

Rezoning Transportation Analysis

Petition Number: 2023-147

General Location Identifier: 02506111

-From: Jake Carpenter, PE

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Reviewer:

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Revision Log:

Date	Description
12-27-23	First Review (IW)

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. Density is needed to determine if Comprehensive Transportation Review (CTR) requirements are triggered. Site plan and/or conditional note revisions are needed to commit to Labeling and Dimensioning the future Curb and Gutter, dedicating right of way, installing streetscape, and adding/updating conditional note(s). Further details are listed below.

Trip Generation

Scenario	Land Use	Intensity	Trip Generation (vehicle trips/day)	Source
Existing Use	Warehouse	103,253 SF	205	<i>Tax Record</i>
Entitlement with Current Zoning	Warehousing (ML-1, 17.31 acres)	173,100 SF	315	<i>General Guidance from Planning & RZP-2023-099</i>
Proposed Zoning	Automotive Repair or Sale (ML-1, 17.31 acres)	Need SF		<i>Site Plan: 11-2-23</i>

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

Outstanding Issues

Strikethrough = Resolved

1. Curblines:

- 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. Comprehensive Transportation Review (CTR):

Density needed to determine potential CTR requirements. Additional comments or requirements may arise once density is provided.

3. 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.
4. 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."
5. 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."
6. 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.~~

7. 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."
8. 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.

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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 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>