

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

PART F - SPECIFICATIONS

SPECIFICATION TITLE:	WATERSHED PROTECTION SEEDING (AERIAL)	AGENCY:	BLM Elko F.O.
PART E LINE ITEM:	#13 W-3, Grass Reseeding	FISCAL YEAR(S) (list each year):	2002 - 2004

I. WORK TO BE DONE

<p>Number and Describe Each Task:</p> <p>A. General Description: Aerially seed drainages with perennial grasses to provide short-term (the first growing season) and long term plant cover to reduce erosion and sedimentation.</p> <p>B. Location/(Suitable) Sites: Selected intermittent and perennial drainages that experienced moderate to high burn severity.</p> <p>C. Design/Construction Specifications:</p> <p>1. Seed Mixture Selection: The seed mixture was developed to provide short-term (the first growing season) and long-term plant cover to reduce erosion and sedimentation into intermittent and perennial drainages. Before accepting delivery of seed shipment the contractor must provide evidence (seed label and letter) that the seed conforms to the purity and germination requirements in the specification. Test methods specified in <i>Rules for Testing Seeds, Proceedings of the Association of Official Seed Analyst</i> will be accepted for determining the germination rate. Seed designated without 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>2. Delivery: Deliver certified weed-free seed sold on a pure live seed basis.</p> <p>3. Application of Seed: The seed will be applied aerially by helicopter in the fall. Seed should be applied according to Agency Project Specifications.</p> <p>4. Storage: Seed should be stored under cover to protect it from moisture, rodents and livestock.</p> <p>D. Purpose of Treatment Specifications: To provide short- and long-term vegetative cover to moderate to high burn severity drainages to reduce erosion and sedimentation.</p> <p>E. Treatment Effectiveness Monitoring Proposed: See Monitoring and Evaluation of Watershed Protection Seeding specification.</p>

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
Project Inspector GS-11 @ \$25.00/hr X 10hrs/day X 7 days X 1 year	\$1,750.00
Survey, flag and design aerial seeding @ \$25.00/hr X 10hrs/day X 7 days X 1 year	\$1,750.00
Helicopter Manager (inc. premium pay) GS-9 @ \$350 day x 7 days x 1 Year	\$2,450.00
Helicopter Loading crew (inc. premium pay) GS-5 @ \$225 day x 3 people x 7 days x 1 Year	\$4,725.00
TOTAL PERSONNEL SERVICE COST	\$10,675.00

► 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.	COST/ITEM
Helicopter @ \$700/hr x 8 hours/day x 7/days x 1 year	\$39,200.00
Helicopter bucket rental: 2 buckets @ \$150/day per bucket x 7 days x 1 year	\$2,100.00
Ag/NAV GPS mapping system @ \$40/hour x 8 hours x 7 days x 1 year	\$2,240.00
Seed mixer @ \$200/day x 7 days x 1 year	\$1,400.00
Vehicle cost @ \$33.00/day X 7 days X 2 vehicles X 1 year	\$462.00
Vehicle cost @ \$.17/mile X 250 miles/day X 7 days X 2 vehicles X 1 year	\$595.00
Vehicle fuel cost @ \$40.00/day X 7 days X 2 vehicles X 1 year	\$320.00
TOTAL EQUIPMENT PURCHASE, LEASE OR RENTAL COST	\$46,317.00
► MATERIALS AND SUPPLIES (Item @ Cost/Each X Quantity X #Fiscal Years = Cost/Item):	COST/ITEM
Aerial seed mix seed costs @ \$3.00/avg price/lb X 42,900 lbs (bulk) X 1 year	\$128,700.00
TOTAL MATERIALS AND SUPPLY COST	\$128,700.00
► TRAVEL COST (Personnel or Equipment @ Rate X Round Trips X #Fiscal Years = Cost/Item):	COST/ITEM
Seed transport vehicle X \$.50/miles X 250 miles/day X 7 days X 1 year	\$875.00
Support vehicle: \$1.00/mile X 250 miles/day X 7 days X 1 year	\$1,750.00
Per Diem for pilot and mechanic @ \$168/day X 7 days X 1 year	\$1,176.00
Fuel truck milage @ \$1.00/mile X 250 miles X 7 days X 1 year	\$1,750.00
TOTAL TRAVEL COST	\$5,551.00
► CONTRACT COST (Labor or Equipment @ Cost/Hour X #Hours X #Fiscal Years = Cost/Item):	COST/ITEM
Seed storage cost @ \$150/week X 26 weeks X 1 year	\$3,900.00
Seed mixing cost @ \$.10/lb X 42,900 lbs X 1 year	\$4,290.00
Seed fertilizer coating @ \$.30/lb X 42,900 lbs X 1 year	\$12,870.00
7% contract administration and oversight to agency	\$1,474.00
TOTAL CONTRACT COST	\$22,534.00

SPECIFICATION COST SUMMARY

FISCAL YEAR	UNIT	UNITS COST	# OF UNITS	COST	FUNDING SOURCE	METHOD
FY 1	acres	\$131.07	1631	\$213,777.00	ESR	C, P
FY 2						
FY 3						
TOTAL	acres	\$131.07	1631	\$213,777.00	ESR	C, P

FUNDING SOURCE

F - Suppression Operations
EFR - Emergency Fire Rehabilitation
EWP - Emergency Watershed Protection
OPIO - 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

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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	C
4. Estimates based upon government wage rates and material cost.	M, P
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	251	\$32,898.85
Coyote	95	\$12,451.76
Mile Marker	79	\$10,354.62
Ranch	132	\$17,301.39
Sheep	469	\$61,472.35
Stag	335	\$43,908.83
Tabor	270	\$35,389.20
TOTAL COST	1631	\$213,777.00

