

Rezoning Transportation Analysis

Petition Number: 2020-170

General Location Identifier: Tax ID 9309802

From: Robyn Byers, Ph.D.
Robyn.Byers@charlottenc.gov
704-336-7404

Reviewer: Walta Blackmon
Walta.Brumskine@charlottenc.gov
704-432-1556

Revision Log:

Date	Description
12-28-2020	First Review (WB)

General Review Information

The site abuts two City-maintained streets: Shamrock Drive (minor thoroughfare) and Downs Avenue (local road) inside Route 4. The project is in the East Wedge in the Eastside Strategy Study Area.

Active Projects Near the Site:

- Shamrock Drive Complete Street
 - The project will add sidewalks, bike lanes with curb and gutter on Shamrock Drive from Newell Avenue to Flamingo Avenue
 - Project status is at 90% and anticipated completion is estimated for 2025.

CDOT's review of this rezoning petition is intended to provide consistency with council adopted policies, plans, standards and guidelines including, but not limited to, the [Transportation Action Plan \(TAP\)](#), [Vision Zero](#), [Urban Street Design Guidelines \(USDG\)](#), [Center, Corridor and Wedges](#), [Charlotte BIKES](#), [Traffic Impact Study Guidelines](#) and [Charlotte WALKS](#). With a commitment to design complete streets, this review is 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 on a minor thoroughfare road [Shamrock Drive] and a local road [Downs Avenue]. There is an active project nearby, Shamrock Drive Complete Street, that will be adding sidewalks, bike lanes, and curb and gutter on Shamrock Dr. As this is a conventional rezoning petition, CDOT will work with the petitioner during permitting to coordinate with existing projects in the area and determine any other development requirements.

Trip Generation

Scenario	Land Use	Intensity	Trip Generation (vehicle trips/day)	Source
Existing Use	Single Family	1 Dwelling	10	Tax Record
Entitlement with Current Zoning	Single Family (R-5 0.26 acres)	1 Dwelling	10	General Guidance from Planning
Proposed Zoning	Single Family	2 Dwellings	20	Site Plan: 11-23-20

Rezoning Transportation Analysis

Petition Number: 2020-170

General Location Identifier: Tax ID 9309802

Outstanding Issues

~~Strikethrough~~ = Resolved

1. ~~Traffic Study:~~

~~A Traffic Impact Study is not necessary for the complete review of this petition due to the site generating less than 2,500 daily trips. If during the permitting process the site generates more than 2,500 daily trips, then a traffic study will be required.~~

Advisory Information

The following are requirements of the developer that must be satisfied prior to driveway permit approval. These requirements shall be reflected on the rezoning plan, as appropriate.

1. 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 NCDOT-maintained streets) are required for the entrance(s) to meet requirements. All proposed trees, berms, walls, fences, and/or identification signs shall not interfere with sight distance at the entrance(s) and shall be identified on the site plan.
2. The proposed driveway connection(s) to public streets will require a driveway permit(s) to be submitted to CDOT (and NCDOT 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.
3. All proposed commercial driveway connections to a future public street will require a driveway permit submitted to CDOT for review and approval.
4. Any fence or wall constructed along or adjacent to any sidewalk or street right-of-way requires a certificate issued by CDOT.
5. 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 construction/installation. Contact CDOT for additional information concerning cost, submittal, and liability insurance coverage requirements.
6. The petitioner needs to complete and submit the [Right of way Abandonment Petition form](#) to CDOT for review. The decision of this rezoning petition does not correlate with the decision of the possible abandonment, as this decision is issued within the separate Right of Way Abandonment process that is controlled by North Carolina General Statutes.
7. To attain a street and pedestrian lighting recommendation, the petitioner should coordinate with Anthony Mendez, CDOT. Please visit the following link:
<https://charlottenc.gov/Transportation/Programs/Pages/StreetLighting.aspx>