

# Rezoning Transportation Analysis

Petition Number: 2018-007

General Location Identifier: 14124103

**From:** Kelsie Anderson, PE  
[Kelsie.Anderson@charlottenc.gov](mailto:Kelsie.Anderson@charlottenc.gov)  
704-432-5492

**Reviewer:** Carlos Alzate  
calzate@charlottenc.gov  
704-432-0672

**Revision Log:**

Date	Description
02-15-17	First Review
04-24-18	Second Review

## General Review Information

The site is at the unsignalized intersection of Beam Rd (minor thoroughfare) and Shopton Rd (minor thoroughfare) and is located in a center outside Route 4. City project at Beam and Shopton to install a roundabout.

---

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 intersection of two minor thoroughfares. The proposed use is an expansion of the existing Charlotte-Mecklenburg Police Department and the Charlotte Fire Department training facility. The site plan commits to extension of the sidewalk on Beam Road and dedication of the future right-of-way.

## Trip Generation

Scenario	Land Use	Intensity	Trip Generation (vehicle trips/day)	Source
Existing Use	The site is currently occupied by a vehicle training facility, used by the Charlotte-Mecklenburg Police Department and the Charlotte Fire Department. The proposed rezoning would expand the existing use. There is no trip generation code that accurately depicts this use.			
Entitlement with Current Zoning				
Proposed Zoning				

## Outstanding Issues

Strikeout = Not an outstanding issue

- ~~Traffic Study~~ A Traffic Impact Study/Transportation Technical Memorandum is not needed for the complete review of this petition.
- The petitioner should revise the site plan and conditional note(s) to show proposed sidewalk to be 6 feet wide. Back of sidewalk should be placed 55' from centerline.

# Rezoning Transportation Analysis

Petition Number: 2018-007

General Location Identifier: 14124103

3. ~~The petitioner should revise the site plan and conditional note(s) to commit to extending sidewalk construction to meet the streetscape that's being installed within the Beam and Shopton roundabout project limits. City Project Manager is Alan Morrison (704-620-0087).~~
4. ~~The petitioner should revise the site plan and conditional note(s) to show future street right of way 57' from centerline to accommodate a future 4-lane divided cross section with bike facilities. Back of sidewalk should be placed 55' from centerline.~~

## 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.