



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

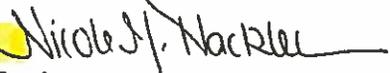
1534 MAIL SERVICE CENTER, RALEIGH, N.C. 27699-1534

W. LYNDO TIPPETT
SECRETARY

May 25, 2005

MEMORANDUM

TO: Mr. Calvin W. Leggett, P.E.
Manager, Program Development Branch

FROM: Nicole M. Hackler 
Feasibility Studies Engineer

SUBJECT: *U-3457 Re-evaluation* – NC 66 (Broad Street) from SR 2170 (Wallasey Road) to Park Street, Forsyth County

As requested, we have completed a re-evaluation of Feasibility Study U-3457 for the widening of NC 66 (Broad Street) from SR 2170 (Wallasey Road) to Park Street. The purpose of this study is to evaluate a three-lane section within the project limits mentioned above, a total distance of approximately 1.0 mile. (See Figure 1 for further details).

This project was originally investigated in 1996 under TIP No. U-3457, a copy of which is attached for your reference. At that time, the Winston-Salem MPO requested an investigation for a three-lane section from SR 2170 (Wallasey Road) to SR 1654 (Washington Street). The resulting study recommended that the section be five-lane in order to accommodate anticipated traffic volumes, and for an extension of the project limits to the south to SR 1672, an addition of nearly two more miles. (This extension was recommended in order to match the existing five-lane section at the southern end, to prevent traffic bottlenecks, and to maintain the integrity of the corridor). Due to local opposition to the recommended five-lane improvements, funding for this project was not pursued.

As best we can determine, the Winston-Salem Forsyth UA MPO and the Town of Rural Hall requested a three-lane alternative be studied again for this project. New limits for this three-lane section were designated on NC 66 from SR 2170 (Wallasey Road) to Paso Street. Subsequent investigation by our Department showed the current and projected traffic volumes still indicated the need for either a four or a five-lane section in order to accommodate the anticipated number of vehicles. The current year ADT is 14,000 vehicles per day (VPD) with projected volumes being 19,200 VPD in Design Year 2025, which well exceeds the capacity of a three-lane section. Our later field investigation also determined a more logical northern termini

to be at Park Street, approximately 825' north of Paso Street. This extension to the north would allow the roadway to match to an existing three-lane section at Park. With this new field investigation it was also found that the majority of the roadway within the requested project limits had recently been improved to three-lanes, with the exception of several gaps from SR 2170 (Wallasey Road) to Park Street. Given the new construction and the continued objections from both the Town of Rural Hall and the local area MPO to any section greater than three-lanes, we have only evaluated the costs and impacts associated with providing a three-lane section for the shorter limits discussed above. The three-lane curb and gutter section is to be 40' wide face to face of curbs with 15' berms and 6' sidewalks on 80' of right of way in all areas where this section has not yet been constructed. The costs shown below are for upgrading the unimproved areas of the roadway to match the recently widened portions, in order to make one continuous three-lane corridor on NC 66 (Broad Street) from SR 2170 (Wallasey Road) to Park Street. It is anticipated these spot improvements will impact no residences or businesses.

