

Rezoning Transportation Analysis

Petition Number: 2017-020

General Location Identifier: 205-17-110, 205-17-111

From: Kelsie Anderson, PE
Kelsie.Anderson@charlottenc.gov
704-432-5492

Staff Reviewer: Kory Hedrick, PE, PMP
Khedrick@charlottenc.gov
704-432-6511

CDOT's review of this rezoning petition is intended to ensure consistency with the Transportation Action Plan (TAP) which seeks to ensure that the City'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.

This document is primarily for communication to Planning Department staff as part of the overall City staff analysis of the rezoning petition and includes an overall summary of the case from a transportation perspective, information on trip generation, and resolved or outstanding site plan concerns. Additional advisory information about the driveway permit process is provided for information only.

Based on our review of the petition, we offer the following information for your consideration.

Transportation Summary

The site is located at the unsignalized intersection of a minor thoroughfare and a dead end local street. The CPCC Harper Campus and a City intersection improvement project are nearby. Therefore, CDOT's goals in this area include improvement of pedestrian and bike facilities and developing more street network. There is not existing curb and gutter or sidewalk on the site's Old Hebron Rd frontage and these facilities may not be required during permitting.

General Description

The site is located at the unsignalized intersection of Nations Ford Rd., a minor thoroughfare, and Old Hebron Rd., a dead end local street that one day could punch through to England St.

The site is located in a corridor, outside of Route 4, and doesn't fall within an area plan boundary. It is near the CPCC Harper Campus and a City intersection improvement project at Arrowood and Nations Ford.

Trip Generation

Scenario	Land Use	Intensity	Trip Generation (vehicle trips/day)	Source
Existing Use	Vacant (4.826 acres)	-	-	Tax Record
Entitlement with Current Zoning	Single Family (4.826 acres of R-3)	82 dwellings	620	General Guidance from Planning
Proposed Zoning	Warehouse (4.826 acres of I-1)	48,260 sf	170	General Guidance from Planning

Resolved Issues

N/A

Rezoning Transportation Analysis

Petition Number: 2017-020

General Location Identifier: 205-17-110, 205-17-111

Outstanding Issues

N/A

Advisory Information

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.
2. Adequate sight triangles must be reserved at the existing/proposed street entrance(s). Two 35' x 35' sight triangles (and two 10' x 70' sight triangles on North Carolina Department of Transportation on NCDOT maintained streets) 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 public streets will require a driveway permit(s) to be submitted to CDOT (and the North Carolina Department of Transportation on NCDOT maintained streets) 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.

Revision Log

Date	Description	By
12-08-16	First Review	KMH