours x 60 days x 1 person x 1 year	\$15,000.00
TOTAL PERSONNEL SERVICE COST	<b>\$35,400.00</b>
<b>▶ EQUIPMENT PURCHASE, LEASE AND/OR RENT (Item @ Cost/Hour X # of Hours X #Fiscal Years = Cost/Item): Note: Purchases require written justification that demonstrates cost benefits over leasing or renting.</b>	<b>COST/ITEM</b>
Vehicle Rental cost @ \$1000 per month x 2 months x 2 vehicles x 1 year	\$4,000.00
Vehicle Maintenance cost @ \$0.17 per mile x 15000 miles x 2 vehicles x 1 year	\$5,100.00
Vehicle fuel cost @ \$40.00 per day x 60 days x 1 year	\$2,400.00
TOTAL EQUIPMENT PURCHASE, LEASE OR RENTAL COST	<b>\$11,500.00</b>
<b>▶ MATERIALS AND SUPPLIES (Item @ Cost/Each X Quantity X #Fiscal Years = Cost/Item):</b>	<b>COST/ITEM</b>
TOTAL MATERIALS AND SUPPLY COST	
<b>▶ TRAVEL COST (Personnel or Equipment @ Rate X Round Trips X #Fiscal Years = Cost/Item):</b>	<b>COST/ITEM</b>
TOTAL TRAVEL COST	
<b>▶ CONTRACT COST (Labor or Equipment @ Cost/Hour X #Hours X #Fiscal Years = Cost/Item):</b>	<b>COST/ITEM</b>
7% Contract Administration & Oversight of Dozer and transport	\$0.00
Transport @ 2.55 per mile x 3600 miles x 1 Transports x 1 Year	\$9,180.00
D6 Dozer @ \$1250 per day x 60 days x 2 dozers x 1 Year	\$150,000.00
Track Hoe @ 120 per hour x 24 hours x 1 year	\$2,880.00
TOTAL CONTRACT COST	<b>\$162,060.00</b>

**SPECIFICATION COST SUMMARY**

FISCAL YEAR	UNIT	UNITS COST	# OF UNITS	COST	FUNDING SOURCE	METHOD
FY 1	miles	\$3,999.22	51	\$203,960.00	F	
FY 2	fires	\$2,500.00	2	\$5,000.00		
FY 3						
<b>TOTAL</b>		<b>\$4,097.25</b>		<b>\$208,960.00</b>	<b>F</b>	

**FUNDING SOURCE**

**F** - Suppression Operations

**EFR** - Emergency Fire Rehabilitation

**EWP** - Emergency Watershed Protection

**OP/O** - Agency Operations/Other

**METHODS**

**P** - Agency Personnel Services

**C** - Contract (long-term)

**EFC** - Emergency Fire Contract (short-term)

**FC** - Incident Management Crew Assignment

**SOURCE OF COST ESTIMATE**

1. Estimate obtained from 2-3 independent contractual sources.	
2. Documented cost figures from similar project work obtained from local agency sources.	
3. Estimate supported by cost guides from independent sources or other federal agencies	
4. Estimates based upon government wage rates and material cost.	
5. No cost estimate required - cost charged to Fire Suppression Account	

P = Personnel Services, E = Equipment M = Materials/Supplies, T = Travel, C = Contract, F = Suppression

**III. RELEVANT DETAILS, MAPS AND DOCUMENTATION INCLUDED IN THIS REPORT:**

List Relevant Documentation and Cross-Reference Location within ESR Plan Accomplishment Report (for Rehabilitation treatments quote (include page number, approving officials name, and date approved for review and auditing purposes) pertinent passages from approved land management plans:

**IV. TOTAL COST BY FIRE**

FIRE NAME	UNITS TREATED	COST
Buffalo	11.0 miles of dozer line / 1 safety zone	\$43,991.37
Dee Gold	2.0 miles road reclaim	\$2,500.00
Hot Lake	1 drainage	\$2,500.00
	14.0 mile of dozer line	\$55,989.02
North Delano	7.0 miles dozer line	\$27,994.51
Ranch	5.0 miles of dozer line	\$19,996.08
Sheep	7.0 miles of dozer line	\$27,994.51
Stag	7.0 miles of dozer line	\$27,994.51
<b>TOTAL COST</b>		<b>\$208,960.00</b>