



Raleigh

# Capital Boulevard North Bikes and Businesses

Virtual Engagement

October 2020



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# About this meeting

Participating on the computer:

- Use comment box on the right to ask questions

Participating on the phone:

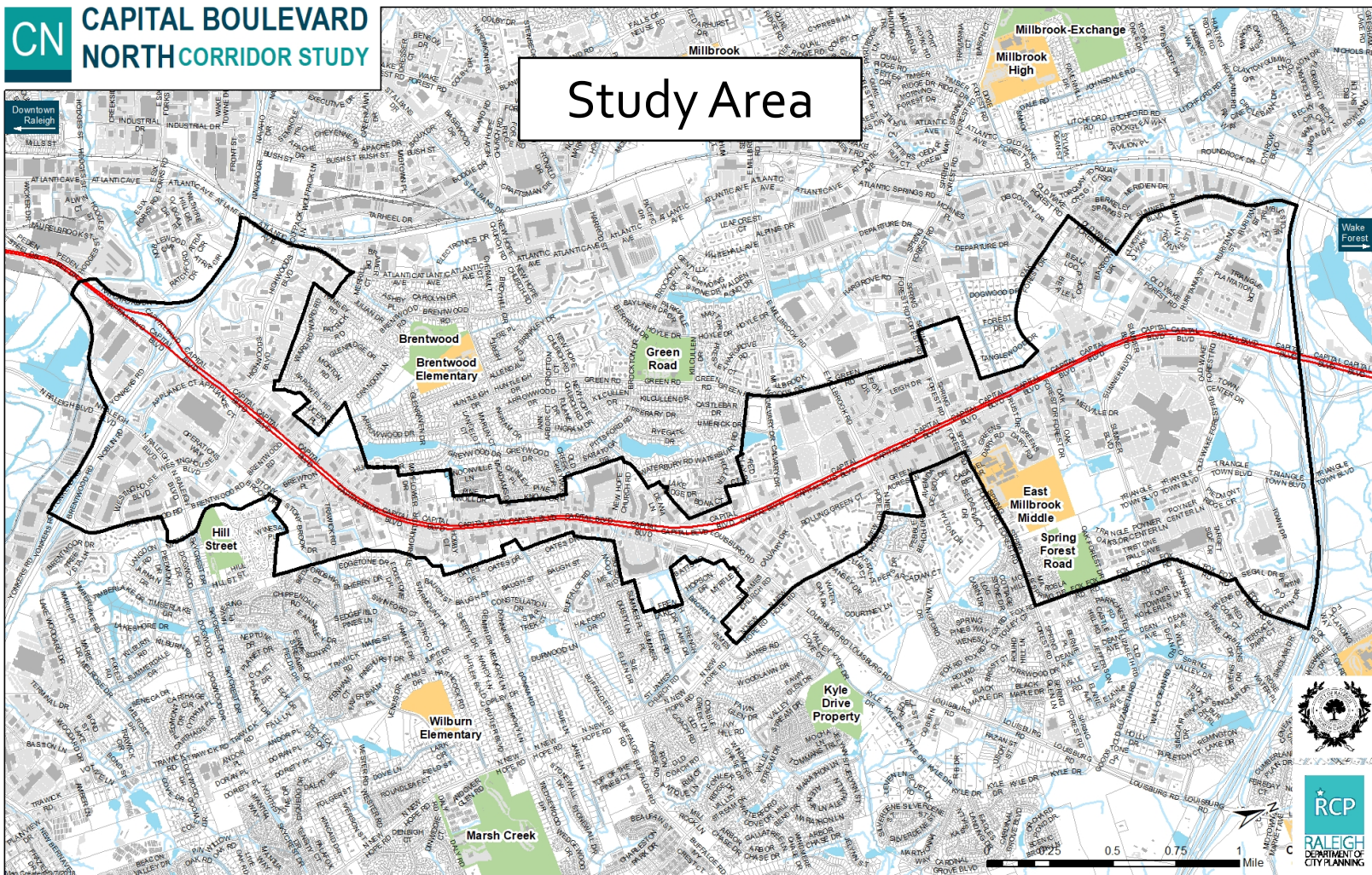
- Press star for options
- Choose to listen to the meeting, leave a voice message, or request to speak



# Contents

- Capital Boulevard North Background
- Bicycle and Pedestrian Analysis
- Priority Bike/Ped Network
- Bike/Ped Implementation Framework
- Small Business Proposals

# Study Area





# Study Elements

- Street improvements
- Land use policy
- Bicycle and pedestrian improvements
- Community development/Economic development