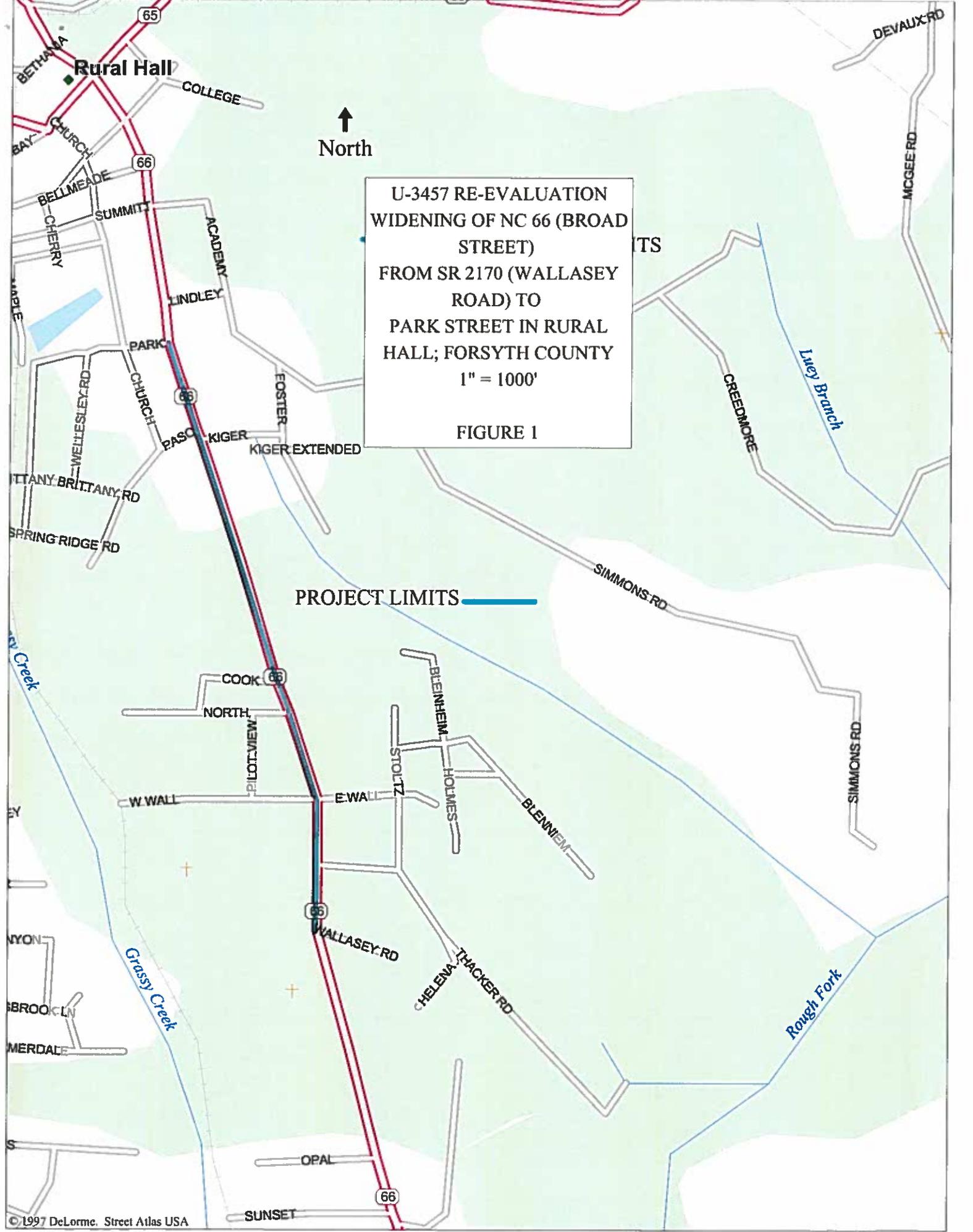
The total cost for this project is as follows:

Construction.....	\$ 1,950,000
Right of Way.....	\$ 1,600,000
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Total Cost.....	\$ 3,550,000.

In order to accommodate anticipated traffic volumes in this area, it is still likely a four or five-lane section with longer project limits will be needed in the future. Therefore, the three-lane upgrades indicated in this memorandum are to be considered as interim improvements only.

This work is preliminary and not the product of comprehensive environmental or design evaluations. If you should have further questions or need additional information, please do not hesitate to contact me at 733-2039 x 351, or via e-mail at nmhackler@dot.state.nc.us.

cc: Nancy W. Dunn , Member – Board of Transportation
Al Avant, Assistant Branch Manager – Programming
Pat Ivey , P.E. – Division Engineer, Division 9
Mike Stanley, P.E., TIP Squad Leader – Central Region
Nathan Phillips, P.E., Congestion Management
Tony Houser, P.E. Roadway Design



U-3457 RE-EVALUATION
 WIDENING OF NC 66 (BROAD
 STREET)
 FROM SR 2170 (WALLASEY
 ROAD) TO
 PARK STREET IN RURAL
 HALL; FORSYTH COUNTY
 1" = 1000'
 FIGURE 1

PROJECT LIMITS ———