



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

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GOVERNOR

LYNDO TIPPETT
SECRETARY

July 29, 2003

Mr. Gregory J. Thorpe, Ph.D.
Environmental Management Director
Project Development and Environmental Analysis Branch
1 South Wilmington Street
Raleigh, N. C. 27611

<u>Proj. TIP</u>	<u>WBS#</u>	<u>County</u>	<u>Description</u>
B-4160	33508.1.1	Jackson	Br. #82 on SR 1002 over Tuckaseegee River
B-4122	33475.1.1	Graham	Br. #81 on SR 1117 over Long Creek
B-4120	33474.1.1	Graham	Br. #119 on SR 1105 over Mill Creek
B-4241	33584.1.1	Polk	Br. #24 on SR 1520 over Hooper Creek
B-4071	33434.1.1	Cherokee	Br. #32 on SR 1393 over Junaluska Creek
B-4145	33494.1.1	Henderson	Br. #56 on SR 1006 over Hungry Creek
B-4148	33497.1.1	Henderson	Br. #12 on SR 1329 over Boylston Creek
B-4149	33498.1.1	Henderson	Br. #34 on SR 1587 over Clear Creek

Subject: GeoEnvironmental Impact Evaluation

Purpose

This report presents the results of a "GeoEnvironmental Impact Evaluation" conducted along the above referenced projects. The main purpose of this investigation is to identify properties within the project study areas that may contain hazardous materials and result in future environmental liability if acquired. These hazards may include, but are not limited to USTs, hazardous waste sites, regulated landfills and unregulated dumpsites.

Methodology

A field reconnaissance survey was conducted in the vicinity of the projects. In addition to the field survey, a file search of appropriate environmental agencies was conducted to identify any known problem sites along the proposed project alignments. The identified sites are discussed below.

Underground Storage Tank (UST) Facilities

The Geotechnical Unit performed a field reconnaissance survey and found no anticipated UST sites within the project areas. Should the project limits change, please inform this office as soon as possible. *Please note that our evaluation mainly covers regulated (commercial) USTs and that there is still the possibility of unregulated USTs (farm tanks or home heating oil tanks) being impacted by the projects. These unregulated USTs should be identified by Right-of-Way during initial contacts and our office should be notified of their presence prior to acquisition so that we can determine if the tanks have leaked.*

Landfills and Other Potentially Contaminated Properties

The Geographical Information Service (GIS) was consulted for the project corridors. The research shows that no apparent regulated or unregulated landfills or dumpsites occur within the project limits.

RCRA/CERCLA

Based on the GIS search and the field reconnaissance, no potential RCRA or CERCLA sites were identified within these project limits.

Summary

Based on the field reconnaissance and records search, there should be no other contamination concerns for these projects. If any unregulated USTs (or any potential source of contamination) are discovered by Right-of-Way during their initial contacts with impacted property owners, our office should be notified of their presence prior to acquisition. This is so an assessment can be conducted to determine the extent of any contamination. This assessment will also serve to estimate the associated clean up costs and allow us to make right-of-way recommendations.

