

**DEPARTMENT OF THE INTERIOR
ELKO FIELD OFFICE
BURNED AREA EMERGENCY REHABILITATION PLAN AND ACCOMPLISHMENT REPORT**

PART F - SPECIFICATIONS

SPECIFICATION TITLE:	CULTURAL RESOURCE INVENTORY OF LINEAR PROJECTS: BULLDOZER LINES, ROAD MAINTENANCE AND FENCES.	AGENCY:	BLM Elko F.O.
PART E LINE ITEM:	C-1a Archaeological Resource Damage Assessment (BLM 98-148 III. K)	FISCAL YEAR(S) (list each year):	2001-2003

I. WORK TO BE DONE

Number and Describe Each Task:

A. General Description: Suppression and rehabilitation efforts of linear projects at 14 fires during the period of July 3 through July 9 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.

Construction of approximately 61.3 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.

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.

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.

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.

B. Location (Suitable) Sites: All areas of dozer line and mechanized ground disturbance.

C. Design/Construction Specifications:

1. Archival research of existing field office records
2. Consult with tribal organizations and knowledgeable individuals
3. Obtain permission of all private land owners prior to entering private property
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
5. Prepare analysis of the potential effects to cultural properties
6. Recommendations for evaluation of significance for potentially eligible properties

D. Purpose of Treatment Specifications: Identification, evaluation, protection and mitigation of significant cultural properties.

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 23 days x 1 year	\$5,750.00
GS 7 @ 17.00/hour x 10 hour/day x 46 days x 2 people x 1 year	\$15,640.00
TOTAL PERSONNEL SERVICE COST	\$21,390.00
▶ 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.	COST/ITEM
Vehicle Cost @ 1000 per month x 2 months x 2 vehicles x 1 year	\$4,000.00
Vehicle Cost @ .17 per mile x 3000 miles x 2 vehicles x 1 year	\$1,020.00
Vehicle Cost @ \$40 per day x 46 days x 2 vehicles x 1 year	\$3,680.00
TOTAL EQUIPMENT PURCHASE, LEASE OR RENTAL COST	\$8,700.00
▶ MATERIALS AND SUPPLIES: (Item @ Cost/Each X Quantity X # Fiscal Years = Cost/Item):	COST/ITEM
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
TOTAL MATERIALS AND SUPPLY COST	\$425.00
▶ TRAVEL COST (Personnel or Equipment @ Rate X Round Trips X #Fiscal Years = Cost/Item):	COST/ITEM
TOTAL TRAVEL COST	
▶ CONTRACT COST (Labor or Equipment @ Cost/Hour X # hours X #Fiscal Years = Cost/Item):	
Professional Services Contract, labor, per diem, overhead inclusive Example Calculation : Bishop Fire: 6.0 miles x 11.88 acres per mile x \$15.00 per acre = \$1069.20 NOTE: All linear surveys were calculated at the average rate of \$15/acre.	\$7,627.00
Contract Administration and oversight (4% to field office)	\$305.00
TOTAL CONTRACT COST	\$7,932.00

SPECIFICATION COST SUMMARY

FISCAL YEAR	UNIT	UNIT COST	# OF UNITS	COST	FUNDING SOURCE	METHOD
FY 1	Miles	\$898.29	16.0	\$14,372.71	F	
FY 1	Miles	\$898.29	26.8	\$24,074.29	ESR	C
FY 2				0		
FY 3				0		
TOTAL:		\$898.29	42.8	\$38,447.00	F/ ESR	C

