





East Cabarrus Green Street

Draft Briefing Book
August 26, 2014



Introduction

From project web page:

In 2009, Cabarrus Street was identified in the 2030 Comprehensive as a priority Green Street (see map DT-4, on page 340 in the plan). In 2013, a prioritization of future streetscape projects placed East Cabarrus near the top of the list. Work is now underway to implement this part of the Comprehensive Plan and make East Cabarrus downtown Raleigh's first green street. The project area is from Wilmington Street to Swain Street along East Cabarrus in downtown Raleigh and the East Raleigh-South Park Historic District.

The East Cabarrus Green Street will focus on improvements to make the street a safer and more inviting pedestrian environment while installing green infrastructure to improve water quality and reduce energy consumption. Improved and additional sidewalks, stormwater infiltration in landscaped curb extensions, and improved LED street lighting are all anticipated to be major components of the project. The plan is also expected to serve the function of an adopted streetscape plan in the Unified Development Ordinance (UDO).

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- Planimetric
- Aerial Photo
- Topography and Stormwater Infrastructure
- Street Lighting
- Street (Typology) Plan
- Transit Network and Stops
- Pedestrian Facilities
- Bicvcle Plan
- Historic Resources
- Public Property
- Existing Land Use
- Future Land Use
- Existing Zoning
- Proposed Zoning (UDO Remapping)



Agenda



- Introduction
 - Participants
 - Project Background
- Small group discussion
 - Strengths, Opportunities, Weakness, Threats
 - Desires
 - Related plans/initiatives
- Full group discussion
 - Cross section, elements, intersection treatments, midblock treatments
 - Priorities
 - Wider West Section
 - Narrower East Section
- Discussion of next steps

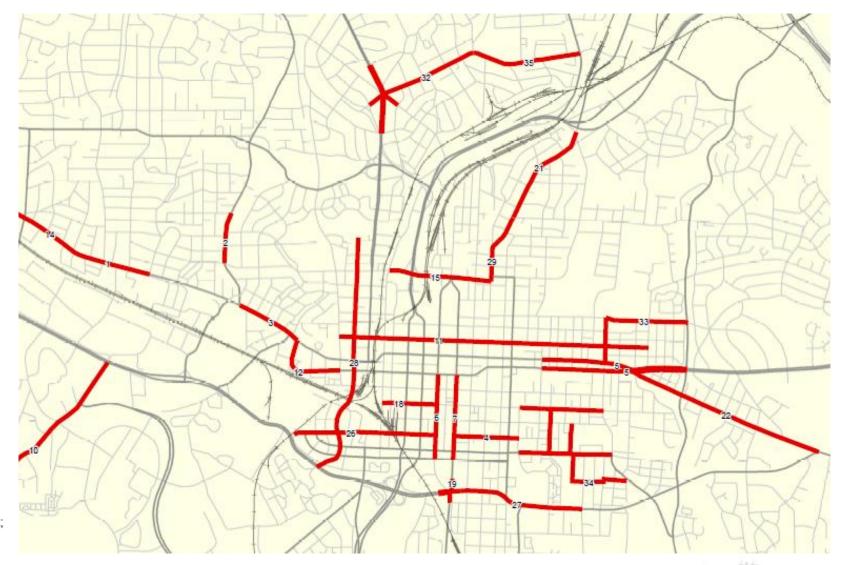


Streetscape Priority

CITY OF RALEIGH OFFICE OF TRANSPORTATION PLANNING COMPREHENSIVE PEDESTRIAN PLAN STREETSCAPES PROJECT MAP January 30, 2013

