

Feasibility Study

Asheboro

US 220 Business (North Fayetteville Street)
and

SR 2270

From SR 2261 (Old Liberty Road)

To US 220 at US 311

Randolph County

Division 8

U-3600

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


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I. GENERAL DESCRIPTION

This preliminary study describes the proposed widening of US 220 Business and SR 2270 from SR 2261 to US 220 at US 311 in Asheboro. The project location is shown on Figure 1. The proposed cross-section is a 5-lane, curb-and-gutter section, 64 feet (19.5 m) wide from face-to-face of curbs, with 10-foot (3.0-m) berms, for the entire project length of 5.2 miles (8.3 km). The widening on US 220 Business extends approximately 1,500 feet (458 m) north of SR 2270. The required right-of-way width is 100 feet (30.5 m).

The existing bridge over Haskett's Creek, which is Structure No.30, will be rehabilitated and widened to a width of 70 feet (21.3 m).

Also, Hub Morris Ave. and Art Bryan Rd. will be slightly relocated in order to eliminate the offset between these roads where they intersect US 220 Business. Art Bryan Rd. leads to a large industrial plant. Further, the studied improvements include minor revisions to the existing six traffic signal installations within the project limits, and a new traffic signal at the US 220 Business - SR 2270 intersection.

This project will likely require one business relocation and no residential relocations. The total cost including construction and right-of-way is estimated to be \$18,000,000.

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 increase the traffic carrying capacity and safety of US 220 Business in Asheboro. The project was requested by the City of Asheboro and the Asheboro/Randolph Chamber of Commerce.

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Also, Hub Morris Ave. and Art Bryan Rd. will be slightly relocated in order to eliminate the offset between these roads where they intersect US 220 Business. Art Bryan Rd. leads to a large industrial plant. Further, the studied improvements include minor revisions to the existing six traffic signal installations within the project limits, and a new traffic signal at the US 220 Business - SR 2270 intersection.

This project will likely require one business relocation and no residential relocations. The total cost including construction and right-of-way is estimated to be \$18,000,000 as follows:

Right-of-Way	\$ 3,600,000
Construction	<u>14,400,000</u>
Total Cost	\$18,000,000

IV. OTHER COMMENTS

An environmental screening was not conducted for this study. Minor wetlands may be encountered at Haskett's Creek. No historic properties, or endangered species are anticipated.