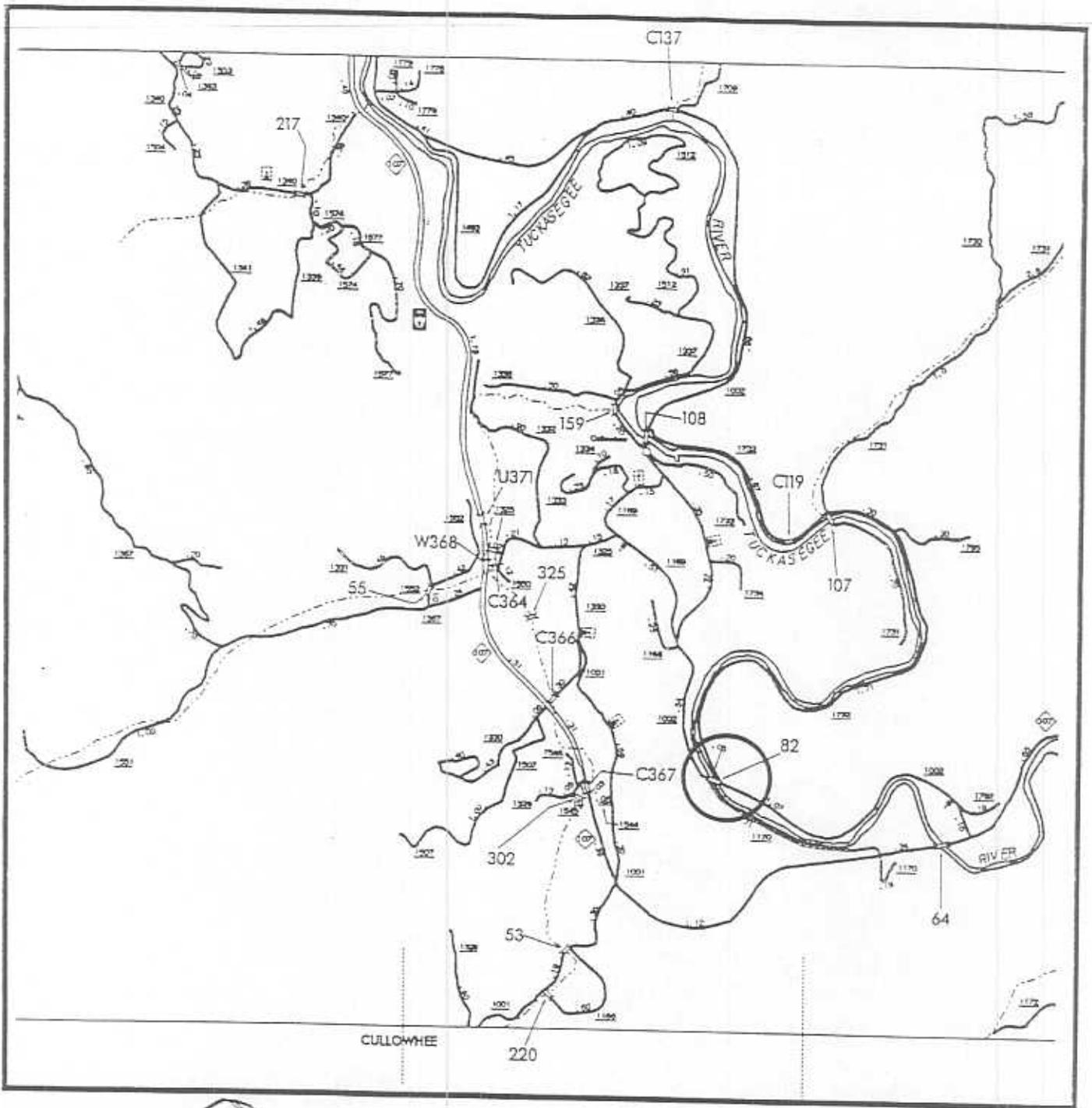
Sincerely,



Richard S. Johnson, LG
GeoEnvironmental Project Manager
Geotechnical Engineering Unit