PRIORITIZED STREETSCAPE PROJECTS

- 1 Hillsborough Street -Phase II (Rosemary): From Gardner Street to Rosemary Street
- 2 Oberlin Road: From Bedford Road to Clark Avenue
- 3 Hillsborough Street Phase IV (Cameron): From Morgan Street to Oberlin Road
- 4 E. Cabarrus Street: Wimington Street to Chavis Way
- 5 New Bern/Edenton Corridor: From Swain Street to Raleigh Blvd
- 6 Salisbury Street: Morgan Street to South Street
- 7 Wilmington Street: Morgan Street to South Street
- 8 Blue Ridge Rd District Study Segment 3: From Wade Avenue to Hillsborough Street
- 9 Blue Ridge Rd District Study Segment 4: From Hillsborough Street to Western Blvd
- 10 Avent Ferry Road: From Western Blvd to Gorman Street
- 12 West Morgan Street: From St. Mary's Street to Hillsborough Street
- 13 Hillsborough Street Phase VI (Westover): From Blue Ridge Road to Chapel Hill Road
- 14 Hillsborough Street Phase III (Gorman): From Rosemary Street to Gorman Street
- 15 Peace Street East : From West Street to Person Street
- 16 New Bern Avenue East Phase II: From Trawick to New Hope Road
- 17 New Bern Avenue East Phase I: From Sunnybrook Road to Trawick Road
- 18 W. Martin Street: Salisbury Street to West Street
- 19 Wilmington Street @ MLK, Jr Blvd.: Intersection of Wilmington Street with MLK Jr. Boulevard
- 20 Hillsborough Street Phase V (Meredith): From Gorman Street to I-440
- 21 Wake Forest Road Mordecai : Delway Street to Capital Blvd
- 22 Poole Road Streetscape: New Bern Ave to MLK Blvd
- 23 Trinity Road: Between Blue Ridge Road and Edwards Mill Road
- 24 Blue Ridge Rd District Study Segment 1: From Reedy Creek Road to Wade Avenue
- 25 Blue Ridge Rd District Study Segment 2: From Edwards Mill Road to Ready Creek Road
- 26 W. Cabarrus Street: Dorothea Drive to Salisbury Street
- 27 Martin L. King, Jr. Blvd: From Wilmington Street to State Street
- 28 Boylan Avenue: From Western Blvd to Willis Forest Street (Fred Fletcher Park)
- 29 Person Street: Peace Street to Delway Street
- 30 Wake Forest Road North: I-440 to St. Albans Drive
- 31 Falls of Neuse Road: From Carlos Drive to Hunting Ridge Road
- 32 Five Points Streetscape: Glenwood Ave Harvey St to Alexander Rd; Fairview Rd Glenwood Ave to Scales St;
- Glenn Ave Glenwood Ave to Vance St; Whitaker Mill Rd Glenwood Ave to Pine Dr.
- 33 Tarboro/Oakwood Area: Oakwood Ave from Tarboro Rd to Raleigh Blvd; Tarboro Road from Oakwood Ave to Edenton Street
- 34 Olde East Raleigh Streetscapes: Neighborhood area including Martin Street and Lenoir Street generally between Chavis Way and Rock Quarry Road
- 35 Whitaker Mill Road Streetscape: From Pine Drive to Wake Forest Road
- 36 Sanderford / Creech Road Intersection: Northwest corner of intersection





Policy DT 2.9

Downtown Green Streets

Preserve and expand the City's greenway system along Green Streets in downtown, using it to help connect housing, employment, commercial, and recreational areas. (3, 4, 5, 6)

