FEASIBILITY STUDY

Mocksville Bypass

from US 601 south of Mocksville to
SR 1601 (Bethel Church Road)

Davie County

R-3326

Prepared by
Program Development Branch
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I. GENERAL DESCRIPTION

This is a feasibility study for the Mocksville Bypass, from US 601 south of Mocksville to SR 1601 (Bethel Church Road), a distance of approximately 1.9 miles (3.1 kilometers) (See Figure 1). The recommended typical section is a two-lane, 24-foot (7.3-meter) wide roadway with 8-foot (2.4-meter) shoulders on a 100-foot (30.5-meter) wide right- of-way with no access control. The estimated cost of the project is $3,800,000 ($700,000 for right-of-way and $3,100,000 for construction).

This study is not a detailed planning/environmental investigation. A feasibility study presents studied cross sections for improvements, general alignments of improvements, and estimated cost of construction and right- of-way. This study attempts to identify any potential environmental, permitting, or other observed issues which deserve consideration in the planning and construction stages.

II. NEED FOR PROJECT

This project was requested by the City of Mocksville. The Mocksville Bypass is classified as a major thoroughfare on the Mocksville Thoroughfare Plan. The recommended improvements are needed to reduce truck traffic through downtown Mocksville.

The project begins at US 601, south of Mocksville, approximately 0.2 miles (0.3 kilometers) north of the Davie High School. In this area, US 601 is a three-lane, 40-foot (12.2-meter) face-to-face, curb and gutter section with 8-foot (2.4-meter) berms. Land use is residential, institutional, and industrial in this area.

The project ends at the intersection of SR 1601 and SR 1602. SR 1601 is a two-lane roadway. Land use is industrial and undeveloped in this area.

The average daily traffic (ADT) on the new route is estimated to be 1,500 vehicles per day (vpd) in 1994 and 5,300 vpd in the design year 2020. This route would operate at a level of service (LOS) A in 1994 and a LOS C in the year 2020.

III. RECOMMENDATIONS

It is recommended that the Mocksville Bypass be constructed mainly on new location from US 601 south of Mocksville to SR 1601 (See Figure 1). The recommended typical section is a two-lane, 24-foot (7.3-meter) wide roadway with 8-foot (2.4-meter) shoulders on a 100-foot (30.5-meter) wide right- of-way with no access control. Approximately 0.5 miles (0.8 kilometers) of SR 1800 would be reconstructed. All intersections will be at-grade. The intersections of the Mocksville Bypass with US 64 and US 601 would be signalized.

The recommended corridor would provide a bypass route for truck traffic.

Total project costs are estimated as follows:

Construction Cost	$3,100,000
Right-of-Way Cost	$ 700,000
Total Project Cost	$3,800,000

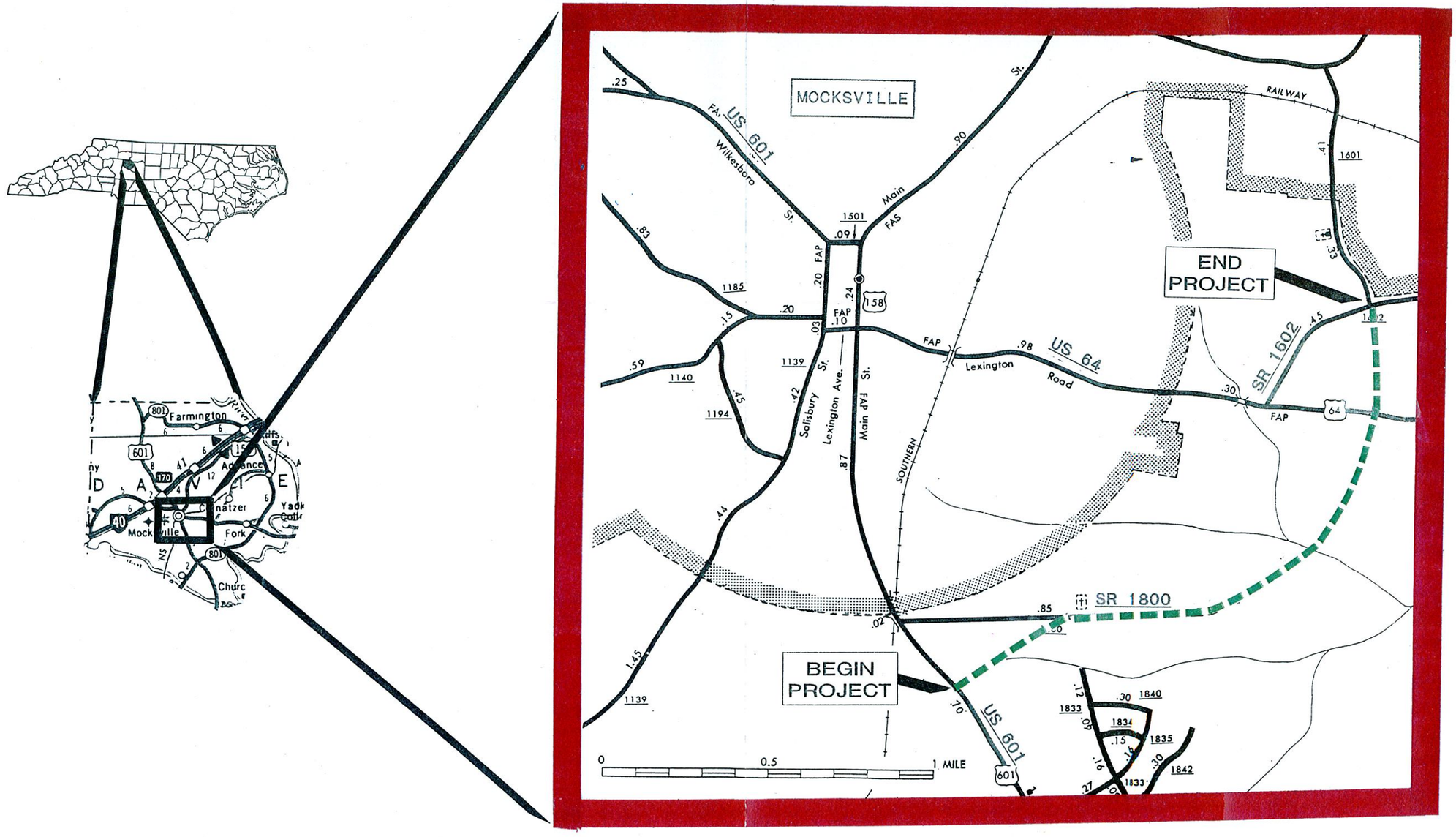
Minimal utility conflicts are expected.

IV. OTHER COMMENTS AND CONCERNS

It is estimated that this project would require the relocation of five residences and one business.

No historical or architecturally significant sites are known to be in the vicinity of the proposed project.

This feasibility study report does not study the Mocksville Bypass in its entirety, as shown on the 1992 Mocksville Thoroughfare Plan. The Mocksville Bypass, from US 601 south of Mocksville to US 601 north of Mocksville was studied in the feasibility study report for TIP Number R-3111. If both, R-3111 and R-3326, are constructed, it would allow traffic between Lexington and Statesville to bypass Mocksville, thereby further reducing congestion through downtown Mocksville.



FEASIBILITY STUDIES UNIT
R-3326 MOCKSVILLE BYPASS from US 601 south of Mocksville to SR 1601 (Bethel Church Road) Davie County
DIV 9 FIGURE 1