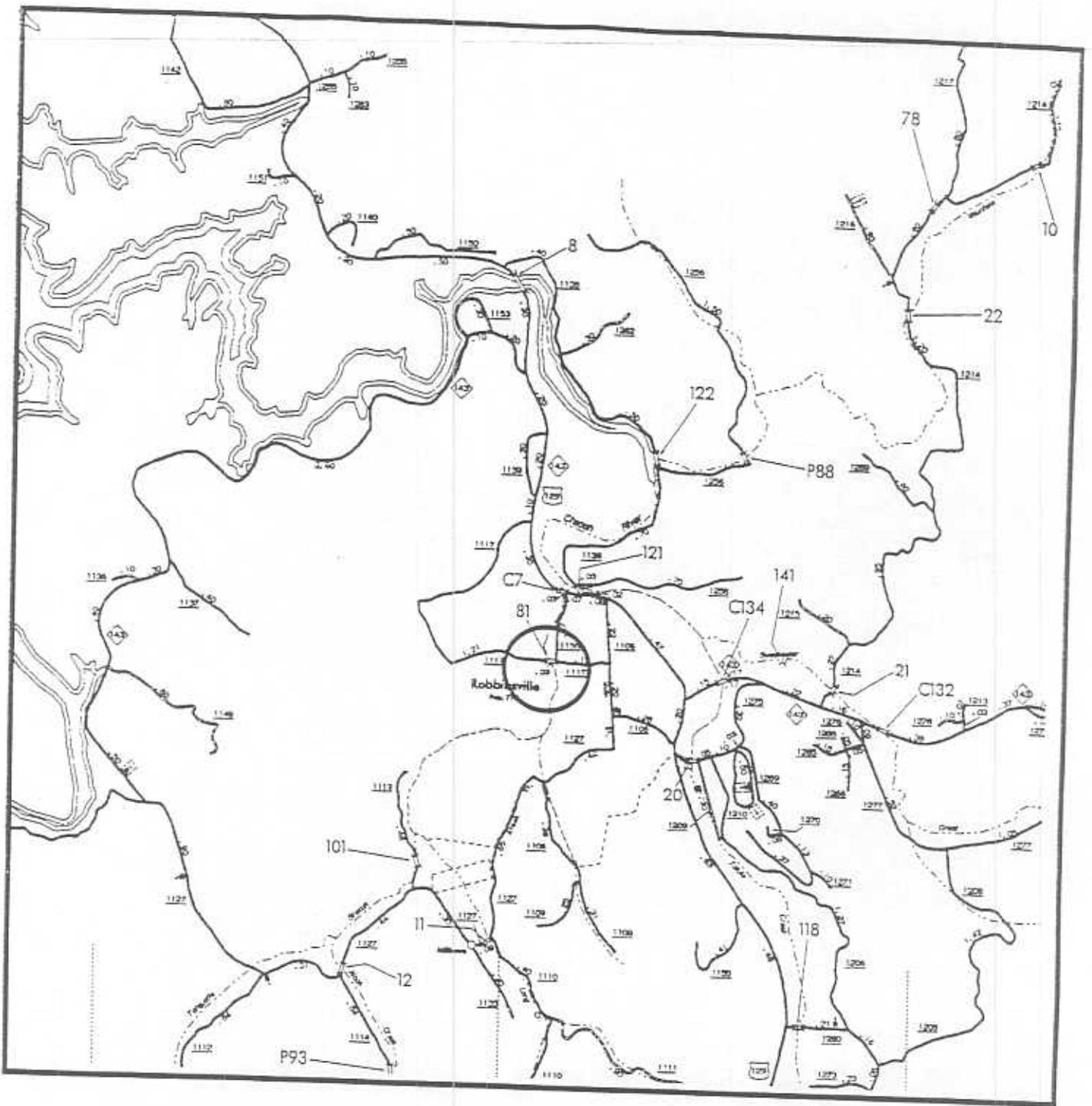
Enclosure (Site Location Map)

cc: John Williams, Planning Engineer, PD&EA
Robin Handcock, Planning Engineer, PD&EA
W. D. Frye, LG, Geotechnical Engineering Unit
R. G. Watson, PE, Division 14 Engineer
Teddy Greene, Division 14 Right-of-Way
File



	<p>NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS PROJECT DEVELOPMENT & ENVIRONMENTAL ANALYSIS BRANCH</p>
<p>JACKSON COUNTY REPLACE BRIDGE NO. 82 ON SR 1002 OVER TUCKASEGEE RIVER B-4160</p>	
<p>Figure 1</p>	

