



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

JAMES B. HUNT JR.
GOVERNOR

1534 MAIL SERVICE CENTER, RALEIGH, NC 27699-1534

DAVID MCCOY
SECRETARY

August 21, 2000

MEMORANDUM TO: Mr. S. Clark Jenkins, Member, Board of Transportation
Mr. D. R. Dupree, Division Engineer, Division 4
Mr. David D. King
Mr. C. W. Leggett, P.E.
Mr. J. M. Lynch, P.E. (3) Attention: Jim Dunlop, P.E.
Mr. J. B. Williamson
Mr. Bill Gilmore, P.E. (2)
Ms. D. M. Barbour, P.E.
Mr. J. E. Alford, P.E.
Mr. Blake Norwood, P.E.
Mr. A. L. Avant (2)
Mr. J. D. Lane
Mr. T. A. Peoples, P.E.
Mr. David Smith, P.E.

FROM: Mr. H. Franklin Vick, P.E. *H. F. Vick*
Feasibility Studies Unit Head

SUBJECT: Feasibility Study # FS-9904D, SR 1629 (Julian Allsbrook
Highway) from NC 125 (Tenth Street-Smith Church Road) to
NC 48 (Roanoke Avenue), Roanoke Rapids, Halifax County.

Our staff has completed a feasibility study for the subject proposed project. This brief analysis suggests improvements that would be logical if the project were to be funded. A copy of our report is attached for your information.

HFV/dl

Attachment

cc: Mr. R. L. Hill, P.E.
Mr. L. A. Sanderson, P.E.

FEASIBILITY STUDY

Roanoke Rapids

**SR 1629 (Julian Allsbrook Highway)
from NC 125 (Tenth Street - Smith Church Road)
to NC 48 (Roanoke Avenue)
Halifax County**

Division 4

FS-9904D

u-4418



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

Derrick W. Lewis

Derrick W. Lewis, P.E.
Feasibility Studies Engineer

H. Franklin Vick

H. Franklin Vick, P.E.
Feasibility Studies Unit Head

8/15/00
Date

FS-9904D

Roanoke Rapids
SR 1629 (Julian Allsbrook Highway)
From NC 125 (Tenth Street - Smith Church Road)
To NC 48 (Roanoke Avenue)

