

FEASIBILITY STUDY

NC 106  
From the Georgia State line  
to US 64 at Highlands

Macon County

R-2806

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



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Date

## FEASIBILITY STUDY

NC 106  
From the Georgia State line  
to US 64 at Highlands  
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### I. GENERAL DESCRIPTION

This is a feasibility study for the improvement of NC 106 between the Georgia State Line and the Town of Highlands (see Figure 1). The studied improvements include widening the existing pavement to a 2-lane, 24-foot pavement with 6-foot usable shoulders, including 2-foot paved shoulders. The studied improvements also include the partial realignment of several curves. The total length of the studied improvements is approximately 10.5 miles. The estimated cost of this project is \$12,300,000 (\$1,500,000 for right-of-way, and \$10,800,000 for construction).

This study is not a detailed planning/environmental investigation. A feasibility study presents recommended typical cross sections, general alignments, and estimated cost of the improvement. The study also attempts to provide an early identification of potential environmental, permitting, or other issues which deserve consideration in the planning and construction stages.

### II. NEED FOR PROJECT

An improved roadway, that serves as an alternative to the existing US 64 between Franklin and Highlands was requested by the Town of Highlands. Additionally, several local users of NC 106 requested the improvements at the Transportation Improvement Program (T.I.P.) public meetings.

Recommendations of improvements to US 64 between Franklin and Highlands were the subject of Feasibility Study R-2701. Which, due to the ruggedness of the terrain, consisted of the addition of a 0.9-mile long passing lane between SR 1677 and SR 1533. The travel distance via US 64, from US 23-441 just south of Franklin to Highlands is 21.4 miles. This is less circuitous than the 26.5-mile alternative via US 23-441 and NC 106. Therefore, NC 106 is not recommended as an alternative corridor for US 64. However, the studied improvements considered in this study (R-2806) would provide much needed improvements to NC 106, and provide an alternative route between US 23-441 and Highlands.

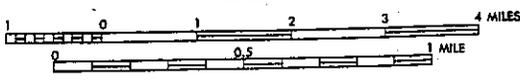
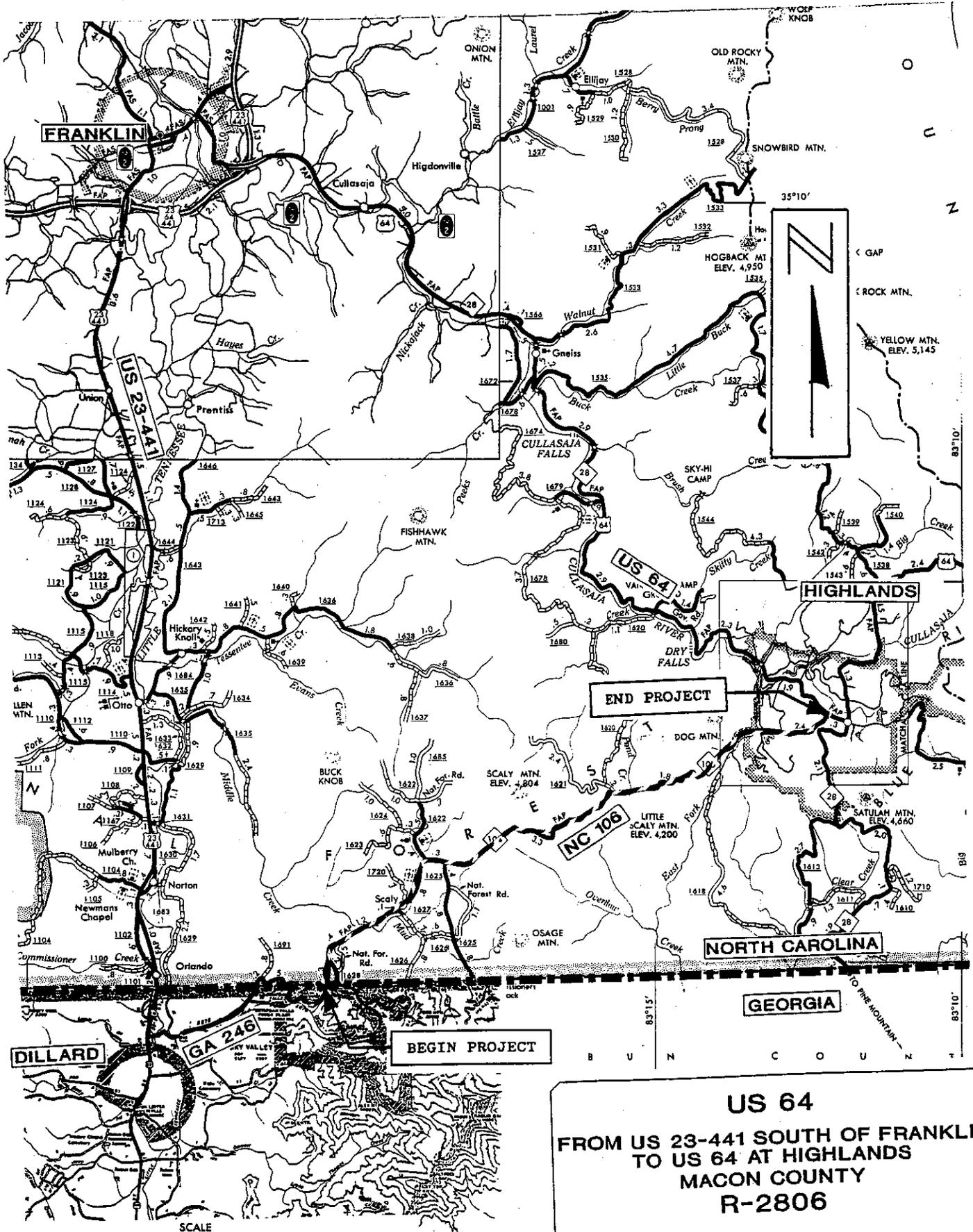
Additionally, the 0.4-mile of Spring Street between NC 106 and US 28 in Highlands (see Figure 2), be widened to a 40-foot wide curb and gutter section. These improvements will enhance safety to motorists on NC 106, and will divert the majority of NC 106 through traffic away from the Franklin central business district. The improvement of Spring Street (see Figure 2) will allow direct access between NC 106 and US 64 east of Highlands. This would reduce congestion on Main Street by bypassing three downtown blocks between First, and Fourth Streets. A bypass of Highlands on a new location is not feasible due to the ruggedness of the terrain, and existing land development.

