

Rezoning Transportation Analysis

Petition Number: 2022-202

General Location Identifier: 02932127, 02832166, 02932126

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Revision Log:

Date	Description
4-26-23	First Review (JT)

General Review Information

The petition is located adjacent to Benfield Road, a City-maintained minor throughfare, and west of Prosperity Church Road, a City-maintained minor throughfare. The petition is located in a Prosperity Church Road Activity Center outside of Route 4, within the Prosperity Hucks Area Plan.

Active Projects Near the Site:

- Convenience Store Prosperity Church Rd
 - Commercial project for a convenience store located on the 4700 block of Prosperity Church Road
- Prosperity Ridge Mixed Use
 - Mixed use subdivision project
- DeArmon Road Complete Street Improvements
 - Improvements on Dearmon Road from Browne Road to Benfield Road
 - Currently in design phase, project schedule to be complete in mid 2028
- Craven Thomas Road and Robert Helms Road Streetscape
 - Streetscape improvements along Craven Thomas Road and Robert Helms Road
 - Currently under construction schedule for completion in mid 2023

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 adjacent to Benfield Road, a City-maintained minor throughfare, and west of Prosperity Church Road, a City-maintained minor throughfare. A Traffic Impact Study (TIS) is not necessary for the complete review of this petition due to the conventional rezoning. CDOT will work with the petitioner during the permitting process to ensure all required streetscape and transportation related ordinance requirements are complied with for adequate access and connectivity to the site and surrounding network.

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Trip Generation

Scenario	Land Use	Intensity	Trip Generation (vehicle trips/day)	Source
Existing Use	Single Family Detached	1 Dwelling Units	10	Tax Record
Entitled Use	Single Family (R-3, 1.98 acres)	5 Dwellings Units	50	General Guidance from Planning
Proposed Use	General Office Retail (B-2, 1.98 acres)	9,665 SF 10,000 SF	805	General Guidance from Planning

Petitioner to provide responses to the staff comments below as well as specify other changes to the site plan.

Outstanding Issues

Strikethrough = Resolved

1. Traffic Study:

A Traffic Impact Study (TIS) is not necessary for the complete review of this petition due to the site generating less than 2,500 daily trips and/or not triggering any other City TIS requirements.

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. 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, per the City of Charlotte's Driveway Regulations.
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 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.
3. 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.
4. All proposed commercial driveway connections to a future public street will require a driveway permit 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. To obtain a street and pedestrian lighting recommendation, the petitioner should visit the following link: <https://charlottenc.gov/Transportation/Programs/Pages/StreetLighting.aspx>