No. Construction 7/23/83
 RES = 30503.1.1



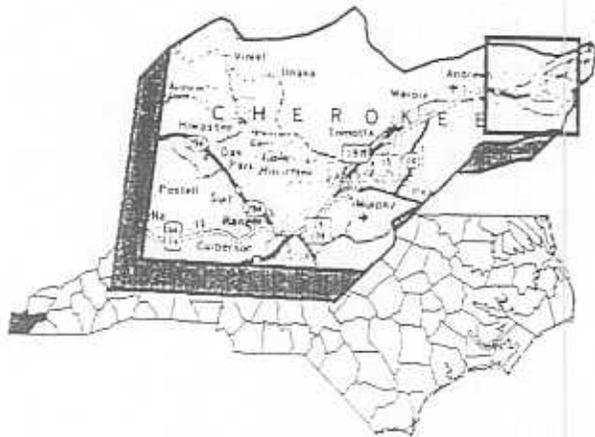
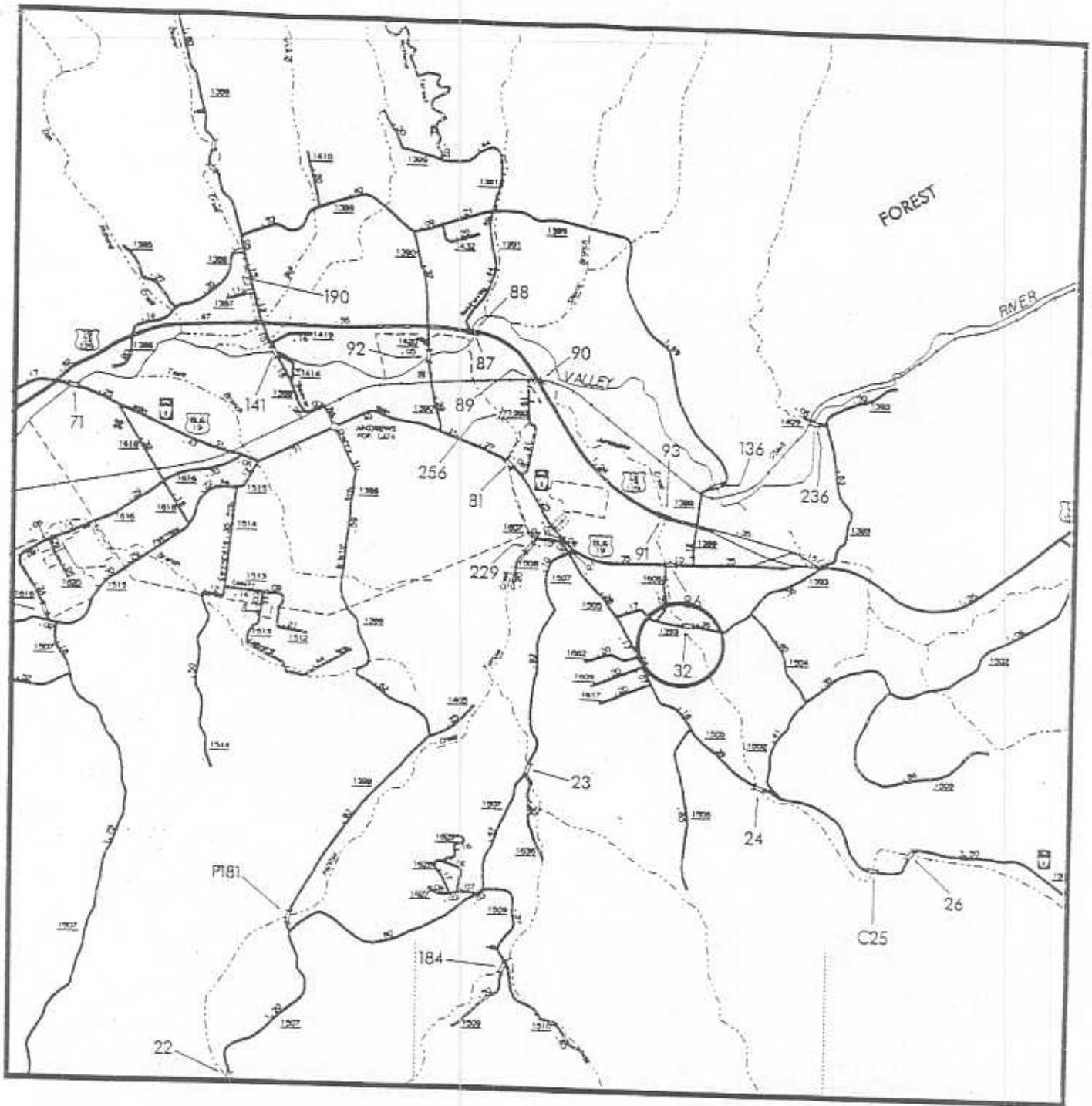
	<p>NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS PROJECT DEVELOPMENT & ENVIRONMENTAL ANALYSIS BRANCH</p>
<p>GRAHAM COUNTY REPLACE BRIDGE NO. 81 ON SR 1117 OVER LONG CREEK B-4122</p>	
<p>Figure 1</p>	