Project cost is estimated as follows:

Right-of-Way	\$ 1,500,000
Construction	\$ 10,800,000
Total Project Cost	\$ 12,300,000

#### IV. ENVIRONMENTAL CONCERNS

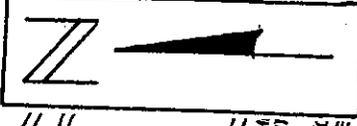
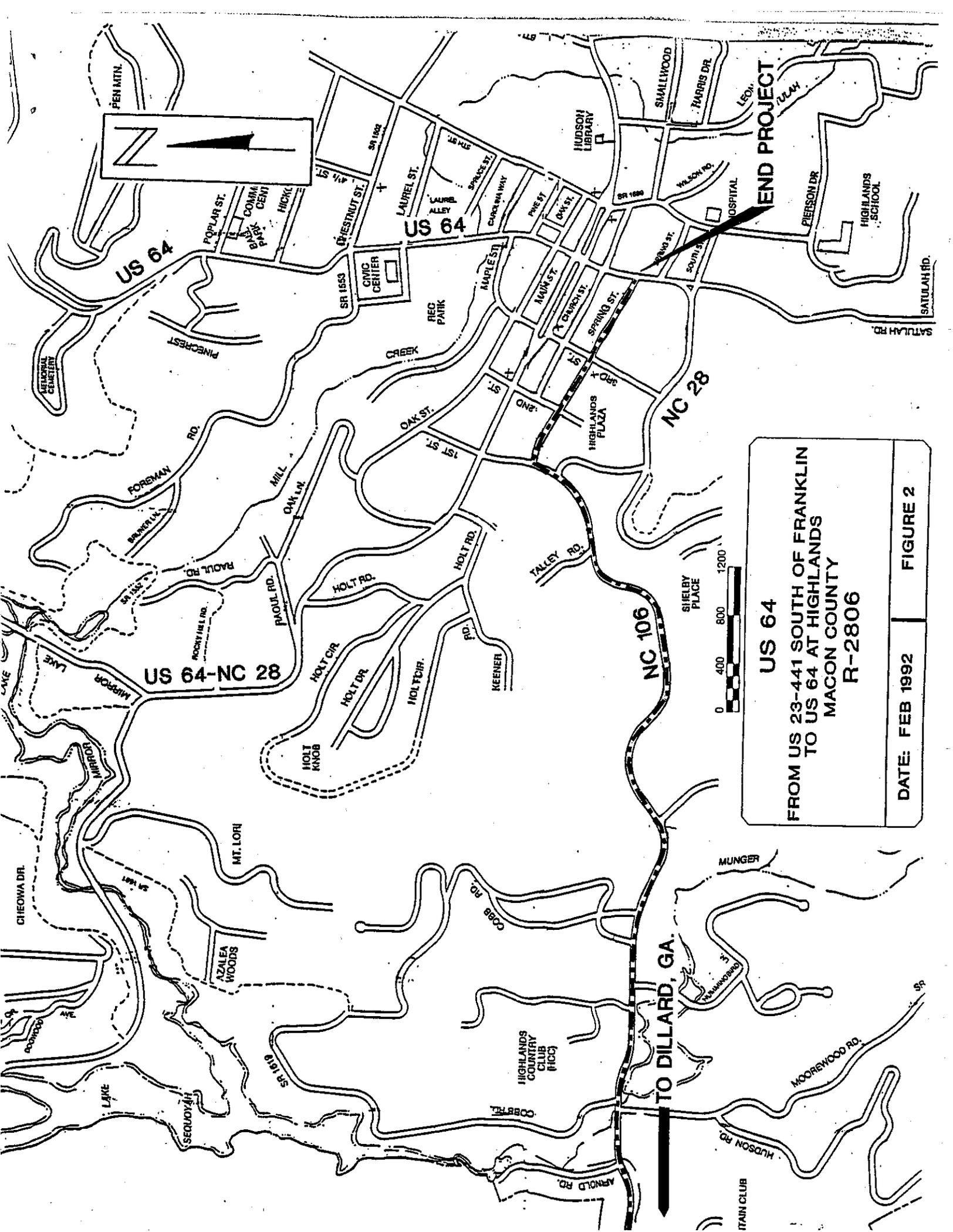
It is estimated that this project would require the relocation of 7 residences, and 2 businesses. An environmental screening was not conducted for this study. However, major environmental impacts are not anticipated due to limiting the improvements within the existing NC 106 corridor.



SCALE FOR ENLARGEMENTS

**US 64**  
**FROM US 23-441 SOUTH OF FRANKLIN**  
**TO US 64 AT HIGHLANDS**  
**MACON COUNTY**  
**R-2806**

DATE: FEB 1992	FIGURE 1
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**US 64**

**FROM US 23-441 SOUTH OF FRANKLIN  
TO US 64 AT HIGHLANDS  
MACON COUNTY  
R-2806**

DATE: FEB 1992	FIGURE 2
