

Five Points Streetscape and Safety Study

CAC Meeting Presentation
January 13, 2025

 **KITTELSON**
& ASSOCIATES



Raleigh





Agenda

- Study overview & timeline
- Public meetings summary
- Recent activity
- Near-term improvements
- Next steps



Feasibility Study Recap

- City-led Study authorized by City Council
- Study outcomes:
 - Identify safety improvements
 - Develop streetscape improvements
 - Define connections to greenway



Study Timeline Up to Touchpoint #2





Public Meeting #1 – October 2022

- Initial feasibility identified nine (9) intersection concepts.
- Public feedback narrowed to three (3) after meeting #1.





Public Meeting #2 – May 2023


Three concepts presented:

A - Signal phasing and
geometric improvements

G - Single-lane roundabout w/
northbound right turn

I - Hybrid single/multi-lane
roundabout

TRANSPORTATION



Five Points Public Meeting

FIVE POINTS STREETSCAPE & SAFETY STUDY

The project team is working to refine a narrowed-down list of intersection alternatives.


Please join our second touchpoint meeting to review the three draft alternatives.

EVENT DETAILS
Thursday, May 11, 4 to 7 p.m.
Five Points Center for Active Adults
2000 Noble Road, Raleigh

Families Welcome | Free Parking

FREE Transit:
GoRaleigh #2 Route, every 30 mins. Visit goraleigh.org

raleighnc.gov
Search Term: Five Points Streetscape



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Concept A

- Signal phasing and geometric improvements





Concept G

- Single-lane roundabout








Concept I

- Hybrid multi-lane roundabout





Comparison

			
Measure	Concept A	Concept G	Concept I
Travel Time and Congestion	●	● ● ●	●
Traffic Speeds	●	● ● ●	● ●
Traffic Safety	●	● ● ●	● ●
Walking/Bicycling Conditions	●	● ● ●	● ●
Access to Businesses	●	● ●	●
On-Street Parking	●	●	●
Green Space	●	● ● ●	● ●
Construction Cost/ROW Impacts	●	● ●	● ● ●





Public Meeting #2 Feedback

- Substantially (15%) more positive responses for Concept G (single-lane roundabout) than Concept I (multi-lane roundabout)
- Concept G (single-lane roundabout) was favored by the public for:
 - Reducing speeds
 - Improving safety
 - Improving bicycling and walking
 - Improving “look and feel”



Public Meeting #2 Feedback

- No concept was perceived to improve traffic congestion
- For Concept G (single-lane roundabout), >50% responded “not a concern” and 25% responded “minor concern” to:
 - Traffic diversion
 - Parking impacts
 - Cost
 - Scale of changes



Public Meeting #2 Feedback

- Other general concerns:
 - Improving crosswalks/providing separated bicycle facilities along Glenwood Ave. and through the intersection
 - Skepticism of multi-lane roundabouts (Concept I)
 - Acknowledgement that Concept A (signal timing/geometric improvements) will not reduce speeds



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Study Timeline After Touchpoint #2



Fall 2023

Fall 2024

January 2025

March 2025

Spring 2025

Signal &
Intersection
Adjustments

Received
NCDOT Support
for Near-Term
Improvements
(Enhanced
Pavement
Markings)

CAC Meeting
Update

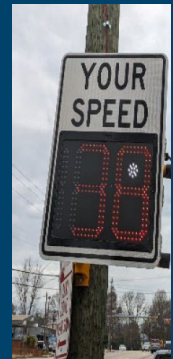
Public
Touchpoint #3
(in-person)
Details TBD

Final Report
Completed



Recap Prior Improvements

- In 2022, City's VZ team made the following changes to address prevalent crash patterns at this intersection:
 - Directional arrows on signal heads
 - Flashing chevron signs
 - Speed feedback sign
- Significant safety benefits. Post-implementation analysis shows:
 - 59% reduction in annual run-off-road (ROR) crashes
 - 0 fatal crashes





Recent Activity

- Signal timing & phasing adjustments implemented Fall 2023:
 - Lead pedestrian “Walk” interval for crosswalks
 - Longer flashing “don’t walk” times for crosswalks
 - Green arrow for westbound left turn from Whitaker Mill Rd

Changes have been received positively by the public
- Improved street lighting:
 - Lighting upgrade to existing pole at Glenwood Ave. & White Oak Rd. in Dec. 2024



