

M0900005

Treyburn Middle School

Request: 850 Student Middle School

Location: 923 Snow Hill Road

12/18/09

Infrastructure Impacts

Road Impacts

Snow Hill Road is the major road impacted by the proposed request. NCDOT TIP project U-4721 proposes the construction the Northern Durham Parkway through a substantial portion of this site. The cross-section and exact alignment for this improvement has yet to be determined; and the project is currently unfunded.

Affected Segments		Snow Hill Road
Roadway Capacity (LOS D) (AADT)		11,700
Latest Traffic Volume (AADT)		2,700
Traffic Generated by Present Designation (average 24 hour)		3,179* 1,740**
Traffic Generated by Proposed Designation (average 24 hour)		1,377**
Committed Transportation Elements		

Source of LOS Capacity: FDOT Generalized Level of Service Volume Table 4-1 (2002)

Snow Hill Road: 2-lane major city/county roadway without left-turn lanes

Source of Latest Traffic Volume: 2007 NCDOT Traffic Count Map

*Assumption- (Max Use of Existing Zoning) – PDR 2.24: 337 single family lots

** Assumption- (Max Use of Proposed Zoning) – RR: 175 single family lots

*** Assumption- (Max Use of Proposed Zoning) – RR: 850 student middle school

Transit Impacts

Transit service is currently provided within one quarter mile of the site along Snow Hill Road via DATA Route #17.