

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PAT MCCRORY
GOVERNOR

ANTHONY J. TATA
SECRETARY

January 16, 2015

VHB Engineering, NC, P.C.
Attn: Lauren Triebert, P.E.
4000 West Chase Blvd., Suite 530
Raleigh, NC 27607

Subject: Straw Valley Development Traffic Impact Analysis

The Department has reviewed the Traffic Impact Analysis for the Straw Valley Development prepared by VHB Engineering in October 2014. In order to accommodate the site-generated traffic safely and efficiently, while also attempting to protect the functional integrity and operational capacity of the adjacent roadway facilities, the below noted improvements and/or restrictions are required of this development.

Mt. Moriah Road (SR 2294) and Durham-Chapel Hill Boulevard (US 15-501)

- Construct an additional southbound right-turn lane with adequate storage and appropriate tapers on Mt. Moriah at Durham-Chapel Hill Boulevard (US 15-501). The existing median island will need to remain in place to restrict driveway access and separate northbound and southbound traffic.

Site Access #1 and Site Access #2 and New Hope Commons Drive (Advisory Comments – Private Drive)

- Construct an eastbound left-turn with adequate storage and appropriate tapers on New Hope Commons Drive, with a two-way left-turn lane between Site Access #1 and Site Access #2.
- Site Access #1 and Site Access #2 shall allow full movement and consist of a three-lane cross-section (one ingress and two egress lanes). The egress lanes shall consist of an exclusive right-turn and an exclusive left-turn lane.
- Site Access #1 and Site Access #2 shall have a minimum of 100 feet of Internal Protective Storage before a parking and/or crossing maneuvers occur.

Mt. Moriah Road and New Hope Commons Drive

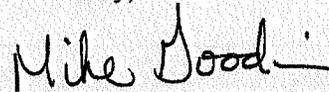
- Install a two phase traffic signal, subject to MUTCD warrants to control eastbound New Hope Commons Drive, southbound Mt. Moriah Road, and the northbound left turn on Mt. Moriah Road.
- Remove the existing left turn lane on New Hope Commons Drive in order to restrict eastbound traffic to right turns only.
- Extend existing island on Mt. Moriah Road and construct it as a left over which will allow northbound left turns from Mt. Moriah Road and control eastbound and westbound New Hope Commons Drive to right turns only.

New Hope Commons Drive and Site Access #3 (Hoffler Lane)

- Relocate Hoffler Lane to the east side of the site to provide access to the site from New Hope Commons Drive (Site Access #3) while maintaining public vehicular access from New Hope Commons Drive to the Durham-Chapel Hill Boulevard Service Road.
- Construct Site Access #3 with one egress lane with a minimum of 100 feet of IPS and one ingress lane.

If you have any questions or need additional information, please feel free to contact me at 919-220-4750.

Sincerely,



Mike Goodwin
Assistant District Engineer

cc: Joey Hopkins, PE, Division Engineer
Doumit Ishak, Congestion Management Regional Engineer
Wesley Parham, P.E., City of Durham
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