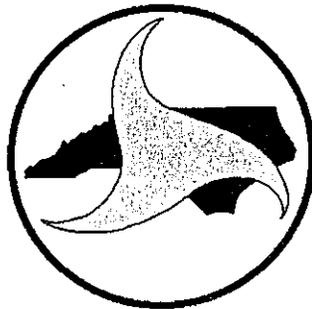


**FEASIBILITY STUDY**

**New Route  
from proposed US 64 (R-2548)  
to existing US 64  
Washington County**

**Division 1**

**R-3620**



Prepared by the  
Program Development Branch  
Division of Highways  
N. C. Department of Transportation

A handwritten signature in cursive script, appearing to read "Eric J. Lamb", written over a horizontal line.

Eric J. Lamb

Feasibility Studies Engineer

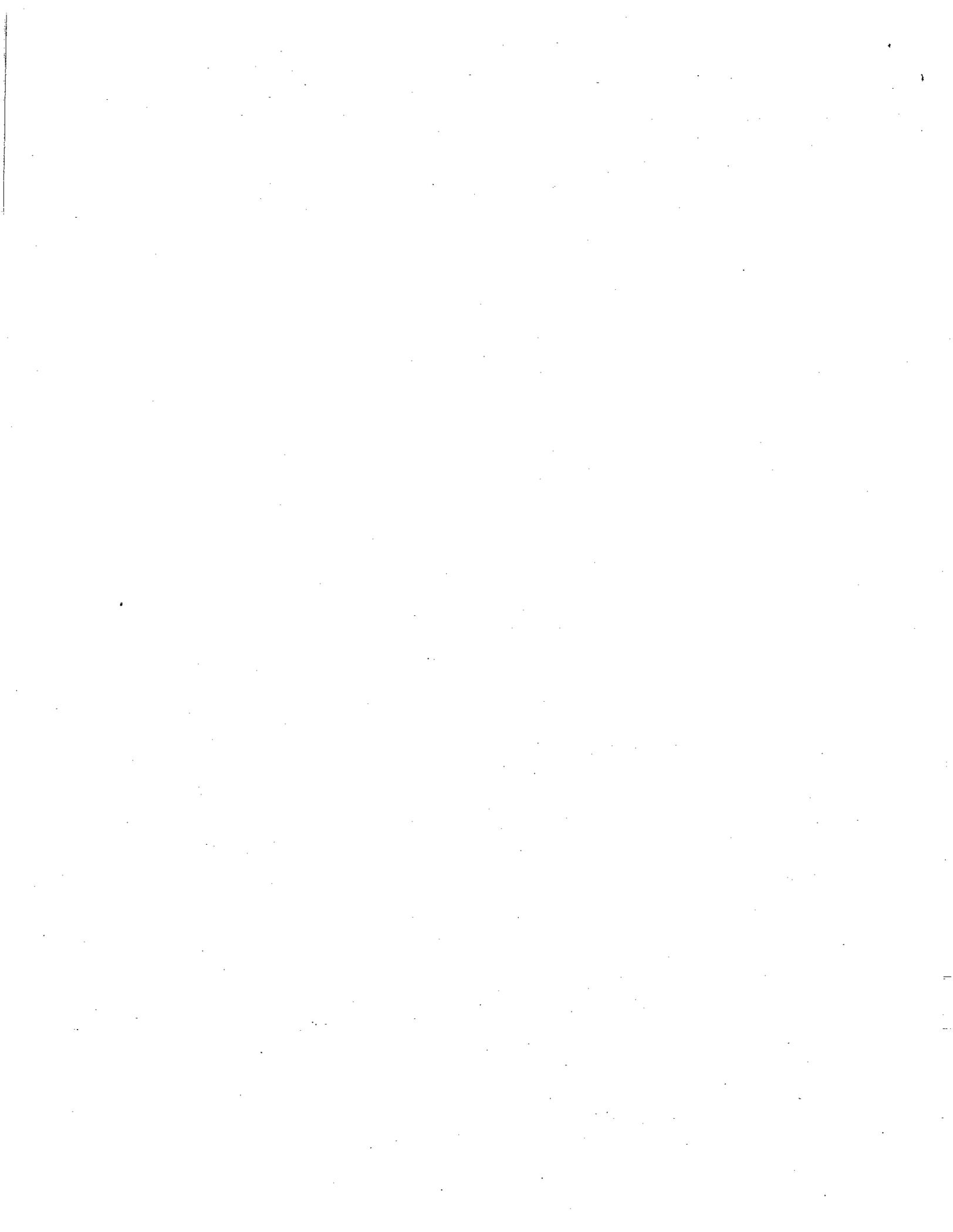
A handwritten signature in cursive script, appearing to read "David G. Modlin, Jr.", written over a horizontal line.