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.	C
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
Bishop Bulldozer Line Road Maintenance New Fence Total	0 Miles 0 Miles 5.2 Miles 5.2 Miles	\$4671.13
Double Mountain Bulldozer Line Road Maintenance New Fence Total	0 Miles 12 Miles 3.0 Miles 15.0 Miles	\$13474.42
Isolation Bulldozer Line Road Maintenance New Fence Total	0.0 Miles 0 Miles 7.0 Miles 7.0 Miles	\$6288.06
Maggie Creek Bulldozer Line Road Maintenance New Fence Total	0.0 Miles 4.0 Miles 0 Miles 4.0 Miles	\$3593.18
Egbert Bulldozer Line Road Maintenance New Fence Total	0.0 Miles 0 Miles 5.0 Miles 5.0 Miles	\$4491.47
Upper Clover Bulldozer Line Road Maintenance New Fence Total	0.0 Miles 0 Miles 1.1 Miles 1.1 Miles	\$988.12
West Bullion Bulldozer Line Road Maintenance New Fence Total	0 Miles 0 Miles 1.5 Miles 1.5 Miles	\$1347.44
Wine Cup Bulldozer Line Road Maintenance New Fence Total	0.0 Miles 0 Miles 4.0 Miles 4.0 Miles	\$3593.18
TOTAL COST	42.8 Miles	\$38,447.00

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PART F - SPECIFICATIONS

SPECIFICATION TITLE:	CULTURAL RESOURCE INVENTORIES IN ADVANCE OF SEEDING SITE PREPARATION	AGENCY:	BLM Elko F.O.
PART E LINE ITEM:	C-1b Archaeological Resource Damage Assessment (BLM 98-148 III. K)	FISCAL YEAR(S) (list each year):	2001 - 2003

I. WORK TO BE DONE

<p>Number and Describe Each Task:</p> <p>A. General Description: Areas designated for mechanized seeding for the control of undesirable species and erosion will be inventoried for potential cultural resources. This prescription will focus entirely upon the inventory of disturbed areas and avoidance of cultural resources as specified in Appendix F, Section J (pp 42-43) of the State Protocol Agreement Between the BLM Nevada and the Nevada SHPO. Inventory standards will vary depending on the type of planned treatment and cultural resource sensitivity. The following are minimal standards. Fire rehabilitation activities that involve mechanized surface disturbance less than 10cm depth will generally have transect spacing of 100 meters. More intense inventory will be used for highly sensitive areas. If surface disturbance is greater than 10cm, then 30 meter transect intervals will be used. The BLM, through informal discussions, can agree to modify the inventory approach for individual rehabilitation undertakings.</p> <p>All cultural resources discovered or relocated will be plotted on maps and at a minimum will be recorded on the Nevada IMACS short form. Resources except those previously determined not eligible by BLM and SHPO, or that have been fully mitigated, will be flagged for avoidance and avoided during rehabilitation activities. Flagging will be placed to minimize the potential for looting and vandalism and removed as soon as possible after re-seeding is completed. Sites will be hand seeded for camouflage as appropriate.</p> <p>B. Location (Suitable) Sites: As designated by the Elko Field Office - 551 acres(class II) and 254 acres (class III)</p> <p>C. Design/Construction Specifications:</p> <ol style="list-style-type: none"> 1. Archival research of field office records 2. Consult with tribal organizations and knowledgeable individuals 3. Obtain permission of all private land owners prior to entering private property 4. Conduct field inventory in accordance with the procedures outlined in Appendix F, Part J of the State Protocol Agreement between the Nevada BLM and the Nevada State Historic Preservation Office.. 5. Flag or otherwise identify sites for avoidance. Prepare analysis of the potential effects to cultural properties 6. Recommendations for evaluation of significance for potentially eligible properties <p>D. Purpose of Treatment Specifications: to protect potentially eligible (significant) historic properties from disturbance during seeding operations.</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 x 10 hour/day x 14 days x 1 year	\$3,500.00
GS 7 @ 17.00 x 10 hour/day x 14 days x 2 people x 1 year	\$4,760.00
TOTAL PERSONNEL SERVICE COST	\$8,260.00
▶ 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.	COST/ITEM
Vehicle Cost @ 33.00 per days x 14 days x 2 vehicles x 1 year	\$924.00
Vehicle Cost @ .17 per mile x 3500 miles x 2 vehicles x 1 year	\$1,190.00
Vehicle Cost @ \$40 per day x 14 days x 2 vehicles x 1 year	\$1,120.00
TOTAL EQUIPMENT PURCHASE, LEASE OR RENTAL COST	\$3,234.00
▶ MATERIALS AND SUPPLIES: (Item @ Cost/Each X Quantity X # Fiscal Years = Cost/Item:	COST/ITEM
Flagging and marking supplies @ 100/year x 1 year	\$100.00
Film purchase and development @ \$15/roll x 2 rolls x 1 year	\$30.00
TOTAL MATERIALS AND SUPPLY COST	\$130.00
▶ TRAVEL COST (Personnel or Equipment @ Rate X Round Trips X #Fiscal Years = Cost/Item:	COST/ITEM
TOTAL TRAVEL COST	
▶ CONTRACT COST (Labor or Equipment @ Cost/Hour X #Hours X #Fiscal Years = Cost/Item):	COST/ITEM
Professional Services Contract, labor, per diem, overhead inclusive - Example Calculation: Egbert Fire: 551 acres Class II survey @ \$10.00/acre = \$5510.00. Upper Clover Fire: 245 acres Class III survey @ \$15.00/acre = \$3675.00.	\$9,185.00
Contract administration and oversight (4% to field office)	\$367.00
TOTAL CONTRACT COST	\$9,552.00

