

Rezoning Transportation Analysis

Petition Number: #2022-044

General Location Identifier: 08301111

From: Jake Carpenter, PE

Jacob.Carpenter@charlottenc.gov

980-221-5675

Reviewer: Alfred Oyoyo

Alfred.Oyoyo@charlottenc.gov

704-336-3939

Revision Log:

Date	Description
08-19-2022	First Review (AO)
09-22-2022	Second Review (AO)
10-26-2022	Third Review (DR)

General Review Information

The petition is located on N Tryon St, a State-maintained major thoroughfare at E 24th St, a City-maintained local street. The petition is located in the Northeast Corridor inside of Route 4, and within the limits of the Center City 2020 Vision Plan

Active Projects Near the Site:

- Matheson Bridge Streetscape
 - Incorporate pedestrian, bicycle, and aesthetic improvements from N Tryon St to Jordan Pl

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 N Tryon St, a State-maintained major thoroughfare at E 24th St, a City-maintained local street. A Traffic Impact Study (TIS) is not needed for this site. The petitioner has committed to dedicating 50-feet of right-of-way from the road centerline of N Tryon St, constructing an 8-foot planting strip, and 8-foot sidewalk on N Tryon St and maintaining the existing bike lane along N Tryon St meet the City of Charlotte BIKES Policy. Petitioner committed to making one of the accesses exit only. Petitioner committed to constructing a right turn lane with 100' of storage and appropriate taper on North Tryon Street at the full access driveway. CDOT has no outstanding issues.

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Trip Generation

Scenario	Land Use	Intensity	Trip Generation (vehicle trips/day)	Source
Existing Use	Light Manufacturing	30,661 SF	170	<i>Tax Record</i>
Entitlement with Current Zoning	Warehousing (I-2, 3.673 acres)	159,996 SF	295	<i>General Guidance from Planning</i>
Proposed Zoning	Multifamily (Mid-Rise) (MUDD, 3.673 acres)	367 Dwelling Units	1,760	<i>Site Plan: 03-08-22</i>

Provide comments to the specified comments below.

Outstanding Issues

Strikethrough = Resolved

1. ~~**Curblines:** The proposed zoning district has a setback measured from back of the existing or proposed future curblines.~~

~~a. **N Tryon St:** Future location of curb and gutter is in its existing location.~~

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

2. ~~**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. If during the permitting process the site generates more than 2,500 daily trips, then a traffic study will be required.~~

3. ~~Revise site plan and conditional note(s) to commit to dedicate 50 feet of right of way from the road centerline as depicted on the site plan. The site plan shall label and dimension the right of way from the road centerline.~~

4. ~~Revise site plan and conditional note(s) to commit to construct an 8 foot planting strip, and 8 foot sidewalk on N Tryon St per Chapter 19 / Chapter 20. The site plan shall label and dimension both items from the back of curb and gutter.~~

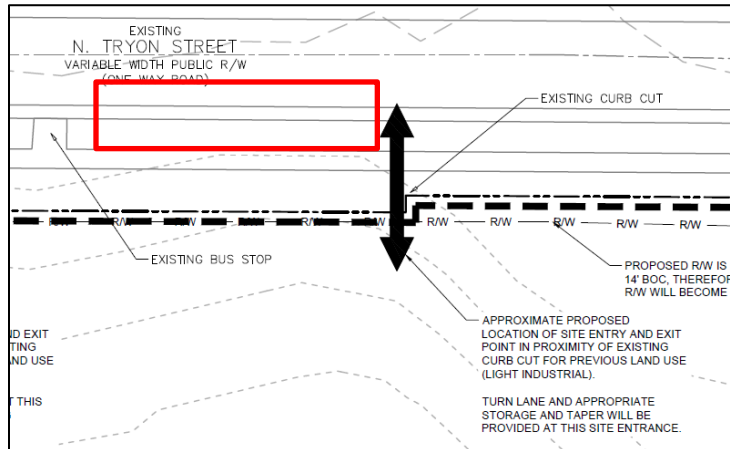
5. ~~Add conditional note(s) to commit to maintaining existing 5 foot bike lane along N Tryon St to meet the City of Charlotte BIKE Policy. Site plan shows a 4 foot bike lane, this should be field verified and if it is 4 feet, a minimum 5 foot bike lane is to be provided.~~

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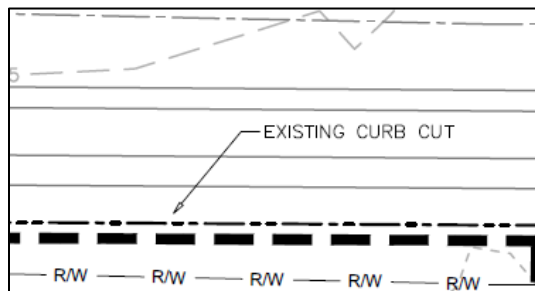
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6. ~~Resolved: Outstanding Comment from 8-19-22:~~ Revise site plan and conditional note(s) to commit to constructing a right turn lane with 100' of storage and appropriate taper on N Tryon St at proposed access points per NCDOT requirements.
~~Update to Comment (New Site Plan, 9-12-22): If a turn lane can't be provided at the site access it must be removed from the Rezoning Plan per NCDOT. It appears that further coordination with NCDOT is required. Include a layout of the proposed right turn lane on site plan. Second drive limited to exit only per revised plan.~~



7. ~~A site plan note(s) specifying dedication and fee simple conveyance of all rights-of-way to the City before the site's first building certificate of occupancy is issued as needed. CDOT requests rights-of-way set at 2' behind back of sidewalk where feasible.~~
8. ~~A site plan note specifying that all transportation improvements will be approved and constructed before the site's first building certificate of occupancy is issued as needed. The petitioner may phase transportation improvements if said improvements and phasing are explicitly described in site plan notes.~~
9. ~~Add conditional note "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-eastern Mecklenburg area, by way of a private/public partnership effort or other public sector project support."~~
10. **Resolved: New Comment (New Site Plan, 9-12-22):** Revise site plan removing existing driveway cuts only showing proposed access points for clarity. Note that existing curb cuts are to be removed



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11. ~~Resolved: New Comment (New Site Plan, 9-12-22):~~ Revise Transportation note IV.a. to add NCDOT in addition to CDOT.

IV. TRANSPORTATION

- a. VEHICULAR ACCESS WILL BE AS GENERALLY DEPICTED ON THE REZONING PLAN. THE PLACEMENTS AND CONFIGURATIONS OF THE VEHICULAR ACCESS POINTS SHOWN ON THE REZONING PLAN ARE SUBJECT TO ANY MINOR MODIFICATIONS REQUIRED TO ACCOMMODATE FINAL SITE AND CONSTRUCTION PLANS AND DESIGNS AND TO ANY ADJUSTMENTS REQUIRED BY CDOT FOR APPROVAL. ←

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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. The setback for this district is measured from the back of the existing or future curbline as determined by CDOT and Planning during the permitting process.
2. 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.
3. 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.
4. 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.
5. All proposed commercial driveway connections to a future public street will require a driveway permit submitted to CDOT for review and approval.
6. Any fence or wall constructed along or adjacent to any sidewalk or street right-of-way requires a certificate issued by CDOT.
7. 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.
8. 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.
9. 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>