Halifax County

Division 4

I. General Description

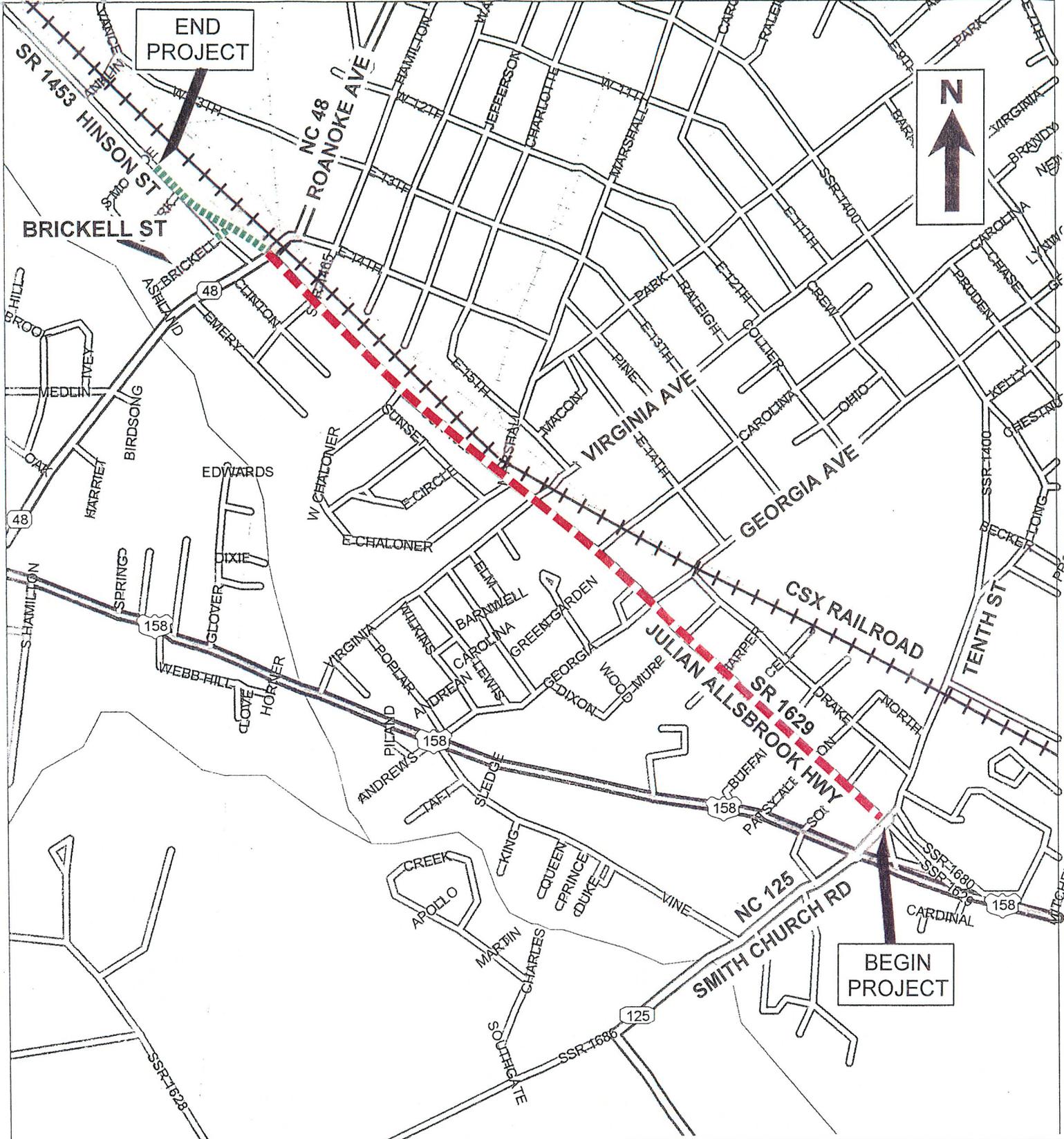
This feasibility study describes the widening of SR 1629 (Julian Allsbrook Highway) from NC 125 (Tenth Street - Smith Church Road) to NC 48 (Roanoke Avenue), a distance of 1.3 miles (2.1 km). The project location is shown in Figure 1. The recommended cross section is a five-lane curb and gutter section, 64-foot (19.5-m) wide face-to-face of curbs, with 10-foot (3.0-m) wide berms on 100-foot (30.5-m) of right-of-way. The widening of SR 1629 should be generally symmetrical around the existing facility. Given the anticipated impacts on the development along this facility, a reduced right-of-way width should be investigated during the later planning and design stages.

In addition to the widening of SR 1629, the scope of the recommended improvements should also include the following:

1. Relocate SR 1453 (Hinson Street) into the adjacent NC 48 / SR 1629 intersection. The relocated SR 1453 should be a 2-lane curb and gutter section, 28-foot (8.5 m) wide face-to-face of curbs, with 10-foot (3.0 m) wide berms.
2. Provide dual left turn lanes on the westbound NC 48 approach to the SR 1629 intersection. As part of this improvement, the adjacent NC 48 / East 14th Street intersection, northeast of the railroad crossing, would need to be restricted to right in / right out movements only.
3. Provide an exclusive right turn lane on the northbound SR 1629 approach to the NC 125 intersection.

It is estimated that right-of-way for this project will result in the relocation of no residences and eight businesses. The total cost for right-of-way and construction is estimated to be \$10,950,000 as follows:

| | |
|-------------------|----------------------|
| Construction..... | \$ 3,650,000 |
| Right-of-way..... | \$ 7,300,000 |
| Total Cost | <u>\$ 10,950,000</u> |

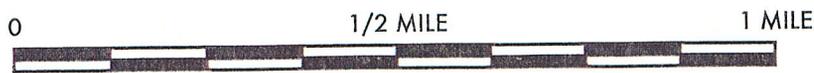


END PROJECT



LEGEND

| | |
|--|---------------------|
| | WIDENING |
| | NEW LOCATION |



| |
|--|
| North Carolina Department of Transportation Program Development Branch |
| <p>FS-9904D</p> <p>SR 1629 (Julian Allsbrook Highway) From NC 125 (Tenth St-Smith Church Rd) To NC 48 (Roanoke Ave)</p> <p>Halifax County</p> |
| DIVISION 4 FIGURE 1 |