

**BUREAU OF LAND MANAGEMENT  
ELKO FIELD OFFICE  
BURNED AREA EMERGENCY REHABILITATION PLAN AND ACCOMPLISHMENT REPORT**

**PART F - SPECIFICATIONS**

<b>SPECIFICATION TITLE:</b>	<b>DOZER LINE RESEEDING (AERIAL OR DRILLED)</b>	<b>AGENCY:</b>	<b>BLM, Elko Field Office</b>
<b>PART E LINE ITEM:</b>	<b>W-1b Grass Reseeding (BLM 98-148 III M)</b>	<b>FISCAL YEAR(S) (list each year):</b>	<b>2001 - 2003</b>

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

<p>Number and Describe Each Task:</p> <p>A. General Description: Seeding is to be completed via rangeland drill or helicopter. The District staff and equipment, primarily transport vehicles, will be used to move seed to and load seed from strategic staging points in close proximity to each fire. The need for seeding, seed selection and application rates were determined in consultation with local area resource management staff. Seeding will serve as an immediate, temporary ground cover to decrease surface erosion and help prevent invasion of exotic plants.</p> <p>B. Location/(Suitable) Sites: All designated exterior dozer and fire lines. (See Appendix III, Treatment Map for fire line locations).</p> <p>C. Design/Construction Specifications:</p> <p><b>SEE ATTACHED SEED MIX</b></p> <p>1. SEED MIXTURE SELECTION AND CERTIFICATION: The seed mixture for the Elko Field Office fire lines was selected by the BAER Team Vegetation Specialist, Soil Scientist and Hydrologist in consultation with local agency staff based on agency staff policies, regulations and mandates. Seeds should be tested for purity and germination rates. Before accepting delivery of seed shipment the contractor must provide written evidence (seed label and letter) to the Resource Advisor that the seed conforms to the purity and germination requirements in the specification. Test methods specified in Rules for Testing Seeds, Proceedings of the Association of Official Seed Analyst will be accepted for determining the germination rate. Seed designated without a purity or germination rate shall be labeled to include name (month and year) collected, and the name and address of the seed supplier.</p> <p>1. Equipment Requirements: Scales for weighing, buckets.</p> <p>2. Application Rate: Seed will be applied at approximately 10 pounds per acre.</p> <p>3. Seed Mixing: When mixing seeds of very different sizes and weights care must be taken to ensure that seeds are evenly distributed in the mixture to insure even on-ground distribution. Since smaller and heavier seeds will settle to the bottom of the mix it may be necessary to periodically shake the transportation containers to redistribute seeds.</p> <p>4. Reseeding: Seed is to be applied as soon as the seed is available. Seeds must be spread as uniformly as possible over the entire rehabilitated area. Helicopter and rangeland seeding rates should be calibrated by test trials in accordance with spread ("seed throw") calculations prior to the initiation of operations. As operations are initiated, correct seeding rates must be verified on the ground from calculations made by assigned field observers.</p> <p>D. Purpose of Treatment Specifications: For rapid establishment of ground cover to prevent erosion on fire line.</p>
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**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>
Tractor/Dozer Boss GS 7 @ \$17.00 per hour x 200 hours x 2 people x 1 year	\$6,800.00
Project Inspector GS 11 @ \$25.00 per hour x 200 hours x 2 people x 1 year	\$10,000.00
Helicopter Loading crew ( inc. premium pay) GS-5 @ \$225 day x 4 people x 4 days x 1 Year	\$3,600.00
Helicopter Manager ( inc. premium pay) GS-9 @ \$350 day x 4 days x 1 Year	\$1,400.00
<b>TOTAL PERSONNEL SERVICE COST</b>	<b>\$21,800.00</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>
Helicopter @ \$1200/hr x 8 hours/day x 4 days x 1 year	\$38,400.00
<b>TOTAL EQUIPMENT PURCHASE, LEASE OR RENTAL COST</b>	<b>\$38,400.00</b>
<b>▶ MATERIALS AND SUPPLIES (Item @ Cost/Each X Quantity X #Fiscal Years = Cost/Item):</b>	<b>COST/ITEM</b>
Low-Elevation seed mixture cost: \$ 3.70 / lb x 18088 lbs x 1 year	\$66,926.00
<b>TOTAL MATERIALS AND SUPPLY COST</b>	<b>\$66,926.00</b>
<b>▶ TRAVEL COST (Personnel or Equipment @ Rate X Round Trips X #Fiscal Years = Cost/Item):</b>	<b>COST/ITEM</b>
Seed transport, staging and loading/operation support by District personnel:	
flat bed trucks for seed movement: 20days @ \$ 125/day x 1 Year	\$2,500.00
Fuel for Support Vehicles \$40 / day x 20 days x 1 Year	\$800.00
Misc Equipment and Support Costs \$100 / day x 20 days x 1 Year	\$2,000.00
<b>TOTAL TRAVEL COST</b>	<b>\$5,300.00</b>
<b>CONTRACT COST (Labor or Equipment @ Cost/Hour X #Hours X #Fiscal Years = Cost/Item):</b>	<b>COST/ITEM</b>
% .04 program administration	\$7,278.00
Seed storage facility (rental) @ \$125/wk x 6 weeks x 1 Year	\$750.00
Transport @ 2.55 per mile x 4000 miles x 6 transports x 1 year	\$61,200.00
D5 Dozer With Seeder \$125 per hour x 200 hours x 3 dozers x 1 year	\$75,000.00
Tractor 160hp 4WD \$75.00 per hour x 200 hours x 3 tractors x 1 year	\$45,000.00
<b>TOTAL CONTRACT COST</b>	<b>\$189,228.00</b>