From 2030 Comprehensive Plan

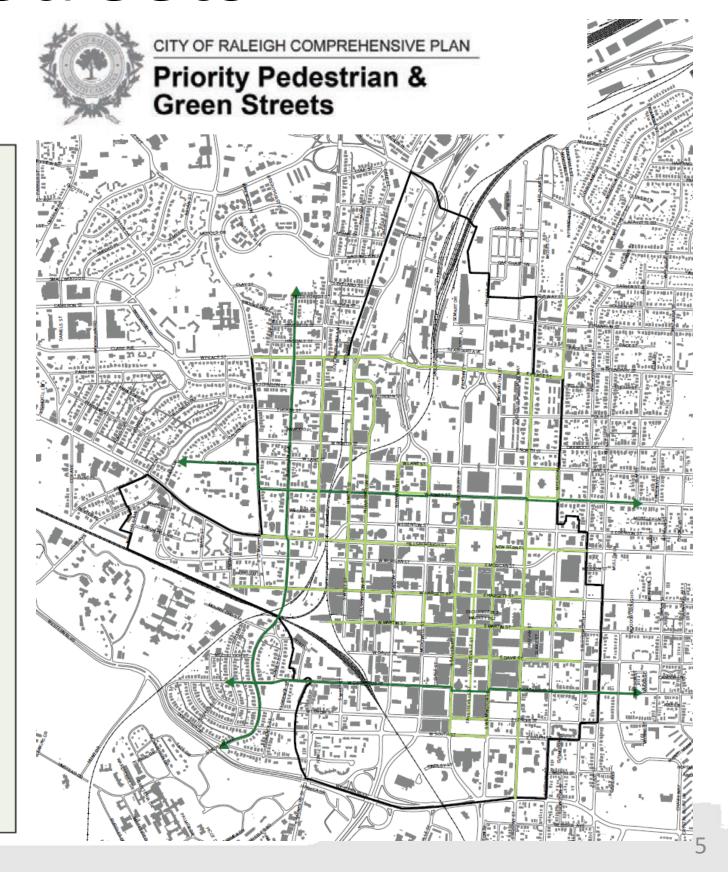
Green Streets

Action DT 2.8

Green Street Design Standards

Study, schedule, design, and fund new facilities that integrate sustainable streetscape technologies for the Green Streets identified on Map DT-4. Use initial implementation of Green Streets to refine the concept and identify additional streets where implementation is appropriate. Green Streets should include:

- Pedestrian amenities;
- Landscaped planting strips where space permits;
- Wider sidewalks, bicycle lanes, and midblock crossings;
- Recommended speed limit maximums of 25 mph;
- Signage and wayfinding embedded into the concrete that clearly denotes the street as a "green street" and provides information about greenway connections;
- Pedestrian-scaled, energy-saving "lightemitting diode" (LED) street lighting; and
- Innovative stormwater management facilities such as porous pavers, tree boxes, and rain gardens.





Some Potential Design Elements

- Sidewalks:
 - Improved/widened sidewalks
 - Some new street trees
 - Complete missing sidewalks.
- Curb extensions
 - Intersections or mid block
 - Can include stormwater treatment
- Upgraded Pedestrian LED streetlights

- Utilities: Partial burial
- Historic Resources
- Stormwater
 - Pervious paver parking lanes
 - Infiltration curb extensions
 - Off-street @ SE corner of East St.
- Convert Bloodworth intersection from signal to stop-controlled.



Stormwater Curb Extensions





Cues to care / manicured look



Streetlights

Some of the options Duke Energy Progress currently has for pedestrian streetlights.

FIXTURES

Photos are representative of fixture and pole styles. Actual products and colors may vary slightly. Please inquire about our other fixture/pole combinations.



DELUXE ACORN

This enhanced Victorian-style fixture adds curb appeal to any walkway or sidewalk and dramatically limits multiple pole styles and a mounting height of 12 ft.

Colors: Black Green







SIX-SIDED TRADITIONAL

The six-sided traditional is designed to reduce light pollution while still providing excellent lighting and aesunwanted "up light." It is available on thetics. It is typically used for sidewalk comes on multiple pole styles and a and pathway lighting and is available on multiple pole styles and a mounting height of 12 ft.

Colors: Black



DELUXE TRADITIONAL

This elegant colonial style fixture makes a dramatic statement as it lights walkways and pathways and mounting height of 12 ft.

Colors:



OPEN TRADITIONAL

This environmentally-friendly fixture provides an installation with curb appeal and is available on multiple pole styles and a mounting height of 12 ft.





Reminiscent of turn-of-the-century lights, this is the perfect choice for historic neighborhoods and revitalized downtown areas. Typically used for sidewalk and pathway lighting, it is available on multiple pole styles and a mounting height of 12 ft.

Colors: Black Green



The Traditional fixture fits any neighborhood and provides pathway lighting. It is available on multiple pole styles and a mounting height of 12 ft. top light mounts on an 8 ft. pole.

Colors: Black



POST TOP

This attractive colonial style fixture is a perfect residential light and an ideal complement to any home. The post

Colors: Black



TEARDROP

This beautiful fixture is multifunctional and adds elegance wherever it is placed. The Teardrop is used to light sidewalks, pathways, parking lots and streets and has mounting heights of 15 ft. and 25 ft. There are two options available for brackets.

