

Rezoning Transportation Analysis

Petition Number: 2017-023

General Location Identifier: 201-09-105, 201-09-107, 201-09-115, 201-09-115

From: **Kelsie Anderson, PE**
Kelsie.Anderson@charlottenc.gov
704-432-5492

Staff Reviewer: Carlos Alzate
calzate@charlottenc.gov
704-432-0672

CDOT's review of this rezoning petition is intended to ensure consistency with the Transportation Action Plan (TAP) which seeks 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 along a major thoroughfare and bounded by signalized intersections connecting to other thoroughfares. The current site plan reflects street alignments that comply with the recent developer's response area concept and offsite street improvements to mitigate for development traffic impacts. CDOT continues to request cross section for Shopton Road to support the envisioned land uses and bike facilities that correspond to the recommendations of the recently adopted CharlotteBIKES policy.

General Description

Site is located on Steele Creek Rd/HWY 160 (major thoroughfare), between Dixie River Rd (major thoroughfare) and Shopton Road West (minor thoroughfare).

Site is located in a wedge outside Route 4.

Steele Creek Area Plan

Petitioner has not submitted the traffic impact study. Study will be reviewed by NCDOT and CDOT.

Trip Generation

Scenario	Land Use	Intensity	Trip Generation (vehicle trips/day)	Source
Existing Use	Single Family/Vacant	3 dwellings	30	<i>Tax Record</i>
Entitlement with Current Zoning	Single Family (24.6 acres of R-3)	73 dwellings	790	<i>General Guidance from Planning</i>
	(16.2 acres of R-3)	48 dwellings	540	
Proposed Zoning	Hotel	405 rooms	9,184	<i>Traffic Study</i>
	Office	35,000 sf		
	Retail	14,000 sf	7,500	<i>Traffic Study Update</i>
	Grocery	36,000 sf		
	Apartments	250 dwellings		
	Retail	14,000 sf		
	Grocery	36,000 sf		

Rezoning Transportation Analysis

Petition Number: 2017-023

General Location Identifier: 201-09-105, 201-09-107, 201-09-115, 201-09-115

	Apartments	210 dwellings	
--	------------	---------------	--

Curblines

The proposed zoning district has a setback measured from an existing or proposed future curblines.

- Steel Creek - The location of the future curblines will be determined during detailed design with transportation mitigations identified in TIS.
- Proposed Streets A and B - The future curblines will follow sections shown on RZ-1.
- Shopton Road – See Comment 2 below

Outstanding Issues

Strikeout = Not an outstanding issue

- ~~1. The petitioner should revise the site plan to show 8 foot planting strip and 6 foot sidewalk on Steele Creek Rd along the site frontage and connecting to existing sidewalk on Steele Creek Rd at Dixie River Rd. Buffered bike lanes (3 foot buffer, 5 foot bike lane) is also part of the envisioned cross section.~~
2. The petitioner should revise site plan to show proposed Shopton Rd West be built as a 3 lane road with buffered bike lanes (3 foot buffer, 5 foot bike lane), 8 foot planting strip, and 6 foot sidewalk.
- ~~3. The petitioner should revise site plan to show proposed Dixie River Rd be built as a 3 lane road with 5 foot bike lanes, 8 foot planting strip and 6 foot sidewalk.~~
- ~~4. The petitioner has submitted an updated traffic study to reflect the reduction in development for this petition. CDOT and NCDOT are currently reviewing the traffic study and will have comments once the combined review is complete. CDOT has reviewed and sent comments to petitioner and the recommended mitigations were added to the site plan. The petitioner should be advised that NCDOT review of the traffic study is not complete and additional/different mitigation measures may be required by the State once their review is completed.~~
- ~~5. The petitioner should revise the site plan to add a note 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. CDOT requests right of way set at 2' behind back of sidewalk.~~
6. The petitioner should revise the site plan to add a note specifying all transportation improvements will be approved and constructed before the site's first building certificate of occupancy is issued or phased per the site's development plan. **The petitioner should revise note Vd to remove "or phased per the site's development plan" or explicitly describe phasing and associated improvements.**
7. This site is part of a Developer Response Study that is currently in its final stages. CDOT recommends that the petitioner coordinate this plan with the final recommendations of the study as this may affect the site and generate further comments.
8. The petitioner should revise the site plan to remove the following portion of note "e" under Transportation:

~~GOVERNMENTAL BODY FOR ANY SUCH LAND AND THE EXPENSES OF SUCH PROCEEDINGS. FURTHERMORE, IN THE EVENT PUBLIC ROADWAY IMPROVEMENTS REFERENCED IN SUBSECTION A. ABOVE ARE DELAYED BECAUSE OF DELAYS IN THE ACQUISITION OF ADDITIONAL RIGHT-OF-WAY AS CONTEMPLATED HEREIN ABOVE, THEN THE PETITIONER WILL CONTACT THE PLANNING DEPARTMENT AND CDOT REGARDING AN APPROPRIATE INFRASTRUCTURE PHASING PLAN THAT APPROPRIATELY MATCHES THE SCALE OF THE DEVELOPMENT PROPOSED TO THE PUBLIC INFRASTRUCTURE MITIGATIONS. IF AFTER CONTACTING THE PLANNING DEPARTMENT AND CDOT TO DETERMINE THE APPROPRIATE INFRASTRUCTURE PHASING PLAN, DELAYS IN THE ACQUISITION OF ADDITIONAL RIGHT-OF-WAY EXTENDS BEYOND THE TIME THAT THE PETITIONER SEEKS TO OBTAIN A CERTIFICATE OF OCCUPANCY FOR BUILDING(S) ON THE SITE IN CONNECTION WITH RELATED DEVELOPMENT PHASING DESCRIBED ABOVE, THEN CDOT WILL INSTRUCT APPLICABLE AUTHORITIES TO ALLOW THE ISSUANCE OF CERTIFICATES OF OCCUPANCY FOR THE APPLICABLE BUILDINGS, PROVIDED, HOWEVER, PETITIONER CONTINUES TO EXERCISE GOOD FAITH EFFORTS TO COMPLETE THE APPLICABLE ROADWAY IMPROVEMENTS; IN SUCH EVENT THE PETITIONER MAY BE ASKED TO POST A LETTER OF CREDIT OR A BOND FOR ANY IMPROVEMENTS NOT IN PLACE AT THE TIME SUCH A CERTIFICATE OF OCCUPANCY IS ISSUED TO SECURE COMPLETION OF THE APPLICABLE IMPROVEMENTS.~~

Rezoning Transportation Analysis

Petition Number: 2017-023

General Location Identifier: 201-09-105, 201-09-107, 201-09-115, 201-09-115

9. The petitioner should revise the site plan and conditional notes for proposed Private Street A
 - a. Convert to a public street connection between Dixie River Rd and Shopton Road West, public thoroughfares.
 - b. Extend right of way to the southern property line (south of Shopton) to allow the street to be extended in the future as the property to the south develops. **Show the full road cross section and right of way extending to the southern property line.**

10. The petitioner should revise the site plan and conditional notes for Private Street B
 - a. Convert to a public street connection or provide a public access easement and commit to cross connection to adjacent parcel when developed.
 - b. Extend street to the eastern property line to allow the street to be extended in the future as the property to the east develops. **Show the full road cross section and right of way extending to the eastern property line.**

- ~~11. The petitioner should revise the site plan and remove the pedestrian island/sweeping right condition shown at the intersection of Shopton Road West and Private Street A. CDOT does not support this type of intersection geometry. The intersection design will be reviewed during the permitting process and should not be a part of the rezoning.~~

Advisory Information

The following are requirements of the developer that must be satisfied prior to driveway permit approval. We recommend that the petitioner reflect these on the rezoning plan as-appropriate.

1. According to the City of Charlotte's Driveway Regulations, 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.
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 North Carolina Department of Transportation on NCDOT maintained streets) are required for the entrance(s) to meet requirements. All proposed trees, berms, walls, fences, and/or identification signs must not interfere with sight distance at the entrance(s). Such items should 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 the North Carolina Department of Transportation 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 to be 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. 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 the construction/installation of the non-standard item(s). Contact CDOT for additional information concerning cost, submittal, and liability insurance coverage requirements.

Rezoning Transportation Analysis

Petition Number: 2017-023

General Location Identifier: 201-09-105, 201-09-107, 201-09-115, 201-09-115

Revision Log

Date	Description	By
12-15-16	First Review	CAA
04-13-17	Second Review	CAA
06-22-17	Third Review	CAA
8-29-17	Fourth Review	CAA
09-20-17	Fifth Review	CAA