**DAMAGE SURVEY REPORT**

**FEDERAL HIGHWAY ADMINISTRATION, Federal Lands Highway**

**(Title 23, Federal-Aid System/Federal Domain)**

**Applicant:** USDA Forest Service - Pisgah N.F.

**County:** Avery

**State:** NC

**Inspection Date:** 1/25/2005

**Location of Damage (Route No., Name of Road and Mile Post, Map Grid):**

FDR 981, Roseboro-Edgemont, MP 2.95, MG 3G

**Bridge Data:**

**Classification:** ML 4

**Photograph #:** 981-2.95-01, 981-2.95-02

**Type:** Traveled Way Width: 12'  
**Surface Type:** Aggr.  
**Thickness:** 3''

**Shoulder Width:** 3'

**Pre-storm cond:** good

**Description and Cause of Damage:**  
Major wash out of road fill caused by high flow in creek eroding fill slope. Small stream feeding creek through culvert topped pipe, washed over road, and eroded road surface and fill slope.

**Scope/Description of Repair:**  
Excavate poor fill soil down to bedrock at creekside  
Replace Large Boulders at Toe of Slope  
Machine place rock embankment  
Seed and straw mulch all disturbed areas  
Dewater Construction Site and Maintain Dry Working Area

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### COST ESTIMATE for EMERGENCY REPAIRS*

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Unit</th>
<th>Item Description</th>
<th>Unit Price</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>LS</td>
<td>MOBILIZATION</td>
<td>7640</td>
<td>$7,640</td>
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<tr>
<td>1000</td>
<td>CY</td>
<td>EXCAVATION OF UNSUITABLE MATERIAL</td>
<td>8</td>
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<tr>
<td>300</td>
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<td>MACHINE PLACED LARGE BOULDERS</td>
<td>48</td>
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<td>MACHINE PLACED ROCK EMBANKMENT</td>
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<td>HR</td>
<td>FLAGGERS</td>
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**Total Emergency Repairs:** $83,465

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### COST ESTIMATE for PERMANENT REPAIRS*

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**Subtotal Permanent Repairs (continuation sheet):**

**Total Permanent Repairs:** $93,465

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**Identify Betterment, if any, and provide justification:**

- Preliminary Engineering: $14,020
- Construction Engineering: $9,347
- Right-of-Way: $2,337
- Other Bond (2.5%): $119,168

**TOTAL ESTIMATED COST:**

- Emergency and Permanent Repairs: $119,168

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**Submitted By:** Lynn L. Hicks, Forest Engineer  
Signature: / X /  
Date: July 6, 2005

**Reviewed By:**  
Eligible:  
Ineligible:  
Signature:  
Date:  
Recommended By:  
Eligible:  
Ineligible:  
Signature:  
Date:

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*Attach Supplemental Sheets if necessary*
**FEDERAL HIGHWAY ADMINISTRATION, Federal Lands Highway**  
**DAMAGE SURVEY REPORT (Supplemental Sheet)**  
*(Title 23, Federal-Aid System/Federal Domain)*

<table>
<thead>
<tr>
<th>Sheet No:</th>
<th>2 of 5</th>
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<tbody>
<tr>
<td>DSR No:</td>
<td>981-2.95</td>
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<tr>
<td>Disaster No:</td>
<td>NC2004-1-FS</td>
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**Applicant:** USDA Forest Service - Pisgah N.F.  
**County:** Avery  
**State:** NC  
**Inspection Date:** 1/25/2005

**Location of Damage (Route No., Name of Road and Mile Post, Map Grid):**  
981, Roseboro-Edgemont, MP 2.95, MG 3G

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<tr>
<td>981-2.95-02</td>
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**Images:**
- Image 1: 981-2.95-01  
- Image 2: 981-2.95-02
<table>
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Applicant: USDA Forest Service - Pisgah N.F.  
County: Avery  
State: NC  
Inspection Date: 1/25/2005  
Disaster No: NC2004-1-FS  
ADT: 125
FEDERAL HIGHWAY ADMINISTRATION, Federal Lands Highway

DAMAGE SURVEY REPORT (Supplemental Sheet)

(Title 23, Federal-Aid System/Federal Domain)

Applicant: USDA Forest Service - Pisgah N.F.
County: Avery
State: NC
Inspection Date: 1/25/2005

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Applicant:
USDA Forest Service - Pisgah N.F.

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