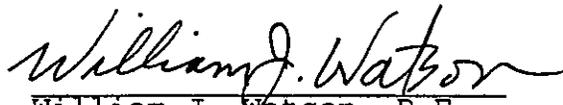


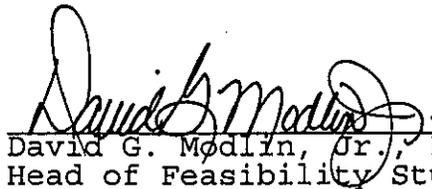
FEASIBILITY STUDY

Edenton  
Soundside Road (SR 1114) Extension  
From NC 32 To US 17 Bypass  
Chowan County  
U-3419

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



William J. Watson, P.E.  
Highway Planning Engineer

  
David G. Modlin, Jr., Ph.D., P.E.  
Head of Feasibility Studies

  
Date

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I. GENERAL DESCRIPTION

This preliminary study describes the proposed extension of Soundside Road (SR 1114) from NC 32 to US 17 Bypass in Edenton. The project location is shown on Figure 1. Two alternative alignments, as shown on Figure 1, were studied. **The recommended alignment is Alternate 1.**

The proposed extension will be a two-lane road approximately 3.0 miles (4.8 k) in length, with a roadway pavement 24 feet (8.5 m) wide, and shoulders 8 feet (2.4 m) wide, including 2 feet (0.6 m) full depth paved shoulders. The proposed right-of-way will be 100 feet (30.5 m) wide. No residential or business relocations are anticipated due to this project.

The total cost including construction and right-of-way is estimated to be \$5,300,000.

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 needs, recommend a treatment including costs, and identify potential problem areas that require consideration in the planning and design phases.

II. NEED FOR PROJECT

The purpose of this project is to improve north-south traffic flow in eastern Edenton. The proposed road will provide an alternative for traffic now required to travel through the Edenton central business district, and will provide for increased traffic flow that may be generated from expected industrial growth in southeast Edenton. The project was requested by the Town of Edenton and has been endorsed by a resolution of the Edenton Town Council. Soundside Road Extension is shown on the Edenton Thoroughfare Plan as a Proposed Major Thoroughfare.

NC 32 is 2-lane shoulder section and US 17 Bypass is a 4-lane, median-divided, shoulder section.

Traffic volume estimates for Soundside Road Extension for the years 1995 and 2020 are 2,000 vehicles per day (vpd) and 4,400 vpd respectively. The Level of Service (LOS) is estimated to be LOS A based on 1995 traffic volumes, and LOS B based on 2020 traffic volumes.

### III. RECOMMENDATIONS

It is proposed to extend Soundside Road (SR 1114) from NC 32 to US 17 Bypass in Edenton. The proposed extension will be a two-lane road approximately 3.0 miles (4.8 k) in length, with a roadway pavement 24 feet (8.5 m) wide, and shoulders 8 feet (2.4 m) wide, including 2 feet (0.6 m) full depth paved shoulders.

At the south project terminal, the intersection of SR 1102 and NC 32 will be relocated approximately 500 feet (150 m) to the east, to avoid a 5-leg intersection at SR 1103.

Near the north project terminal, the intersection with SR 1330 will be controlled with stop signs on SR 1330 and US 17 Business, and the part of US 17 Business between US 17 Bypass and SR 1330 will be removed.

The proposed right-of-way will be 100 feet (30.5 m) wide. No residential or business relocations are anticipated due to this project. The project location is shown as Alternate 1 on Figure 1. The total cost including construction and right-of-way is estimated to be \$5,300,000 as follows:

Construction.....	\$4,900,000
Right-of-Way.....	400,000
Total Cost.....	\$5,300,000

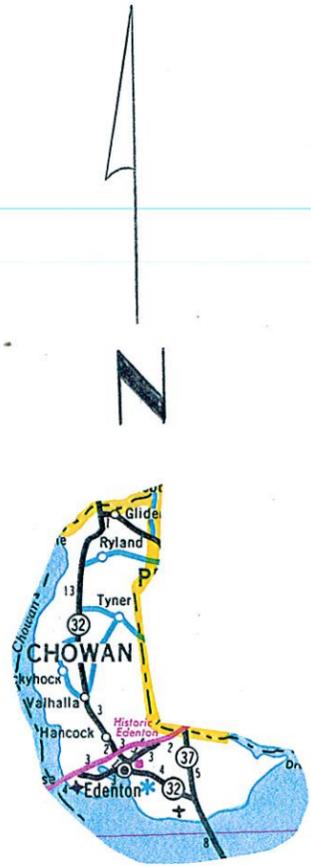
### IV. OTHER COMMENTS

An environmental screening was not conducted for this study. No historic properties, or endangered species are anticipated. It is estimated that approximately 5 acres of wetlands will be involved in this project and costs for wetland mitigation have been included in the above construction cost.