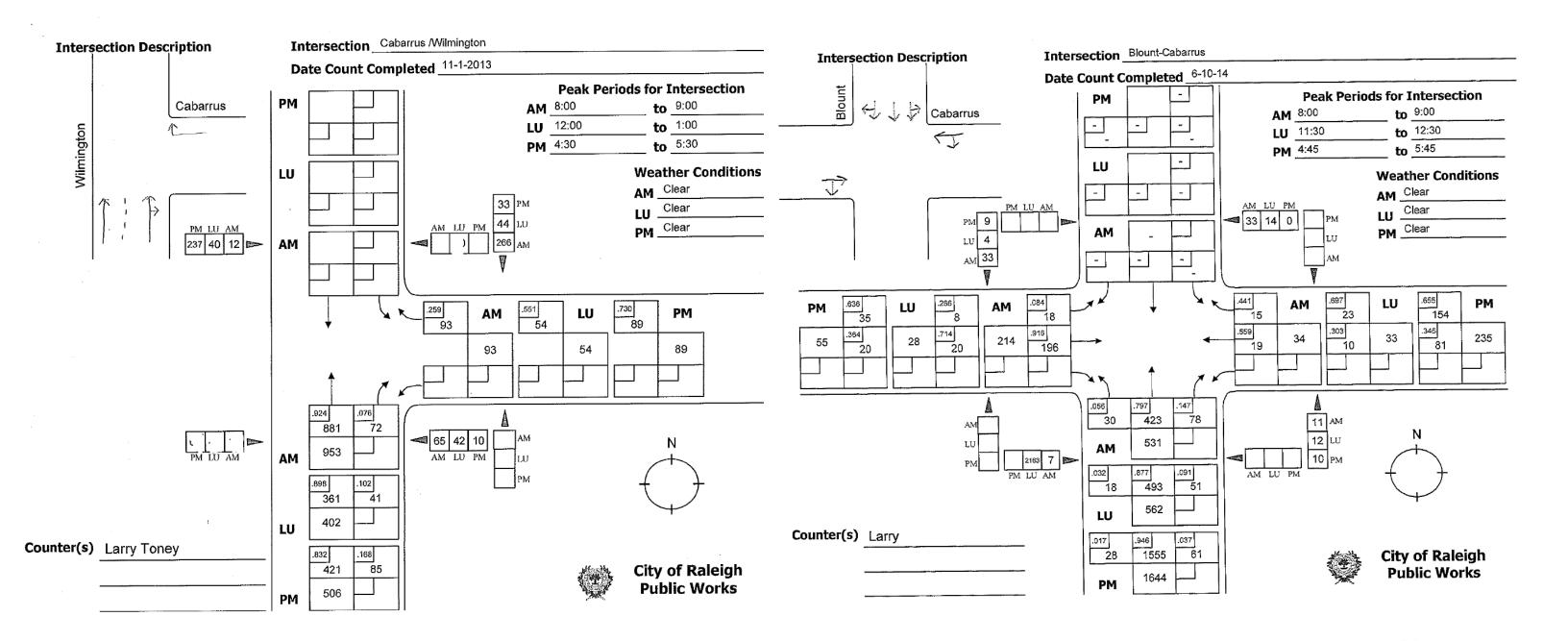
Available on pole style "C" only.