SPECIFICATION COST SUMMARY

FISCAL YEAR	UNIT	UNIT COST	# OF UNITS	COST	FUNDING SOURCE	METHOD
FY 1	Acres	\$26.60	796	\$21,176.00	ESR	C / P
FY 2						
FY 3						
TOTAL:		\$26.60	796	\$21,176.00	ESR	C / P

FUNDING SOURCES:

F = Fire Suppression Account
EFR = 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.	C
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: Refer to vegetative reseeding maps in report and incident files

IV. TOTAL COST BY FIRE

FIRE NAME	UNITS TREATED	COST
Egbert Drill Seeding	551	\$14,658.00
Upper Clover Drill Seeding	245	\$6,518.00
TOTAL COST	796 acres	\$21,176.00

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PART F - SPECIFICATIONS

SPECIFICATION TITLE:	HISTORIC STRUCTURE CONDITION, ASSESSMENT AND REHABILITATION	AGENCY:	BLM Elko F.O.
PART E LINE ITEM:	C-2a Historic Structure Damage Assessment (BLM 98-148 III. K)	FISCAL YEAR(S) (list each year):	2001 - 2003

I. WORK TO BE DONE

Number and Describe Each Task:

A1. General Description: Impacts to the California Trail north of Wells, Nevada have resulted from fire suppression during the Winecup and Bishop fires. Additionally, the signs along the California Trail have burned in this area during both fires and during the South Cricket fire 2000. Better signing in this area as well as replacement of existing, burnt-over signs is necessary. The location of the trail is well-known from the Oregon-California Trail Association maps but digitizing of the maps has not been accurate enough to help during suppression efforts.

A2. Prehistoric archaeological site CRNV-12-11213 was damaged by the West Bullion Fire. The amount of damage to the site and the National Register of the site are both unknown. The only way to assess the damage and status is by further testing. Should the damage and National register assessments both show that suppression efforts damaged a National Register eligible site, then recovery will recover all potential information from the archaeological site.

A3. Prehistoric archaeological site CRNV-12-11214 was damaged by the Bishop Fire. The amount of damage to the site and the National Register of the site are both unknown. The only way to assess the damage and status is by further testing. Should the damage and National register assessments both show that suppression efforts damaged a National Register eligible site, then recovery will recover all potential information from the archaeological site.

B. Location (Suitable) Sites: Willow Creek road and Highway 93 area of the California Trail, Elko Hills, and approximately ten miles North of Wells, Nevada.