Near the south project terminal, an alignment east of the recommended alignment, was investigated. This is shown on Figure 1 as Alternate 2. This was studied to avoid the possible taking of three residences near the south terminal of the Alternate 1 alignment. Alternate 2 is not recommended because it is estimated to cost \$ 730,000 more than Alternate 1, and because the three residences in question will not be required to relocate in either case.

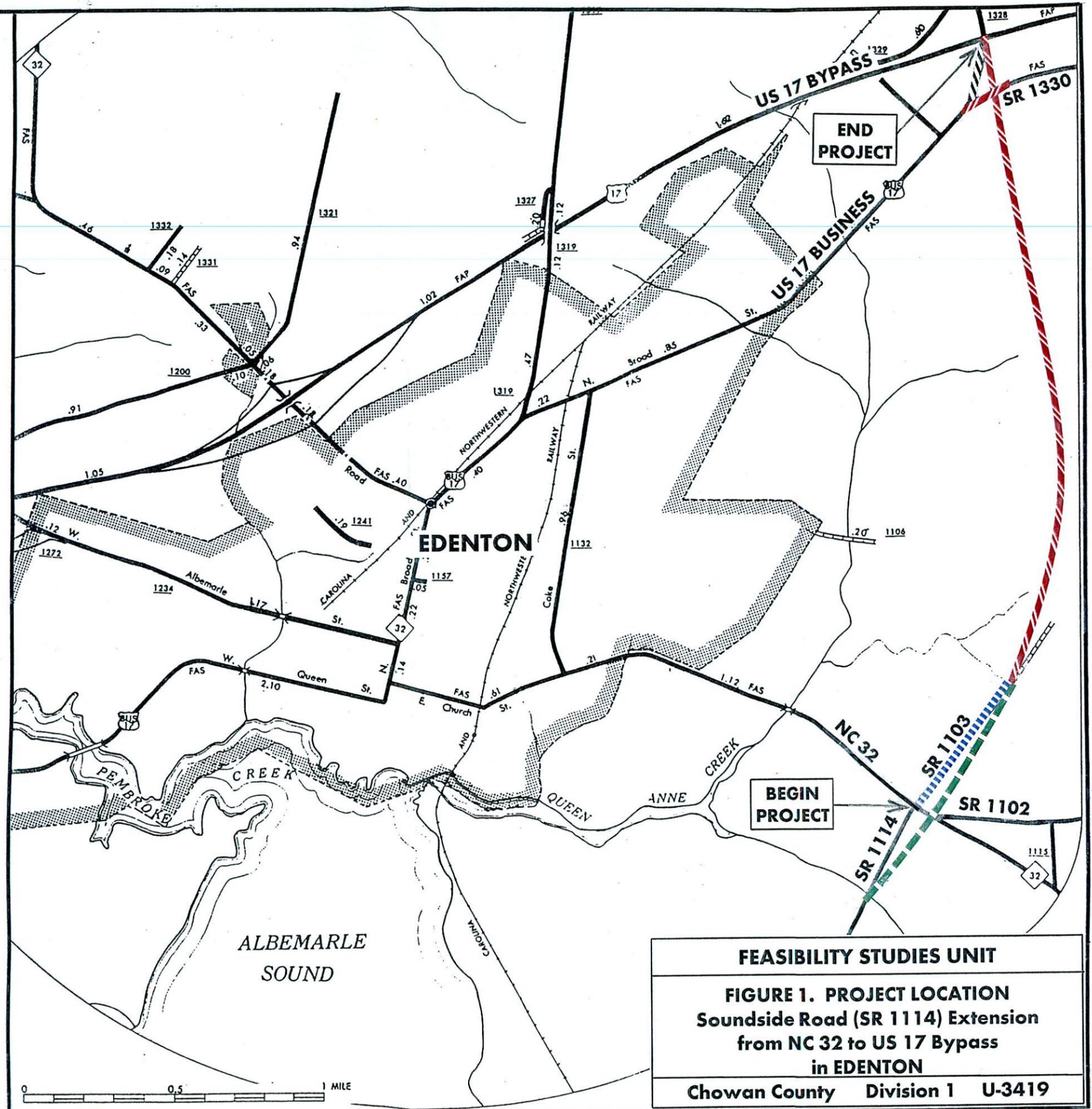
The Edenton Planning Board has endorsed this project. The Planning Board has also endorsed the concept of a Green Belt, surrounding Edenton on the north and east. The location of such a Green Belt may coincide with this project

corridor. The Green Belt would provide parkland, wildlife trails, and would serve as a buffer to, or interruption of, continuous growth. The Edenton Planning Board has expressed the desire that the issue of a Green Belt be addressed in the Planning and Environmental phase of this project.



**LEGEND**

-  ALTERNATE 1. (RECOMMENDED)
-  ALTERNATE 2.
-  PAVEMENT REMOVAL



**FEASIBILITY STUDIES UNIT**

**FIGURE 1. PROJECT LOCATION**  
 Soundside Road (SR 1114) Extension  
 from NC 32 to US 17 Bypass  
 in EDENTON

Chowan County Division 1 U-3419