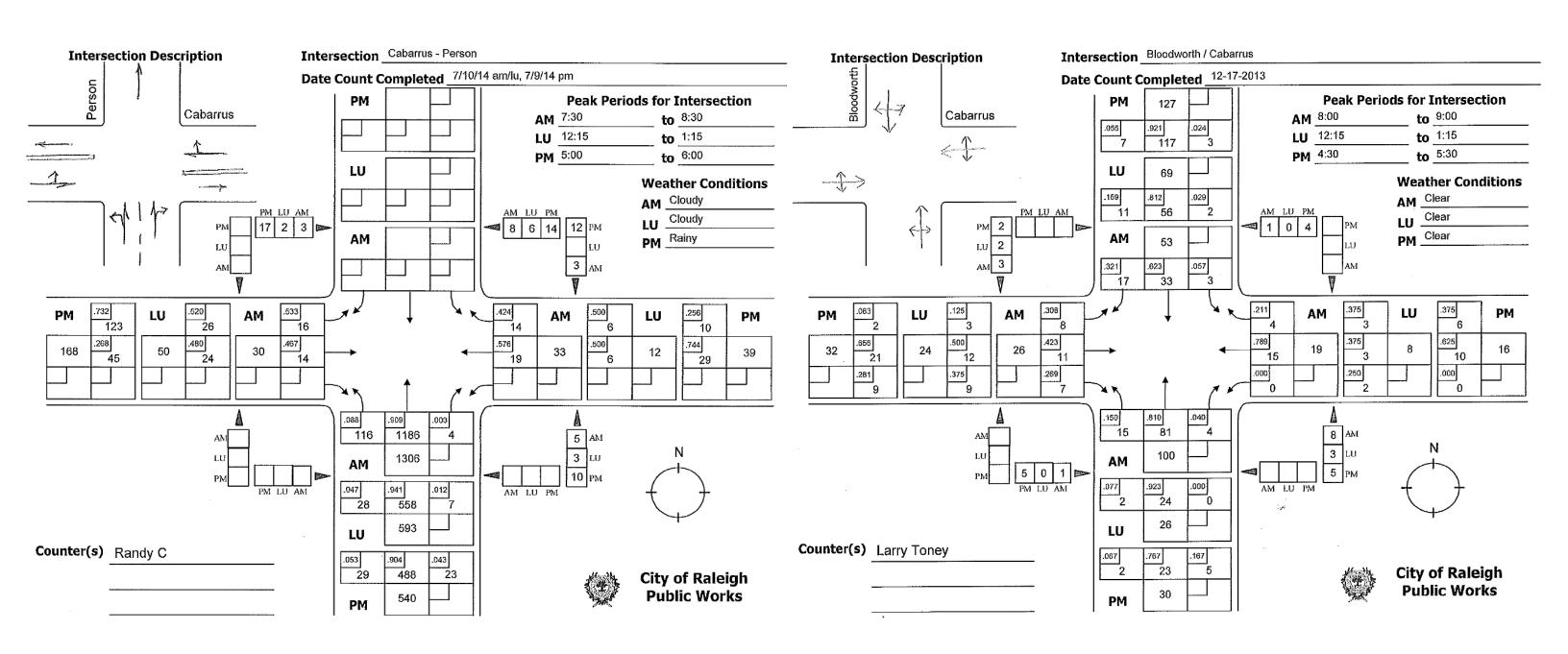


Turning Movement Counts 1/2





Turning Movement Counts 2/2





~114 E. Cabarrus





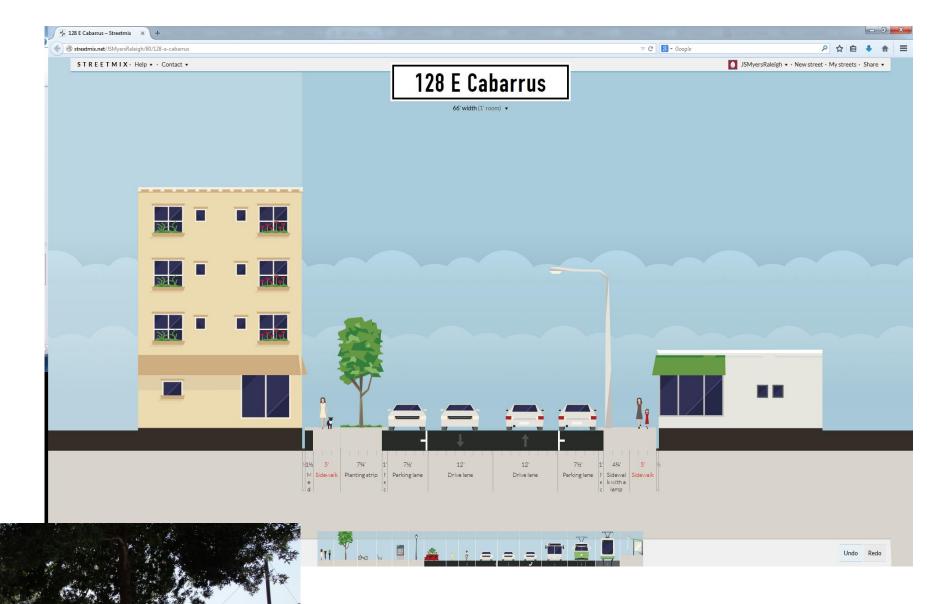


COR parking deck on the north; parking