

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

**PART F - SPECIFICATIONS**

<b>SPECIFICATION TITLE:</b>	<b>SUPPRESSION - ROADS</b>	<b>AGENCY:</b>	<b>BLM, Elko Field Office</b>
<b>PART E LINE ITEM:</b>	<b>#8 0 - 3 ROAD REHABILITATION</b>	<b>FISCAL YEAR(S) (list each year):</b>	<b>2002 - 2004</b>

**I. WORK TO BE DONE** (describe or attach exact specifications of work to be done):

<p><b>Number and Describe Each Task:</b></p> <p><b>A. General Description:</b> Rehabilitation of preexisting roads is necessary to provide safe and adequate travel-ways and to avoid erosion gullies and ponding on road surfaces due to blockage of drainage diversions by berms. The intent is not to improve the roads beyond the pre-existing condition but to reestablish roadway surfaces and drainage for public safety. Road regrading should occur after sufficient moisture is available to reconstruct roads to pre-fire condition. Many of these roads provide primary access to private property, permittee allotments, recreational users, and the public at large</p> <p><b>Equipment Use:</b> Motor graders, assisted by other equipment to improve there effectiveness, are generally the preferred equipment to grade roads. Graveling will generally be done with 10-wheel dump trucks and/or 18-wheel belly dumps for hauling gravel, with the trucks being loaded with front-end loaders.</p> <p><b>B. Location (Suitable) Sites:</b> See treatment map for location of road regrading.</p> <p><b>C. Design/Construction Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Pull berm on outside edge of road, including side cast material, back onto road surface.</li> <li>2. Maintain integrity of natural drainages; reestablish rolling dips where damaged.</li> <li>3. Spot gravel critical areas.</li> </ol> <p><b>D. Purpose of Treatment Specifications:</b> Protect the users, reduce hazards, and prevent further deterioration of roads. <b>See Operation Assessment.</b></p>
---

**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>
GS-11 @ \$25.00/hour x 10 hours/day x 60 days x 1 year	\$15,000.00
Force Account Crew @ \$100.00/hour x 10 hours/day x 120 days x 1 year	\$120,000.00
<b>TOTAL PERSONNEL SERVICE COST</b>	<b>\$135,000.00</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>
20 cubic yard Belly Dump truck @\$750/day x 3 trucks x 60 days x 1 year	\$135,000.00

Water Tender @ \$650/hour x 2 Tenders x 120 days x 1 year	\$156,000.00
<b>TOTAL EQUIPMENT PURCHASE, LEASE OR RENTAL COST</b>	<b>\$291,000.00</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	\$0.00
<b>► TRAVEL COST (Personnel or Equipment @ Rate X Round Trips X #Fiscal Years = Cost/Item):</b>	<b>COST/ITEM</b>
Fuel for support vehicle @ \$50/day x 120days x 1 year	\$6,000.00
<b>TOTAL TRAVEL COST</b>	<b>\$6,000.00</b>
<b>CONTRACT COST (Labor or Equipment @ Cost/Hour X #Hours X #Fiscal Years = Cost/Item):</b>	<b>COST/ITEM</b>
% .07 program administration	\$34,048.00
Road grading: 119 miles (total miles) at \$1,000/ mile	\$119,000.00
Road grading: 44 miles (total miles) at \$1,500/ mile	\$66,000.00
Road Gravel: 1,370 cu. yards/ mile x \$5/yard x 44.0 miles x 1year	\$301,400.00
<b>TOTAL CONTRACT COST</b>	<b>\$520,448.00</b>

**SPECIFICATION COST SUMMARY**

FISCAL YEAR	UNIT	UNITS COST	# OF UNITS	COST	FUNDING SOURCE	METHOD
FY 2002	mile	\$15,391.11	44.0	\$677,209.00	F	P/C
FY 2002	mile	\$2,312.93	119	\$275,239.00	F	P/C
FY 2002	Culvert	\$3,000.00	4.0	\$12,000.00	F	P/C
FY 2002	Cattleguards	\$13,000.00	5.0	\$65,000.00	F	P/C
FY 2002	Low Water Crossing	\$23,545.00	1.0	\$23,545.00	F	P/C
FY 2003						
FY 2004						
<b>TOTAL</b>				<b>\$1,052,993.00</b>	<b>F</b>	<b>P/C</b>

**FUNDING SOURCES:**

- F** = Fire Suppression
- ESR** = Emergency Stabilization Rehabilitation
- OP** = Agency Operating Fund
- O** = Other

**METHODS:**

- P** = Agency Personnel Services
- C** = Contract (long-term)
- EFC** = Emergency Fire Contract
- FC** = Crew Labor Assigned to Fire

**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.	P, M
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	F

P = Personnel Services, 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 BAER Report:  
See treatment map, Appendix III, Elko August Fire Complex BAER Plan

**IV. TOTAL COST BY FIRE**

<b>FIRE NAME</b>	<b>UNITS TREATED</b>	<b>COST</b>
Bailey	6.0	\$13,877.61
Buffalo	12.0	\$27,755.19
	12.0 miles gravel	\$184,693.35
Hot Lakes	26.0	\$60,136.26
	13.0 miles gravel	
	2 Culverts	\$6,000.00
Mile Marker 367	5.0	\$11,564.66
	3.0 miles gravel	\$46,173.34
North Delano	6.0	\$13,877.61
	6.0 miles gravel	\$92,346.68
	3 Cattle Guards	\$39,000.00
	Low Water Crossing	\$23,545.00
Rodeo Creek	4.0	\$9,251.74
Sheep	10.0	\$23,129.33
	3.0 miles gravel	\$46,173.34
Stag	28.0	\$64,762.13
	5.0 miles gravel	\$76,955.57
	2 Cattle Guards	\$26,000.00
	2 Culverts	\$6,000.00
Tabor Creek	22.0	\$50,884.53
	2.0 miles gravel	\$30,782.23
<b>TOTAL COST</b>		<b>\$1,052,993.00</b>