MEMORANDUM TO:        Whitmel H. Webb, P. E.
                   Manager Program Development Branch

FROM:                David G. Modlin, Jr., P. E.
                   Feasibility Studies Unit Head

SUBJECT:             Status of various preliminary studies in Alamance and
                   Caswell Counties

December 27, 1994

At your request I am providing very preliminary construction cost estimates for potential
projects in Alamance and Caswell Counties. Should these projects proceed further, it will
be necessary to review the alignments and costs with the exception of the NC 119 - NC 62
Connector as discussed in the Feasibility Study for R-3105.

NC 119 to NC 62 Connector
   Two lanes on new location offset on a multilane right of way,
   estimated construction cost ----- $4,250,000.

NC 62 Connector to US 158 Bypass
   Five-lane curb and gutter section,
   estimated construction cost ----- $2,950,000.

US 158 Bypass (NC 62 to NC 86 Connector)
   Four-lane divided with a 46-foot median, interchange at the NC 62
   Connector, grade separation at SR 1572, and interchange at NC 86,
   estimated construction cost ----- $15,900,000.

NC 86 from US 158 Bypass to Virginia State Line
   Four lane divided with 46-foot median by adding two lanes and the median,
   estimated construction cost ----- $17,200,000.

At this time right of way estimates have not been requested for the above alternates
because of the preliminary nature of the request and the time consuming effort of obtaining
right of way estimates in general.

Should you decide that we should proceed with more in-depth studies, please
advise.