

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

**PART F - SPECIFICATIONS**

<b>SPECIFICATION TITLE:</b>	<b>CULTURAL RESOURCE INVENTORY OF LINEAR PROJECTS: BULLDOZER LINES, ROAD MAINTENANCE AND FENCES.</b>	<b>AGENCY:</b>	<b>BLM Elko F.O.</b>
<b>PART E LINE ITEM:</b>	<b>#28 C-1 Archaeological Resource Damage Assessment</b>	<b>FISCAL YEAR(S) (list each year):</b>	<b>2002 - 2004</b>

**I. WORK TO BE DONE**

<p><b>Number and Describe Each Task:</b></p> <p><b>A. General Description:</b> Suppression and rehabilitation efforts of linear projects at 13 fires during the period of July 25 through August 19 have damaged or may result in damages to cultural resources. Linear projects include bulldozer lines, road maintenance activities and new fence construction. Although the projects are dissimilar, the cultural resource inventory effort for each is similar and disparate projects may be put together in one contract. Thus, for the purposes of this plan they are treated together.</p> <p>Construction of approximately 235 miles of bulldozer line, safety zones, staging areas and helispots have potentially damaged many cultural resources. Secondary impacts to cultural resources from construction of bulldozer lines may result because these lines have opened areas to the public that were previously not accessible by road. However most dozer lines were surveyed during suppression and early post suppression phases.</p> <p>Several roads were damaged by fire fighting equipment either from repeated use by heavy vehicles or due widening of the roads or two-track trails so they could serve as firelines. The original fire fighting activities may have impacted cultural resources. Planned post-fire road maintenance could add to the damage. Cultural resource inventories are needed to assess the impacts and to prevent new impacts.</p> <p>New fences are planned to protect seedings or burn areas. These fences will be inventoried for cultural resources and rerouted as necessary to avoid eligible sites.</p> <p>This prescription will focus on the inventory of disturbed areas or areas which will be disturbed, and the evaluation of historic properties located for potential eligibility to the National Register of Historic Places. All dozer line, damaged roads and proposed new fences will receive survey coverage. Actual field experience may require modification of this assumption. Management recommendations will be developed for eligible historic properties in a manner responsive to the damage and the information potential of the site.</p> <p><b>B. Location (Suitable) Sites:</b> All areas of dozer line and mechanized ground disturbance.</p> <p><b>C. Design/Construction Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Archival research of existing field office records</li> <li>2. Consult with tribal organizations and knowledgeable individuals</li> <li>3. Obtain permission of all private land owners prior to entering private property</li> <li>4. Conduct field inventory. Record all sites on the forms required for the area. Prepare preliminary estimates of damage and significance for properties disturbed by line construction</li> <li>5. Prepare analysis of the potential effects to cultural properties</li> <li>6. Recommendations for evaluation of significance for potentially eligible properties</li> </ol> <p><b>D. Purpose of Treatment Specifications:</b> Identification, evaluation, protection and mitigation of significant cultural properties.</p>
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**II. LABOR, MATERIALS AND OTHER COST:**

▶ PERSONNEL SERVICES: (Grade @ Cost/Hours X # Hours X # Fiscal Years = Cost/Item Do not include contract personnel costs here (see contractor services below).	COST/ITEM
GS 11 @ 25.00/hour x 10 hour/day x 190 days x 1 year	\$47,500.00

GS 7 @ 17.00/hour x 10 hour/day x 380 days x 1 year	\$64,600.00
<b>TOTAL PERSONNEL SERVICE COST</b>	<b>\$112,100.00</b>
<b>► EQUIPMENT PURCHASE, LEASE AND /OR RENT (Item @ Cost/Hour X # of House X # Fiscal Years = Cost/Item): Note: Purchase require written justification that demonstrates cost benefits over leasing or renting.</b>	<b>COST/ITEM</b>
Vehicle Cost @ 1000 per month x 3 months x 2 vehicles x 1 year	\$6,000.00
Vehicle Cost @ .17 per mile x 6000 miles x 2 vehicles x 1 year	\$2,040.00
Vehicle Cost @ \$40 per day x 60 days x 2 vehicles x 1 year	\$4,800.00
<b>TOTAL EQUIPMENT PURCHASE, LEASE OR RENTAL COST</b>	<b>\$12,840.00</b>
<b>► MATERIALS AND SUPPLIES: (Item @ Cost/Each X Quantity X # Fiscal Years = Cost/Item:</b>	<b>COST/ITEM</b>
Flagging and marking supplies @ 200/year x 1 year	\$200.00
Film purchase and development @ \$15/roll x 15 rolls x 1 year	\$225.00
<b>TOTAL MATERIALS AND SUPPLY COST</b>	<b>\$425.00</b>
<b>► TRAVEL COST (Personnel or Equipment @ Rate X Round Trips X #Fiscal Years = Cost/Item:</b>	<b>COST/ITEM</b>
<b>TOTAL TRAVEL COST</b>	<b>N/A</b>
<b>► CONTRACT COST (Labor or Equipment @ Cost/Hour X # hours X #Fiscal Years = Cost/Item):</b>	
<b>TOTAL CONTRACT COST</b>	<b>N/A</b>