No. 1117
1117



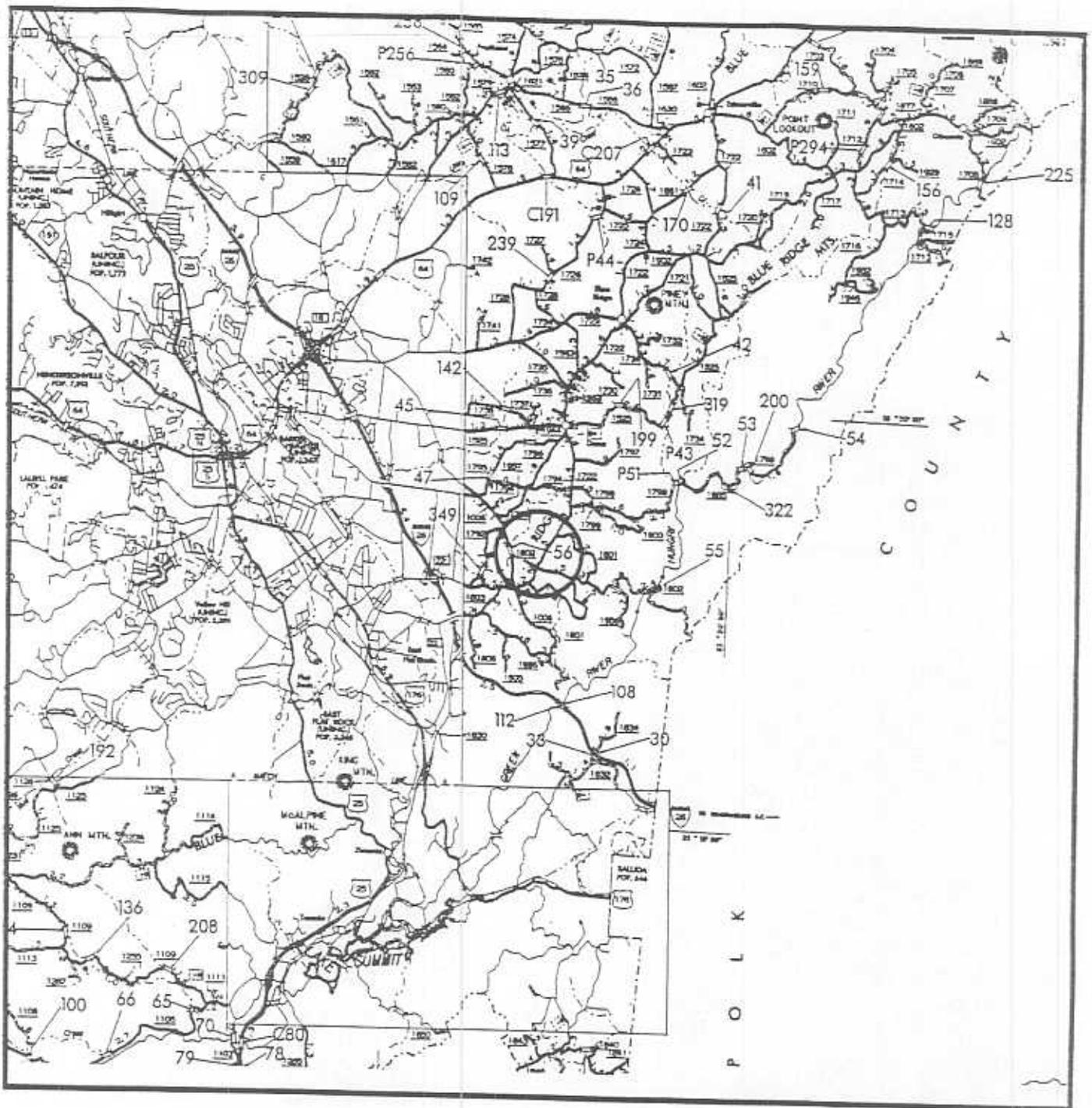
	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS PROJECT DEVELOPMENT & ENVIRONMENTAL ANALYSIS BRANCH
	POLK COUNTY REPLACE BRIDGE NO. 24 ON SR 1520 OVER HOOPER CREEK B-4241
Figure 1	

