

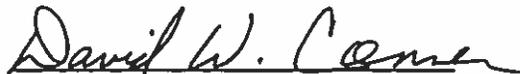
**FEASIBILITY STUDY**

**New Connector  
from SR 1442 (Old US 64)  
to US 64  
Macon County**

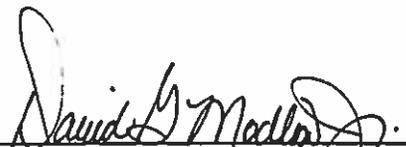
**Division 14**

**R-3626**

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



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3/7/97  
Date

R-3626

New Connector  
from SR 1442 (Old US 64)  
to US 64  
Macon County

**I. General Description**

This feasibility study describes a new connector from SR 1442 (Old US 64) to US 64, at SR 1168, in Macon County. The project location is shown on Figure 1.

The recommended cross section is a 2-lane, 2-way, shoulder section with 12-foot (3.6-m) wide travel lanes, 2-foot (0.6-m) paved shoulders, and 6-foot (1.8-m) wide soil shoulders.

The connector will be approximately 400 feet (129.9 m) long and it is recommended that it be constructed on 80 feet (24.4 m) of right-of-way.

It is anticipated that there will not be any residences or businesses relocated as a result of this project.

The total cost of the project, including construction and right-of-way, is estimated to be \$250,000 as follows:

|              |           |
|--------------|-----------|
| Right-of-way | \$ 50,000 |
| Construction | 200,000   |
| -----        | -----     |
| Total        | \$250,000 |

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 provide for direct access to US 64 at SR 1168 and to the Macon County Industrial Park located on the south side of

US 64 at SR 1168. The connector will also provide access to a nursing home, a country club, and the Macon County Solid Waste Retrieval Site, all located north of US 64. The project was requested by Macon County.

US 64 is a 4-lane, median divided, shoulder facility which runs generally west to east. SR 1442 is a 2-lane, 2-way, rural shoulder facility which runs generally parallel to US 64.

There is an existing connector from SR 1442 to US 64 located approximately 0.1 mile (0.2 km) west of the proposed connector. The connector is through a 1-lane, culvert located under US 64. The connector was constructed as a farm access when US 64 was constructed and does not provide access to US 64. The next nearest paved, 2-way connector which provides direct access to US 64 is SR 1148 which is located 1.3 miles (2.1 km) to the east.

### III. Recommendations / Description of Project

It is recommended that a new connector be constructed from SR 1442 (Old US 64) to US 64 at SR 1168, in Macon County. The project location is shown on Figure 1.

The recommended cross section is a 2-lane, 2-way, shoulder section with 12-foot (3.6-m) wide travel lanes, 2-foot (0.6-m) paved shoulders, and 6-foot (1.8-m) wide soil shoulders.

A new left-turn lane should be constructed on the eastbound side of US 64.

The connector will be approximately 400 feet (121.9 m) long and it is recommended that it be constructed on 80 feet (24.4 m) of right-of-way.

It is anticipated that there will not be any residences or businesses relocated as a result of this project.

The total cost of the project, including construction and right-of-way, is estimated to be \$250,000 as follows:

