

Rezoning Transportation Analysis

Petition Number: 2023-147

General Location Identifier: 02506111

-From: Jake Carpenter, PE

Jacob.carpenter@charlottenc.gov

980-221-5675

Reviewer:

Isaiah Washington

Isaiah.Washington@charlottenc.gov

980-275-2494

Revision Log:

Date	Description
12-27-23	First Review (IW)
01-24-24	Second Review (IW)
02-19-24	Third Review (DR)

General Review Information

The petition is located adjacent to Twin Lakes Parkway, a State-maintained local street, south of Alexandriana Road, a State-maintained minor arterial. The petition is in a north corridor outside of Route 4, within the I-485 Interchange Study.

Active Projects Near the Site:

- There are no known active city projects in the vicinity.

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 Twin Lakes Parkway, a State-maintained local street, south of Alexandriana Road, a State-maintained minor arterial. A Traffic Impact Study (TIS) is not required for the site due to the development generating site trips under ordinance thresholds and not meeting additional TIS triggers. All outstanding CDOT comments have been addressed.

Rezoning Transportation Analysis

Petition Number: 2023-147

General Location Identifier: 02506111

Trip Generation

Scenario	Land Use	Intensity	Trip Generation			Source
			Daily Trips	AM Peak Hour Trips	PM Peak Hour Trips	
Existing Use	Warehouse	103,253 SF	201	36	39	<i>Tax Record</i>
Entitlement with Current Zoning	Warehousing (ML-1, 17.31 acres)	173,100 SF	312	44	47	<i>General Guidance from Planning & RZP-2023-099</i>
Proposed Zoning*	Warehouse Office Automobile Care Center (ML-1, 17.31 acres)	14,000 SF 12,000 SF 69,150 SF	1,356	208	235	<i>Based on Trip Generation Memorandum</i>

*Site taking credit for existing uses.

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

Outstanding Issues

Strikethrough = Resolved

1. ~~Curblin~~:

a. ~~Twin Lakes Parkway~~: Location of future curb and gutter is to be 17 feet from centerline.

CLDSM standard U-06 based on Table 33-2 in UDO

Label and dimension the curb and gutter from the centerline for each road on the site plan.

2. ~~Rescinded~~:

~~Comprehensive Transportation Review (CTR):~~

~~Based on information provided by the petitioner, a Traffic Impact Study is required for the complete review of this petition due to the site generating site trips over ordinance thresholds found in the Charlotte Streets Manual Table 3.1 and/or triggering other City TIS requirements.~~

~~Staff will receive the petition and begin review, but the public hearing will not be scheduled until the TIS is approved to allow for the minimum time necessary for CDOT to review the study and reach agreement with the petitioner on the required transportation commitments. Any agreed upon commitments shall be included on the last site plan submitted no fewer than 4 weeks prior to the public hearing. Therefore, additional traffic mitigation comments may be forthcoming once the TIS is approved by CDOT (and NCDOT).~~

~~The petition's zoning falls within the low intensity development which based on the 1,356 daily trips will trigger Tier 1 (3 mitigation points) for multimodal assessment. The petitioner shall review and assess the publicly accessible pedestrian network within ¼ mile walking distance of the site to identify multimodal infrastructure to meet the Tier 1 (3 mitigation points) for multimodal assessment.~~

3. New Comment 1.25.24: Add density and land use information to the site plan.

Rezoning Transportation Analysis

Petition Number: 2023-147

General Location Identifier: 02506111

- ~~4. Revise site plan and conditional note(s) to commit to dedicate 31.5 feet of right-of-way from the Twin Lakes Parkway road centerline. The site plan shall label and dimension the right-of-way from the road centerline.~~
- ~~5. Add a conditional note specifying "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. Add a conditional note specifying "the Petitioner shall dedicate and convey in fee simple all rights-of-way to the City before the site's first building certificate of occupancy is issued. CDOT requests rights-of-way set at 2' behind back of sidewalk where feasible."~~
- ~~7. Add a conditional note specifying "All transportation improvements will be approved and constructed before the site's first building certificate of occupancy is issued."~~

~~The petitioner may phase transportation improvements if said improvements and phasing are approved by CDOT and explicitly described in site plan notes.~~

~~Update Conditional Note 3. iik to reflect information above.~~

~~iik. Transportation improvements, if required by the TIA, shall be completed prior to Certificate of Occupancy for building improvements. If completion of said improvements is not possible prior to occupancy, all required improvements will be required to be bonded prior to Certificate of Occupancy.~~

- ~~8. Add conditional note specifying "All public roadway improvements will be subject to the standards and criteria of CDOT and NCDOT, as applicable, to the roadway improvements within their respective road system authority. It is understood that such improvements may be undertaken by the Petitioner on its own or in conjunction with other development or roadway projects taking place within the broad north Western Mecklenburg area, by way of a private/public partnership effort or other public sector project support."~~
- ~~9. Revise site plan and conditional note(s) to construct 8-foot planting strips and 6-foot sidewalks on Twin Lakes Parkway. The site plan shall label and dimension both items from the back of curb and gutter or edge of pavement. Add conditional note The entire facility must be outside of the right of way and within a public access easement. Add conditional note committing to construction and maintenance of the 6-foot sidewalks on Twin Lakes Parkway.~~

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 Unified Development Ordinance.
2. Adequate sight triangles must be reserved at the existing/proposed street entrance(s). Two 50' x 50' 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

Rezoning Transportation Analysis

Petition Number: 2023-147

General Location Identifier: 02506111

with driveway(s) on the opposite side of the street and to comply with City of Charlotte Unified Development Ordinance regulations.

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>