**SPECIFICATION COST SUMMARY**

FISCAL YEAR	UNIT	UNITS COST	# OF UNITS	COST	FUNDING SOURCE	METHOD
FY 2000	miles	\$967.13	333	\$322,054.00	F	F
FY 2001						
FY 2002						
<b>TOTAL</b>	<b>miles</b>	<b>\$967.13</b>	<b>333</b>	<b>\$322,054.00</b>	<b>F</b>	<b>F</b>

**FUNDING SOURCES:**

- F** = Fire Suppression
- EFR** = Emergency Fire 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**

<b>1. Estimate obtained from 2-3 independent contractual sources.</b>	
<b>2. Documented cost figures from similar project work obtained from local agency sources.</b>	P, M
<b>3. Estimate supported by cost guides from independent sources or other federal agencies</b>	
<b>4. Estimates based upon government wage rates and material cost.</b>	
<b>5. No cost estimate required - cost charged to Fire Suppression Account</b>	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 13 Fire Complex BAER Plan
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**IV. TOTAL COST BY FIRE**

<b>FIRE NAME</b>	<b>UNITS TREATED</b>	<b>COST</b>
Adobe	17.8 (86.4 Acres)	\$17,214.90
Camp Creek	4.0 (19.4 Acres)	\$3,864.52
Charlie	20.0 (100 Acres)	\$19,342.58
Chokecherry	37.0 (179.4 Acres)	\$35,783.78
Cold Springs	3.5 (17.0 Acres)	\$3,384.95
Mule	1.75 (8.48 Acres)	\$1,692.48
Patty Jack	1.0 (4.8 Acres)	\$967.13
Rabbit	24.9 (120.8 Acres)	\$24,081.52
Sheep Pen	2.0 (9.7 Acres)	\$1,934.26
South Cricket	89.5 (434 Acres)	\$86,558.06
Three Mile	14.0 (23.8 Acres)	\$13,539.81
Vega	4.7 (22.7 Acres)	\$4,545.51
West Basin	79.25 (385.6 Acres)	\$76,648.96
Wimpy	33.6 (163.6 Acres)	\$32,495.54
<b>Total</b>	<b>333 (1568 Acres)</b>	<b>\$322,054.00</b>

## ELKO 21 FIRE COMPLEX SEED MIX LISTING

Fire Name	Drill Seed Mix		
	Rangeland Seed Mix	Total Acres	Rate/ac lbs.
<b>Three Mile</b>	Secar Snake River Wheatgrass	24.0	10
<b>Adobe</b>	Hycrest Crested Wheatgrass 10 acres Secar Snake River Wheatgrass 76acres	86.4	10 10
<b>Camp Creek</b>	Goldar	19.4	10
<b>Charlie</b>	Nordan Crested Wheatgrass or Hycrest Crested Wheatgrass	100	10
<b>Choke Cherry</b>	Nordan Crested Wheatgrass	179.4	10
<b>Cold Springs</b>	Secar Snake River Wheatgrass	17	10
<b>Mule</b>	Hycrest Crested Wheatgrass Magnar	.82	10
<b>Patty Jack</b>	Nordan Crested Wheatgrass	4.8	10
<b>Rabbit</b>	Thickspike	120.8	10
<b>Sheep Pen</b>	Goldar	9.7	10
<b>South Cricket</b>	High Elevation Nordan Crested Wheatgrass Low Elevation P27 Siberian Crested Wheatgrass	434	10
<b>Vega</b>	Goldar	22.7	10
<b>West Basin</b>	High Elevation Hycrest Crested Wheatgrass Low Elevation Nordan Crested Wheatgrass	385.6	10
<b>Wimpy Complex</b>	Nordan Crested Wheatgrass	163.6	10