David G. Modlin, Jr., Ph.D., P.E.

Head of Feasibility Studies

3/11/97

Date



New Route  
from proposed US 64 (R-2548)  
to existing US 64  
Washington County  
R-3620

## I. General Description

This feasibility study describes constructing a new route from proposed US 64 (TIP Project R-2548) to existing US 64, distance of 3.3 miles (5.3 km). The project location is shown on Figure 1. The recommended cross-section is a two-lane shoulder section, 24 feet (7.3 m) wide with 2-foot (0.6-m) paved shoulders, on 100 feet (30.5 m) of right-of-way with no access control. It is anticipated that there will be no residences or businesses relocated due to this project. The total cost of the project, including construction and right-of-way, is estimated to be \$5,700,000.

This study is the initial step in the planning and design process for this project and is not the product of exhaustive environmental or design investigations. The purpose of this study is to describe the proposed project including costs, and to identify potential problems that may require consideration in the planning and design phases.

## II. Need for Project

The purpose of this project is to maintain the existing connection to Historic Edenton and other parts of northeastern North Carolina from US 64. TIP Project R-2548 will shift US 64 south of its existing alignment and will remove a large portion of the current traffic volumes from existing US 64.

NC 32 is designated as a major rural collector in the North Carolina Statewide Functional Classification System.

North of existing US 64, NC 32 is currently a two-lane, two-way roadway with a pavement width of approximately 24 feet (7.3 m) and soil shoulders. There is no development within the project limits.

TIP Project R-2548 will construct US 64 as a four-lane facility on new location from west of Roper to Columbia. The construction of a diamond-interchange with SR 1139 (Beasley Rd.) is currently planned as a part of this project. It is scheduled for right-of-way acquisition in November 1997 and for construction in January 1999.

If this project was constructed today, the 1996 Average Daily Traffic (ADT) along this project would be 2,300 vehicles per day (vpd). For the design year 2020, the estimated traffic volumes on this project will be 5,900 vpd. Truck traffic is estimated to make up seven percent of daily traffic.

If this project was constructed as a two-lane section, this roadway would operate at Level of Service (LOS) B in the current year and at LOS C in the design year 2020.

### III. Recommendations

It is recommended to construct a new route from proposed US 64 (TIP Project R-2548) to existing US 64, distance of 3.3 miles (5.3 km). The project location is shown on Figure 1. The recommended cross-section is a two-lane shoulder section, 24 feet (7.3 m) wide with 2-foot (0.6-m) paved shoulders, on 100 feet (30.5 m) of right-of-way with no access control.

It is also recommended to realign the intersection at existing US 64 to improve sight distance. Signalization of this intersection is also recommended.

It is anticipated that no residences or businesses will be relocated due to the project.

The total cost is as follows:

Construction.....	\$ 5,400,000
Right-of-way.....	\$ 300,000
<hr/>	
Total Cost.....	\$ 5,700,000

