

Rezoning Transportation Analysis

Petition Number: 2025-025

General Location Identifier: 21902107

From: Jake Carpenter, PE

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Reviewer:

Chris Manno

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Revision Log:

Date	Description
4-23-25	First Review (CM)
5-22-25	Second Review (CM)
6-25-25	Third Review (CM)
7-24-25	Fourth Review (CM)

General Review Information

The petition is located at the end of Loughlin Lane, a City-maintained local street, west of Moss Road, a City-maintained major collector. The petition is located in a lake wylie wedge outside of Route 4, within the Steele Creek Area Plan.

Active Projects Near the Site:

- N/A

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 at the end of Loughlin Lane, a City-maintained local street, west of Moss Road, a City-maintained major collector. 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.

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Trip Generation

Scenario	Land Use	Intensity	Trip Generation			Source
			Daily Trips	AM Peak Hour Trips	PM Peak Hour Trips	
Existing Use	Single Family	1 Dwelling Unit	15	1	1	<i>Tax Record</i>
Entitlement with Current Zoning	Single Family (N1-A, 4.75 acres)	13 Dwelling Units	154	12	15	<i>General Guidance from Planning</i>
Proposed Zoning	Single Family (N1-C, 4.75 acres)	18 Dwelling Units	208	16	20	<i>Site Plan: 03-06-25</i>
Proposed Zoning	Single Family (N1-C, 4.75 acres)	21 Dwelling Units	240	18	23	<i>Site Plan: 03-06-25</i>

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

Outstanding Issues

Strikethrough = Resolved

1. ~~Curbline:~~

a. ~~Loughlin Lane:~~ Location of future back of curb and gutter is 13'.

~~Local Residential Medium Street Typical Section (6' Sidewalk) CLDSM: U-02A~~

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

2. ~~Comprehensive Transportation Review (CTR):~~

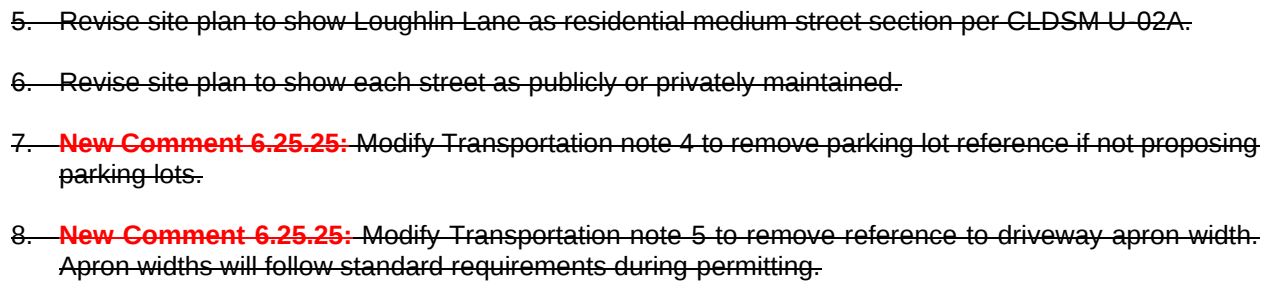
~~A Traffic Impact Study (TIS) is not required for the complete review of this petition due to the site generating site trips under ordinance thresholds found in the Charlotte Streets manual Table 3.1 and/or not triggering any other City TIS requirements.~~

3. ~~Revise site plan and conditional note(s) to commit to dedicate 27' right-of-way from the road centerline. The site plan shall label and dimension the right of way from the road centerline.~~

4. ~~Revise site plan to show stub street instead of the oversized residential cul-de-sac with raised planter island detail per CLDSM 11.21.~~

Outstanding Comment 6.25.25: ~~Remove oversized residential cul-de-sac with raised planter island from design. Install standard stub end streets with adequate turnaround for future connections.~~

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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>