C. Design/Construction Specifications:

1. **(A1)** Make a more accurate, digitized map of the California Trail using field generated GPS data and archival research.
2. **(A1)** Place Carsonite signs along the California Trail in the area at all road intersections, at dozer line crossings and Quarter-mile intervals in the fire area.
3. **(A1-A3)** Undertake archival research of available records.
4. **(A1, A2)** Inventory the site using transect intervals of 5 meters or less.
5. **(A1, A2)** Describe and illustrate/photograph all artifact concentrations, features and artifacts within the site.
6. **(A1, A2)** Map the site, artifact concentrations, features and formed artifacts to sub-meter accuracy utilizing a GPS unit. A fixed datum is to be left in the site.
7. **(A1, A2)** Collect surface tools (after mapping).
8. **(A2)** Excavate 2-4 1m x 1m units to determine possibility of subsurface component to site or near-surface features
9. **(A3)** Excavate 2-0.5m x 1m units to determine possibility of subsurface component to site or near-surface features
10. **(A2, A3)** Prepare damage assessment and evaluation of National Register status of the site.
11. **(A2)** If necessary. Perform data recovery of CRNV 12-11213 (data recovery plan preparation, SHPO consultation and excavation). This would be accomplished by amending the existing BAER plan.

D. Purpose of Treatment Specifications: Mark and record the California Trail to help prevent future suppression damage to the California National Historic Trail in the affected areas (Bishop and Winecup fires). Assess fire damage and suppression damage and assess National Register status of two archeological site, CRNV 12-11213 and 12-11214

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 15 days x 1 year	\$3,750.00
GS 7 @ 17.00/hour x 10 hour/day x 15 days x 2 people x 1 year	\$5,100.00
TOTAL PERSONNEL SERVICE COST	\$8,850.00
▶ 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.	COST/ITEM
Vehicle Cost @ 33.00 per days x 15 days x 2 vehicles x 1 year	\$990.00
Vehicle Cost @ .17 per mile x 2000 miles x 2 vehicles x 1 year	\$680.00
Vehicle Cost @ \$40 per day x 15 days x 2 vehicles x 1 year	\$1,200.00
TOTAL EQUIPMENT PURCHASE, LEASE OR RENTAL COST	\$2,870.00
▶ MATERIALS AND SUPPLIES: (Item @ Cost/Each X Quantity X # Fiscal Years = Cost/Item):	COST/ITEM
Flagging and marking supplies @ 200/year x 1 year	\$200.00
Film purchase and development @ \$15/roll x 6 rolls x 1 year	\$90.00
TOTAL MATERIALS AND SUPPLY COST	\$290.00
▶ TRAVEL COST (Personnel or Equipment @ Rate X Round Trips X #Fiscal Years = Cost/Item):	COST/ITEM
TOTAL TRAVEL COST	
▶ CONTRACT COST (Labor or Equipment @ Cost/Hour X #Hours X #Fiscal Years = Cost/Item):	COST/ITEM
Professional Services Contract, labor, per diem, overhead inclusive but exclusive of data recovery.	\$7,000.00
4% Contract administration and oversight to Agency	\$280.00
TOTAL CONTRACT COST	\$7,280.00

SPECIFICATION COST SUMMARY

FISCAL YEAR	UNIT	UNIT COST	# OF UNITS	COST	FUNDING SOURCE	METHOD
FY 1	Fires	\$6,430.00	3	\$19,290.00	ESR	P / C
FY 2						
FY 3						
TOTAL:		\$6,430.00		\$19,290.00	ESR	P / C

FUNDING SOURCES:

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METHODS:

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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
3. Estimate supported by cost guides from independent sources or other federal agencies.	C
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: Sensitive site information. Site is not shown in report. Refer to incident file
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IV.

TOTAL COST BY FIRE

FIRE NAME	UNITS TREATED	COST
Bishop	1	\$6,430.00
West Bullion	1	\$6,430.00
Winecup	1	\$6,430.00
TOTAL COST		\$19,290.00