near Lincoln Theatre on the south.



~128 E. Cabarrus

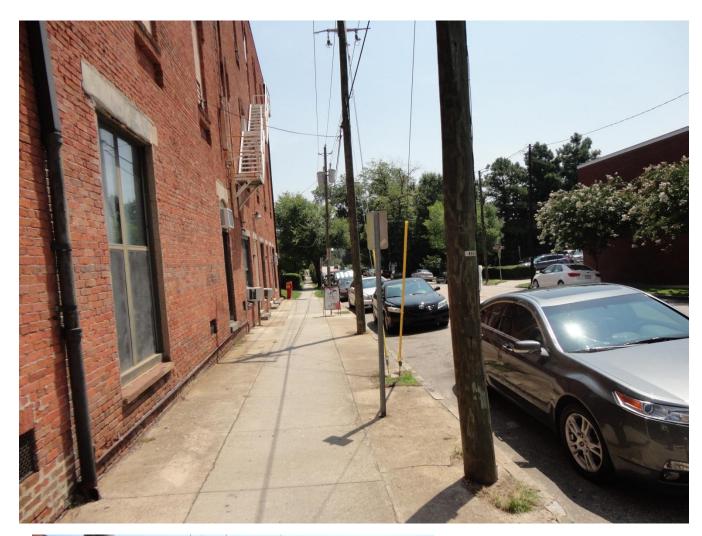


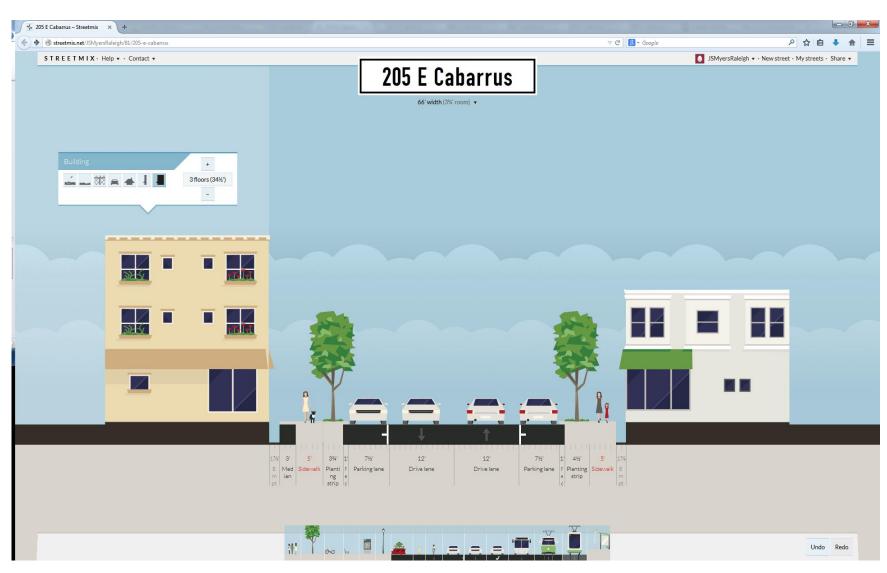


Residential-wrapped garage on the north; Lincoln Theatre on the south.