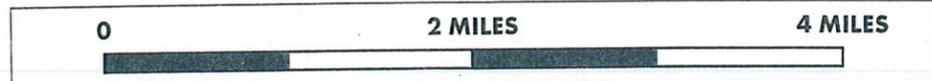
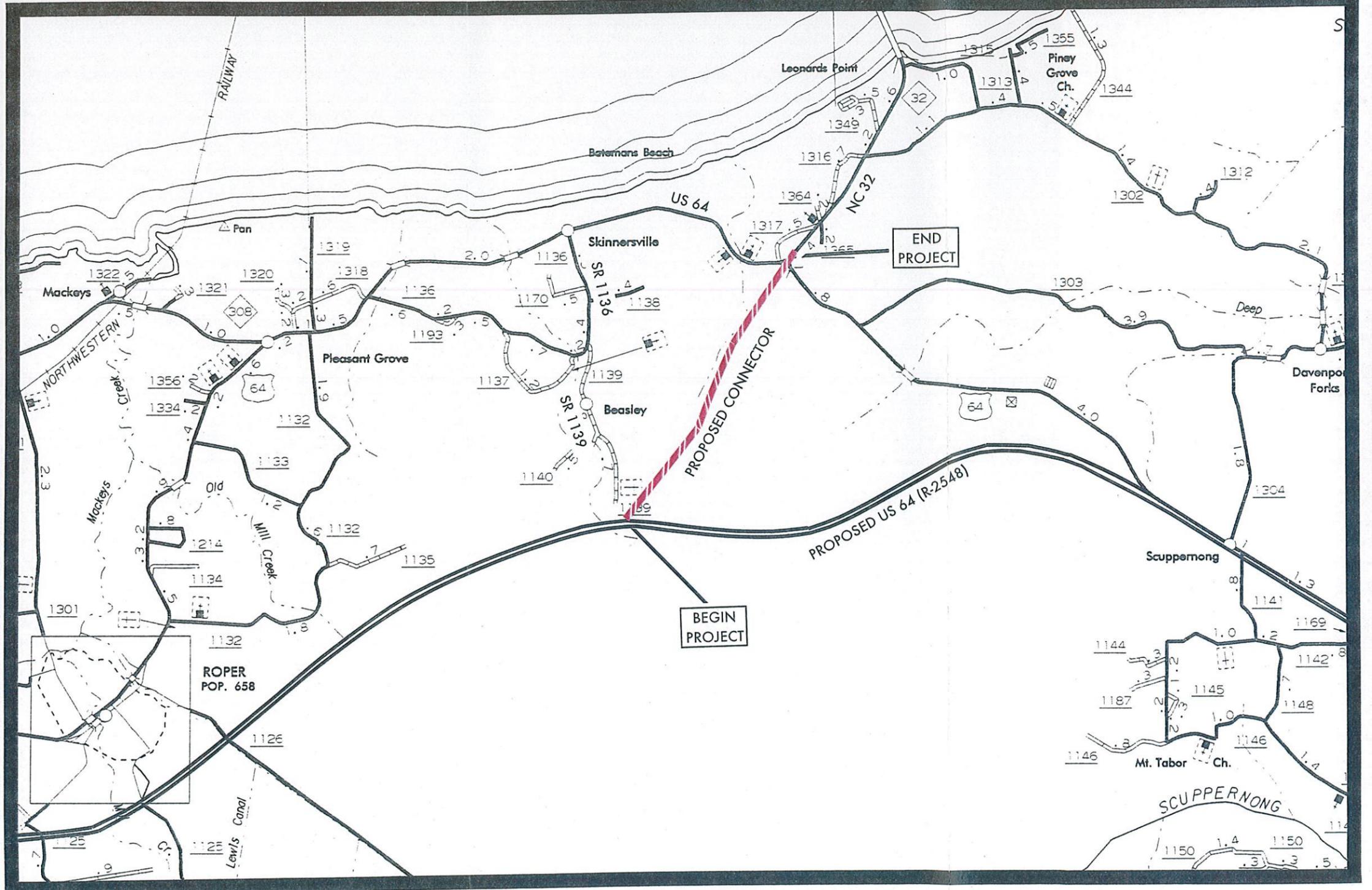
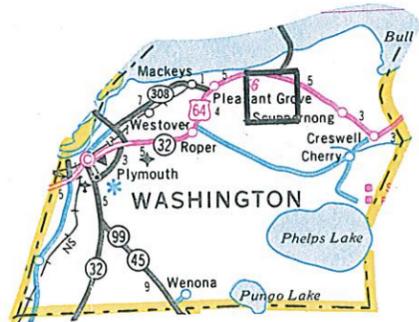
### IV. Other Comments

An environmental screening was not conducted for this study. However, no impacts to historic properties are anticipated.

Based on maps at the Department of Environment, Health & Natural Resources - Natural Heritage Section, no threatened or endangered species were identified in the project corridor.

Construction of two culverts is anticipated due to the presence of wetlands within the project limits. Impacts to wetlands are expected and a Corps of Engineers Section 404 Permit is anticipated.

No special accommodation for bicycles is recommended on this project.



North Carolina Department of Transportation  
Program Development Branch

**R-3620**

New Route  
from proposed US 64 Bypass (R-2548)  
to existing US 64 at NC 32  
Washington County

DIVISION 1 FIGURE 1