Study Recommendations

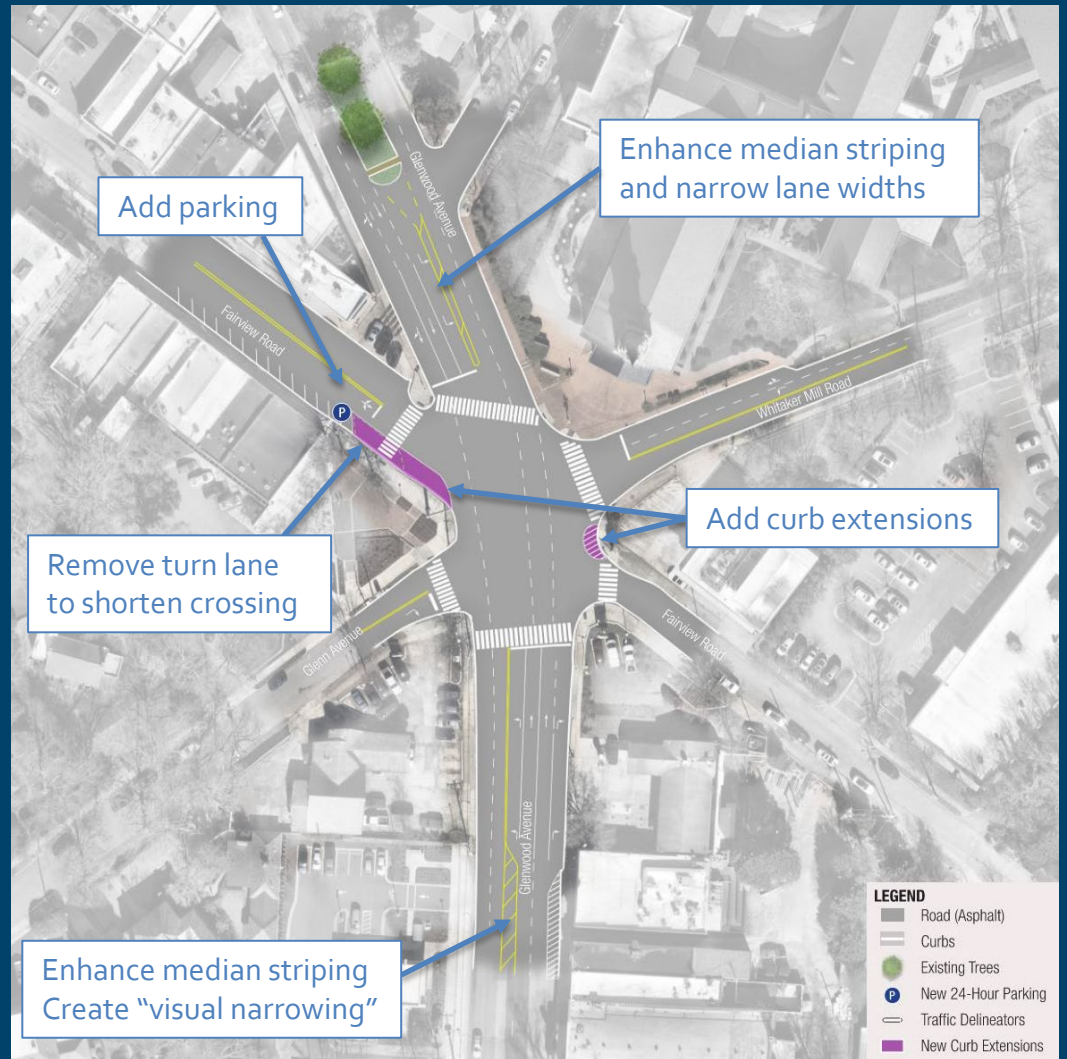
- Near-term, quick-build intersection improvements identified to build on recent signal modifications and provide immediate results
- Longer term intersection improvements are unfunded
 - Study recommendations will provide foundation for future conversations w/ community and NCDOT
- Greenway connectivity recommendations are generally supported by the public and City staff



Near-Term Improvements

Planned for Spring/Summer 2025





- Remove right turn lane on eastbound Fairview Rd.
- Incorporate striped curb extensions
- Enhance median striping
- Reduce widths to slow vehicles approaching intersection





Comparison



Measure	 Near Term Improvements	 Concept A	 Concept G	 Concept I
Travel Time and Congestion	●	●	●●●	●
Traffic Speeds	●	●	●●●	●●
Traffic Safety	●	●	●●●	●●
Walking/Bicycling Conditions	●	●	●●●	●●
Access to Businesses	●	●	●●	●
On-Street Parking	●	●	●	●
Green Space	●	●	●●●	●●
Construction Cost/ROW Impacts	●	●	●●	●●●





Near-Term Improvements: Benefits/Trade-offs

- Traffic calming due to narrower lanes and slower turning speeds
- Reduces crosswalk distance on Fairview Rd.
- Provides additional on-street parking on Fairview Rd.
- Reduces conflicts between turning vehicles

Trade-offs

- *Likely will not address extreme speeding*
- *Left turns still conflict with crosswalks on all four legs*



Next Steps

- In-person meeting in March 2025 (Details TBD)
- Complete Study's Final Report (Spring 2025)
- Refine concept and implement near-term improvements (Spring/Summer 2025)
- Support future discussions contingent on City Council authorization and funding availability



Questions?

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Project webpage:

<https://raleighnc.gov/fivepointsstreetscape>