**SPECIFICATION COST SUMMARY**

FISCAL YEAR	UNIT	UNIT COST	# OF UNITS	COST	FUNDING SOURCE	METHOD
FY 1	Miles	\$327.24	272.1	\$89,042.26	F	P
FY 1	Miles	\$327.24	111.0	\$36,323.74	ESR	P
FY 2						
FY 3						
<b>TOTAL:</b>		<b>\$327.24</b>	<b>383.1</b>	<b>\$125,366.00</b>	<b>ESR</b>	<b>P</b>

**FUNDING SOURCES:**

**F** = Fire Suppression Account  
**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.	
3. Estimate supported by cost guides from independent sources or other federal agencies.	
4. Estimates based upon government wage rates and material cost.	P

5. No cost estimate required - cost charged to Fire Suppression Account.

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: Cost estimates are to be found in Incident File

**IV. TOTAL COST BY FIRE**

FIRE NAME	UNITS TREATED	COST
Bailey X297 Bulldozer Line Road Maintenance New Fence Total	3.7 Miles 6.0 Miles 2.8 Miles <b>12.5 Miles</b>	\$4,090.51
Buffalo X286 Bulldozer Line Road Maintenance New Fence Total	43.0 Miles 12.0 Miles 23.0 Miles <b>78.0 Miles</b>	\$25,524.79
Coyote X284 Bulldozer Line (survey completed) Road Maintenance New Fence Total	0 Miles 0 Miles 0 Miles <b>0.0 Miles</b>	\$0.00
Dee Gold X283 Bulldozer Line Road Maintenance New Fence Total	2.0 Miles 0 Miles 0 Miles <b>2.0 Miles</b>	\$654.48
Dunphy X282 Bulldozer Line Road Maintenance New Fence Total	8.4 Miles 0 Miles 5.0 Miles <b>13.4 Miles</b>	\$4,385.03
North Delano X257 Bulldozer Line (27 miles, survey complete) Road Maintenance New Fence Total	0 Miles 6.0 Miles 7.6 Miles <b>13.6 Miles</b>	\$4,450.48
Hot Lake X305 Bulldozer Line Road Maintenance New Permanent and Temporary Fence Total	57.0 Miles 26.0 Miles 11.2 Miles <b>94.2 Miles</b>	\$30,826.09
Ranch Fire K857 Bulldozer Line Road Maintenance New Permanent and Temporary Fence Total	16.0 Miles 0 Miles 16.2 Miles <b>32.1 Miles</b>	\$10,504.43
Rodeo Creek X272 Bulldozer Line Road Maintenance New Permanent and Temporary Fence Total	0 Miles 4.0 Miles 5.2 Miles <b>9.2 Miles</b>	\$3,010.62
Sheep X275 Bulldozer Line (29 total, 9 surveyed) Road Maintenance	20.0 Miles 10.0 Miles	\$10,897.12

New Permanent and Temporary Fence Total	3.0 Miles <b>33.3 Miles</b>	
Stag X246 Bulldozer Line (26.5 dozer; survey completed) Road Maintenance New Permanent and Temporary Fence Total	0 Miles 28.0 Miles 23.3 Miles <b>51.3 Miles</b>	\$16,787.47
Tabor Creek X231 Bulldozer Line (11 dozer line; partially surveyed) Road Maintenance New Permanent and Temporary Fence Total	3.0 Miles 22.0 Miles 13.5 Miles <b>38.5 Miles</b>	\$12,598.78
MM367 X256 Bulldozer Line Road Maintenance New Permanent and Temporary Fence Total	0 Miles 5.0 Miles 0 Miles <b>5.0 Miles</b>	\$1,636.20
<b>TOTAL COST</b>	<b>383.1 Miles</b>	<b>\$125,366.00</b>