



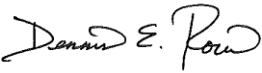
# Charlotte Department of Transportation

## Memorandum

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**Date:** September 23, 2014

**To:** Tammie Keplinger  
Charlotte-Mecklenburg Planning Department

**From:**   
Dennis E. Rorie, PE  
Development Services Division

**Subject:** Rezoning Petition 14-103: Approximately 5.5 acres located on the north side of Endhaven Lane between North Community House Road and Misty Ridge Lane.

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CDOT has completed a review of the subject petition in order to ensure consistency with the Transportation Action Plan (TAP). The TAP seeks to ensure that Charlotte's transportation network supports current and future land uses and includes streets that provide safe and comfortable mobility for motorists, pedestrians, bicyclists, and transit users. Based on our review of the petition, we offer the following comments.

### Vehicle Trip Generation

This site could generate approximately 200 trips per day as currently zoned. Under the proposed zoning the site could generate approximately 320 trips per day.

### CDOT requests the following changes to the rezoning plan:

1. CDOT requests that the petitioner construct a mid-block pedestrian crossing along Endhaven Lane within existing right-of-way limits, in a location to be determined by CDOT during the permitting phase.
2. Endhaven Lane will be widened as part of the North Community House Bridge project along the site's property frontage. As such, CDOT requests the petitioner reflect these future improvements on the revised site plan.

The following are requirements of the developer that must be satisfied prior to driveway permit approval. We recommend that the petitioner reflect these on the rezoning plan as-appropriate.

1. According to the City of Charlotte's Driveway Regulations, CDOT has the authority to regulate/approve all private street/driveway and public street connections to the right-of-way of a street under the regulatory jurisdiction of the City of Charlotte. CDOT has determined that a left-turn lane is necessary to serve the traffic using the proposed public street/private driveway connection(s) for this site. The engineering design and construction of the left-turn

lane is the responsibility of the owner, and shall be performed by a professional engineer registered in the State of North Carolina who has roadway-design experience. CDOT will only approve the proposed public street/private driveway connection(s) provided that a left-turn lane is constructed on Endhaven Lane. We recommend the rezoning plan reflect the design of this required left-turn lane prior to submittal/approval of the public street/private driveway connection(s). The left-turn lane needs to be designed using NCDOT standards with a minimum 150 feet of storage. This roadway improvement is required to meet the traffic demands of the proposed development.

2. Adequate sight triangles must be reserved at the existing/proposed street entrance(s). Two 35' x 35' and two 10' x 70' sight triangles are required for the entrance(s) to meet requirements. All proposed trees, berms, walls, fences, and/or identification signs must not interfere with sight distance at the entrance(s). Such items should be identified on the site plan.
3. The proposed driveway connection(s) to Endhaven Lane will require a driveway permit(s) to be submitted to CDOT for review and approval. The exact driveway location(s) and type/width of the driveway(s) will be determined by CDOT during the driveway permit process. The locations of the driveway(s) shown on the site plan are subject to change in order to align with driveway(s) on the opposite side of the street and comply with City Driveway Regulations and the City Tree Ordinance.
4. All proposed commercial driveway connections to a future public street will require a driveway permit to be submitted to CDOT for review and approval.
5. Any fence or wall constructed along or adjacent to any sidewalk or street right-of-way requires a certificate issued by CDOT.
6. A Right-of-Way Encroachment Agreement is required for the installation of any non-standard item(s) (irrigation systems, decorative concrete pavement, brick pavers, etc.) within a proposed/existing City maintained street right-of-way by a private individual, group, business, or homeowner's/business association. An encroachment agreement must be approved by CDOT prior to the construction/installation of the non-standard item(s). Contact CDOT for additional information concerning cost, submittal, and liability insurance coverage requirements.

If we can be of further assistance, please advise.

K. Bryant

cc: S. Correll  
Rezoning File