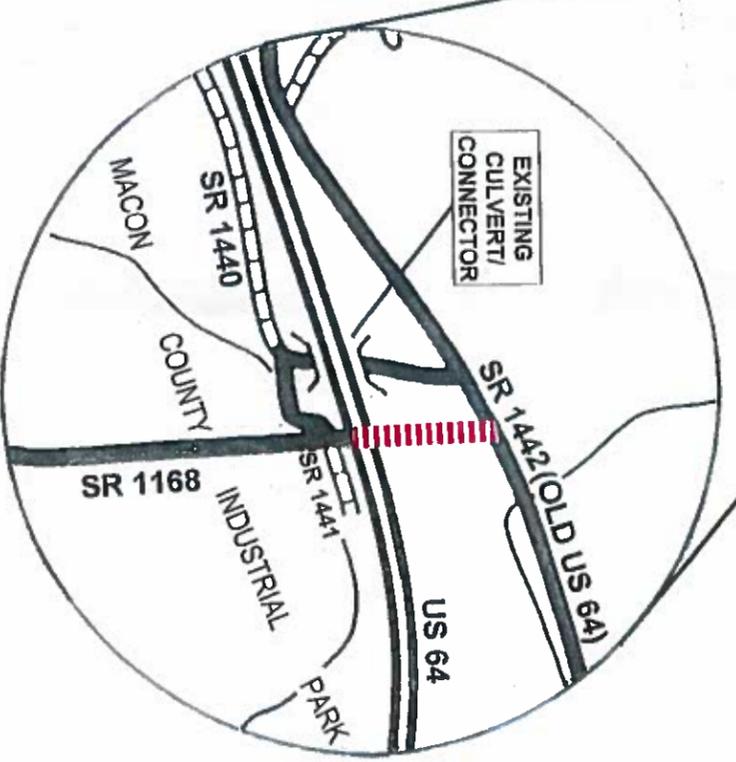
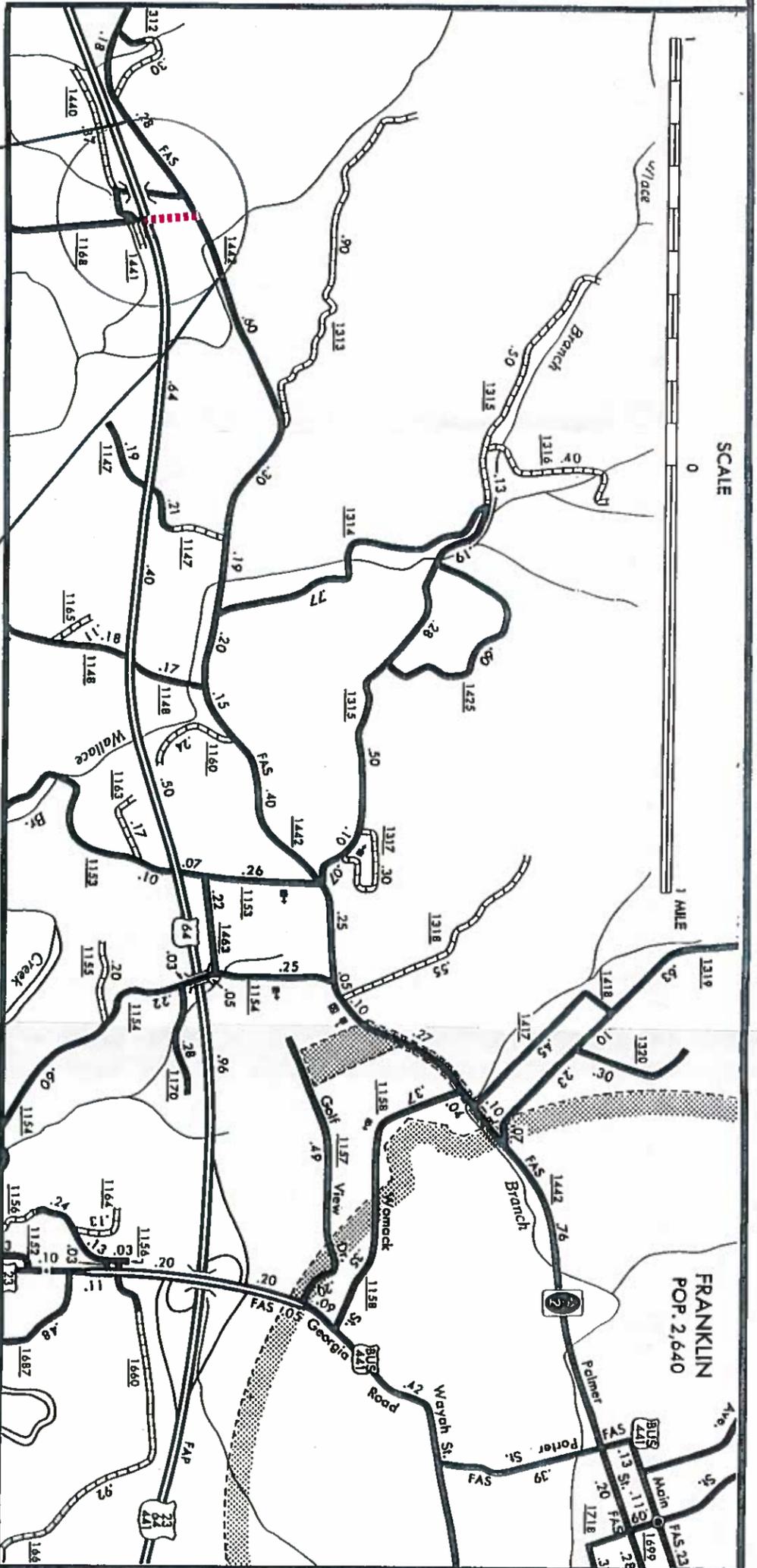
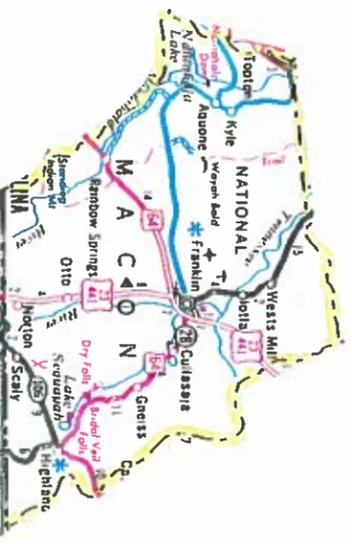
|              |           |
|--------------|-----------|
| Right-of-way | \$ 50,000 |
| Construction | 200,000   |
| -----        | -----     |
| Total        | \$250,000 |

#### **IV. Other Comments**

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

The NCDOT Bicycle Program has identified this segment of roadway as a roadway which does not have need for special accommodations for bicycles.



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| North Carolina Department of Transportation<br>Program Development Branch |
| <b>R-3626</b>   |
| Franklin  |
| New Route   |
| from Old US 64 to New US 64   |
| Macon County  |

DIVISION 14      FIGURE 1