



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

P.O. BOX 25201, RALEIGH, N.C. 27611-5201

LYNDO TIPPETT
SECRETARY

321 Gillburg Road
Henderson, NC 27537
252-492-0111

October 22, 2004

Mr. Benny Finch, Director
Vance County Economic Development
PO Box 2017
Henderson, NC 27536

Subject: Vance County "Hub Site" - Triangle North Corporate Park, Capps Properties and Crews Properties

Dear Mr. Finch:

Pursuant to your request, this office has investigated the subject adjacent roadways in regard to its status as a Certified Development site, and the following information is offered.

Poplar Creek Road is currently a 24' wide two-lane facility that has an ADT of 1900 VPD. In accordance with the Department of Commerce, Site Requirements, Minimal Site Access guidelines, this facility provides adequate width for tractor/trailer access. Poplar Creek Road was widened and a 1.25" overlay was placed during the 2000-resurfacing program. The pavement structure should support the access requirements however, without a more in-depth analysis providing core samples and deflection tests this is simply an observation based on historical roadway use and the fact that the roadway was recently resurfaced. In addition, the bridge located on SR 1126, which spans Interstate 85, has an inventory rating of HS-17 and an operating rating of HS-29.

US 158 By-pass is currently a 24' wide two-lane facility that has an ADT of 3800 VPD. This facility provides adequate width and pavement structure for tractor/trailer access. In fact, this route is scheduled to be resurfaced within the next year. This office was not provided any site plan details of the proposed site, the amount of traffic (i.e., truck, passenger vehicles, etc.) this site will generate. As a result, turn lanes on US 158 By-pass and on Poplar Creek Road may have to be installed as a result of this development. Additionally, a traffic study would need to be performed at the affected intersections to determine the impact it would have on the existing conditions and post conditions. Traffic signals maybe needed as a result the development site. If funding becomes available these improvements may be necessary for this development site.

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It should be noted that this information is preliminary. Provided an actual Industry or Commercial development occupies this site a more detailed investigation will be performed at that time stipulating the specific improvements that will be required.

If further information is required please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Stephen D. Winstead". The signature is written in a cursive style with a large, stylized initial "S".

Stephen D. Winstead, PE
District Engineer

SDW/dm
M174-04

Cc: File