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**TO DILLARD, GA.**

**END PROJECT**

**US 64**

**US 64-NC 28**

**NC 106**

**NC 28**

**US 64**

PEN MTN.

POPULAR ST.  
COMM. BANK  
CENT.

SPRING ST.  
SR 1553

LAUREL ST.  
SR 1542

SPRING ST.  
SR 1542

HUDSON  
LIBRARY

SR 1586

OSPIRAL

LEON

TULAH

PIERSON DR.

HIGHLANDS  
SCHOOL

SATULAH RD.

PINECREST

CREEK

CIVIC  
CENTER

REC  
PARK

MAPLE ST.

MAIN ST.

1ST ST.

2ND ST.

3RD ST.

4TH ST.

5TH ST.

6TH ST.

7TH ST.

8TH ST.

9TH ST.

10TH ST.

11TH ST.

12TH ST.

13TH ST.

14TH ST.

15TH ST.

16TH ST.

17TH ST.

18TH ST.

19TH ST.

20TH ST.

21TH ST.

22TH ST.

23TH ST.

24TH ST.

FOREMAN  
RD.

BARRETT LN.

RAOUL RD.

SR 1552

ROCKY HILL RD.

MIRROR  
LAKE

MIRROR  
LAKE

MIRROR  
LAKE

SR 1541

CHIEOWA DR.

SR 1540

LAKE

SECRETARY

SR 1539

LAKE

SR 1538

MT. LORI

AZALEA  
WOODS

SR 1519

HOLT  
KNOB

HOLT DR.

HOLT RD.

HOLT RD.