~205 E. Cabarrus





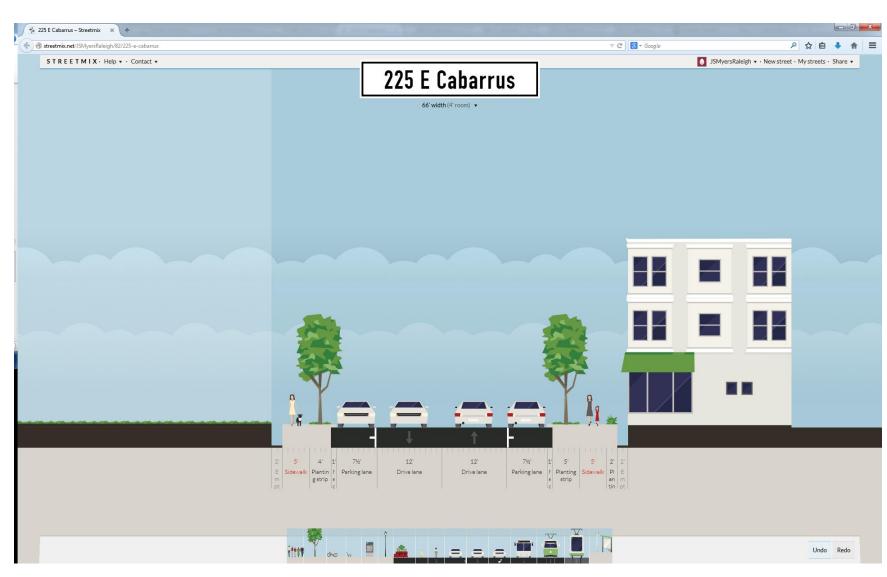


Historic Prince Hall Masonic Temple on the north; Tupper Memorial Baptist Church on the south.



~225 E. Cabarrus



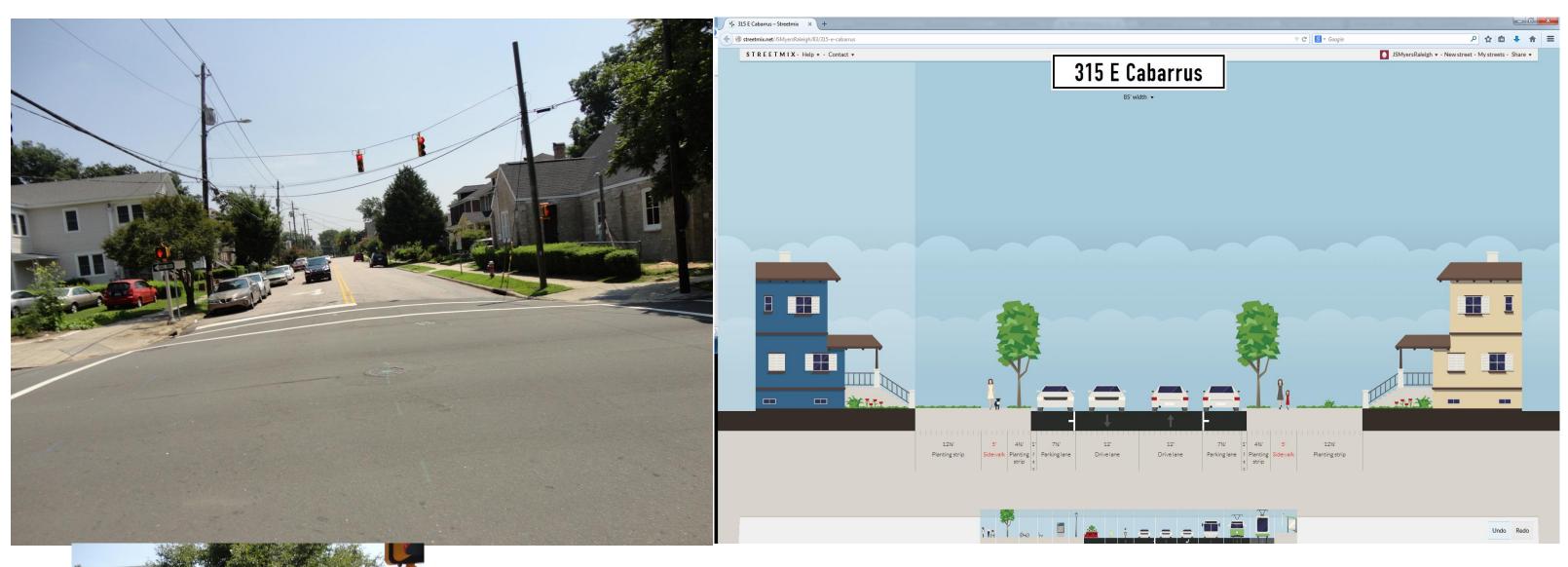




Single family residential on the north; multi-family on the south.