Handwritten notes:
 1/16/53
 1/22/53

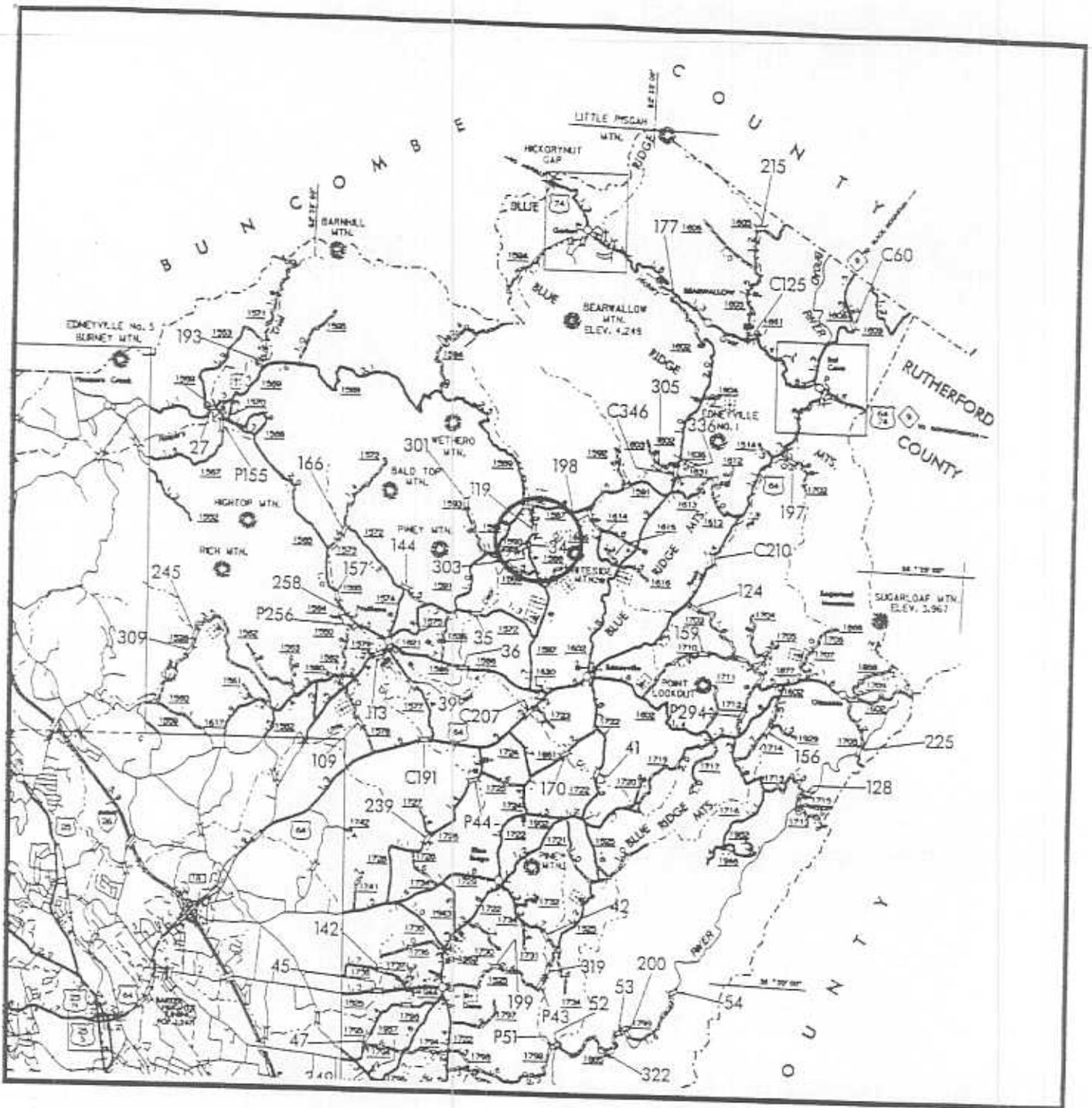


	<p>NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS PROJECT DEVELOPMENT & ENVIRONMENTAL ANALYSIS BRANCH</p>
<p>CHEROKEE COUNTY REPLACE BRIDGE NO. 32 ON SR 1393 OVER JUNALUSKA CREEK B-4071</p>	
<p>Figure 1</p>	

John G. ... 7/22/93
...



	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS PROJECT DEVELOPMENT & ENVIRONMENTAL ANALYSIS BRANCH
	<p align="center"> HENDERSON COUNTY REPLACE BRIDGE NO. 56 ON SR 1006 OVER NORTH BRANCH HUNGRY CREEK B-4145 </p>
Figure 1	



	<p>NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS PROJECT DEVELOPMENT & ENVIRONMENTAL ANALYSIS BRANCH</p>
<p>HENDERSON COUNTY REPLACE BRIDGE NO. 34 ON SR 1587 OVER CLEAR CREEK B-4149</p>	
<p>Figure 1</p>	

10/26/12 7/24/13
1209 3349 .1