

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

**PART F - SPECIFICATIONS**

<b>SPECIFICATION TITLE:</b>	<b>EROSION CLOTH/SOIL NETTING - Install excelsior mat on unstable burned slopes.</b>	<b>AGENCY:</b>	<b>BLM Elko F.O.</b>
<b>PART E LINE ITEM:</b>	<b># 16 W-5 Erosion Cloth/Soil Netting</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> Install biodegradable erosion control netting and other appropriate material to slow surface runoff and erosion, help reestablish vegetation. Excelsior mulch fabric can be used on steep slopes to prevent loss of topsoil, improve infiltration rates and increase soil moisture.</p> <p><b>B. Location (Suitable) Sites:</b> Excelsior mulch is suitable for placement within the Stag Fire. The basic purpose is to slow overland flow and erosion, allowing water to infiltrate, and create better growing conditions for vegetation. This, in turn, will reduce sediment to the streams and allow for greater ground water infiltration.</p> <p><b>C. Design/Construction Specifications:</b> Strips of fabric can be placed perpendicular or parallel to the flow of overland runoff. Slopes are generally limited to less than 40%. Mulch strips are 4 feet wide and 180 feet in length. Strips are generally placed 12 feet apart. Fabric must be in contact with the soil to prevent overland runoff underneath the fabric. Contact with the soil also allows plant seedlings to emerge through the fabric. Openings must be made in the fabric for living plants. Staples are used to secure the fabric. On the upslope side, staples must be 1.5 feet apart and 3 feet apart on the downslope side. Staples are placed 3 feet apart at the centerline.</p> <p><b>D. Purpose of Treatment Specifications:</b> The most effective use of excelsior fabric is: In areas with harsh site conditions, on soils with restricted infiltration due to fire effects, sites which demonstrate potential for overland sediment movement and areas with fire-damaged vegetation.</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>
GS-7 @ \$13.50 /hr x 62 hrs x 1 year (Project supervisor-Seasonal work force)	\$837
5-person team @ \$42.50/hr x 62 hrs x 1 year (Seasonal work force)	\$2,635
<b>TOTAL PERSONNEL SERVICE COST</b>	<b>\$3,472</b>
<b>▶ EQUIPMENT PURCHASE, LEASE AND/OR RENT (Item @ Cost/Hour X # of Hours X # Fiscal Years = Cost/Item): Note: Purchase require written justification that demonstrates cost benefits over leasing or renting.</b>	<b>COST/ITEM</b>
Fuel and maintenance of quad track vehicle	\$160.
Gloves and safety equipment	\$150
Flagging, nails, lath stakes, mallets.	\$160
<b>TOTAL EQUIPMENT PURCHASE, LEASE OR RENTAL COST</b>	<b>\$470</b>
<b>▶ MATERIALS AND SUPPLIES: (Item @ Cost/Each X Quantity X # Fiscal Years = Cost/Item):</b>	<b>COST/ITEM</b>
Excelsior netting, @ \$36.50/roll, x 44 rolls x 1 year (delivered)	\$1,606
Staples, @\$25.00/box x 28 boxes x 1 year	\$700
<b>TOTAL MATERIALS AND SUPPLY COST</b>	<b>\$2,306</b>
<b>▶ TRAVEL COST (Personnel or Equipment @ Rate X Round Trips X #Fiscal Years = Cost/Item):</b>	<b>COST/ITEM</b>

Crew Van @\$70.00/day x 8 days x 1 year	\$560
TOTAL TRAVEL COST	\$560
► <b>CONTRACT COST (Labor or Equipment @ Cost/Hour X #Hours X #Fiscal Years = Cost/Item):</b>	<b>COST/ITEM</b>
TOTAL CONTRACT COST	\$6,808

**SPECIFICATION COST SUMMARY**

FISCAL YEAR	UNIT	UNIT COST	# OF UNITS	COST	FUNDING SOURCE	METHOD
FY 1	Square Feet	\$0.2149	31,680	\$6,808	EFR	P
FY 2						
FY 3						
<b>TOTAL:</b>		\$0.2149	31,680	\$6,808		

**FUNDING SOURCES:**

**F** = Fire Suppression Account  
**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**

1. Estimate obtained from 2-3 independent contractual sources.	
2. Documented cost figures from similar project work obtained from local agency sources.	M
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:**

See text of Soil and Watershed Assessment (Appendix I) for narrative on the objectives. See map index, Treatment section for potential treatment sites.

**IV. TOTAL COST BY FIRE**

FIRE NAME	UNITS TREATED	COST
STAG	31,680	\$6,808
<b>TOTAL COST</b>	<b>31,680</b>	<b>\$6,808</b>