~315 E. Cabarrus



Generally single family residential on both sides of the street.



~400 E. Cabarrus



Carlton Place multi family residential on the north; single family residential side yard and city property on the south.

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Cabarrus @ East







Carlton Place and single family residential on the north; vacant city property on the south. Cabarrus Street narrows east of East Street.



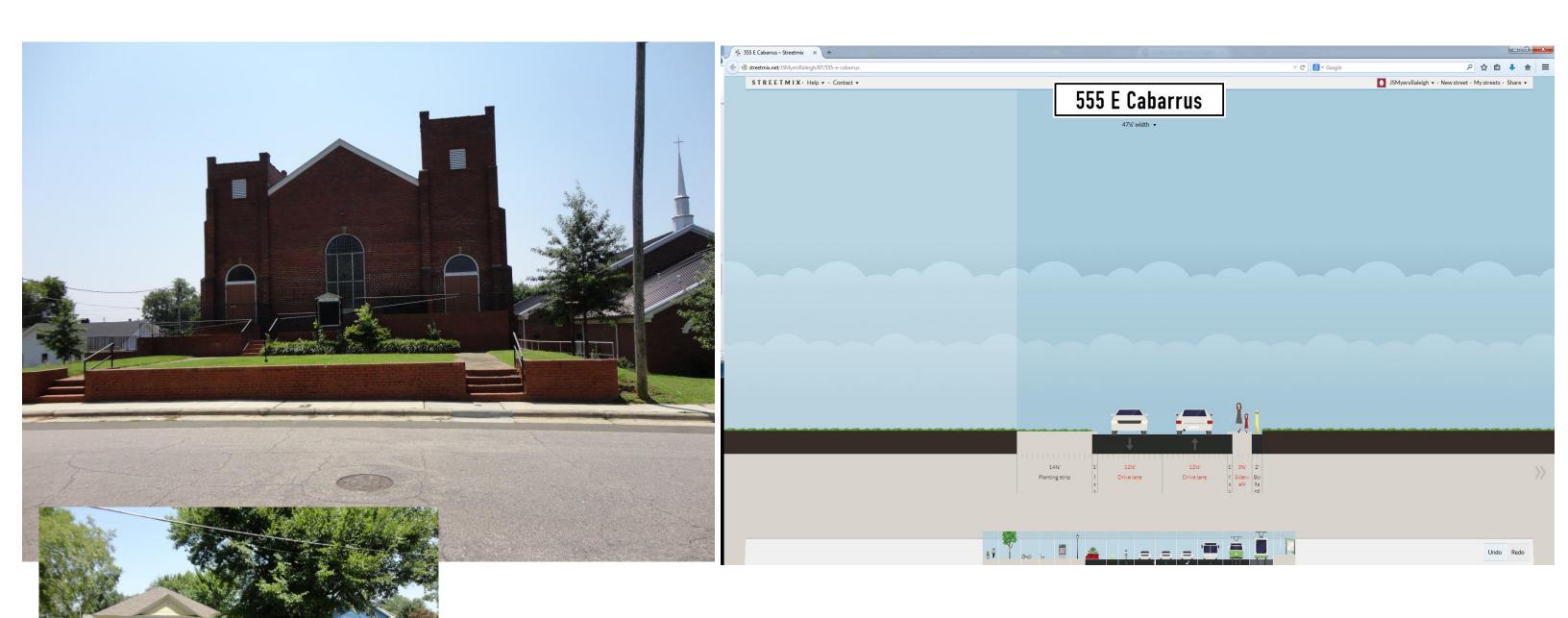
Cabarrus @ Chavis







~555 E. Cabarrus



Single family residential and public housing on the north; Rush Metropolitan African Methodist Episcopal Zion on the south.