# Study Timeline

**Summer 2018:** Visioning

**Fall 2018:** Kickoff workshop

**Spring 2019:** Big Ideas Workshop

**Fall 2019:** Design Directions Workshop

**Fall 2020:** Policy Recommendation Review

**Winter 2020:** Final Recommendations and Draft Plan

# Capital Boulevard Multi-way

Through lanes

Bus-only lanes

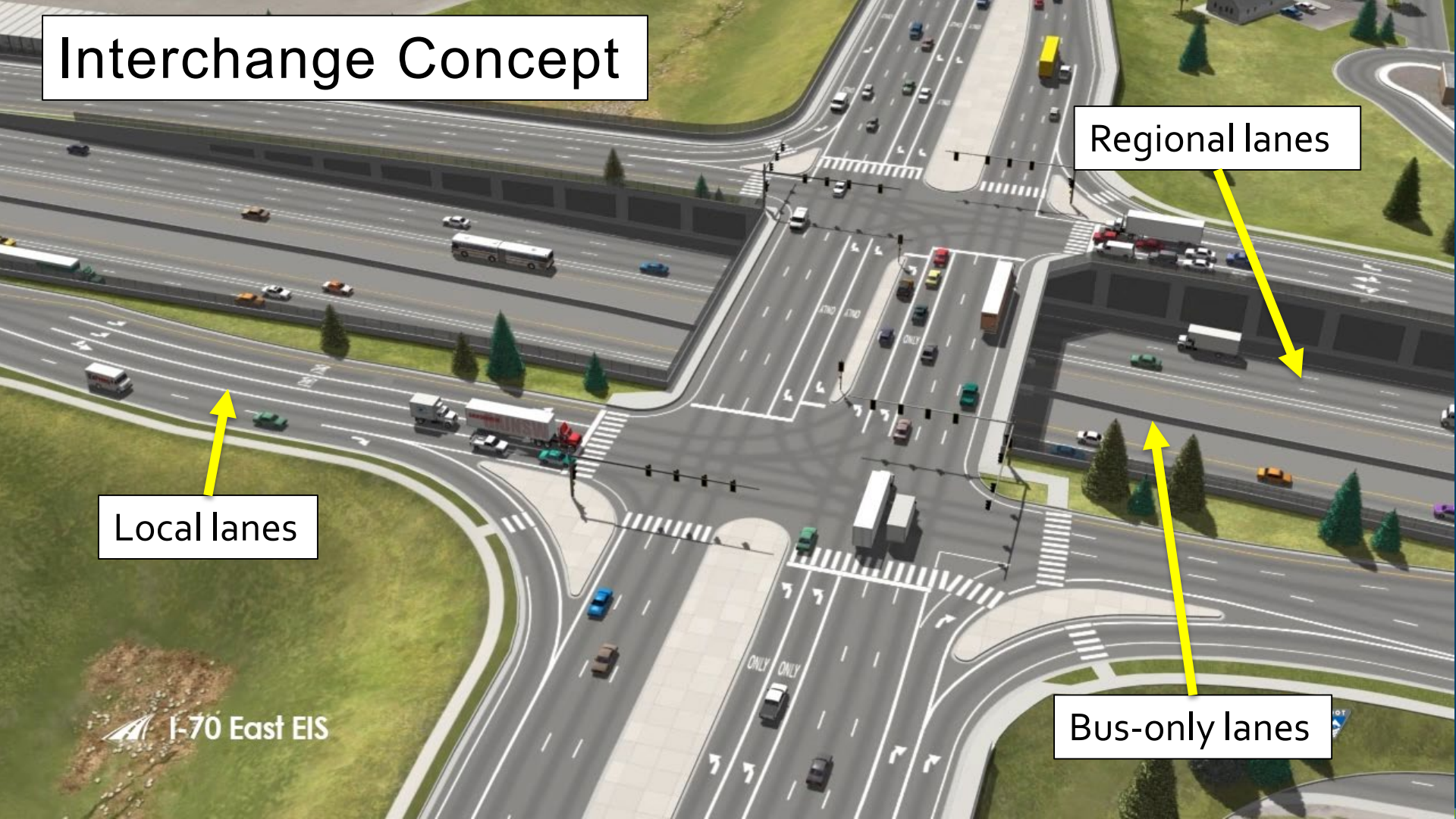
Local lanes

PRIVATE PROPERTY



PRIVATE PROPERTY

# Interchange Concept



Regional lanes

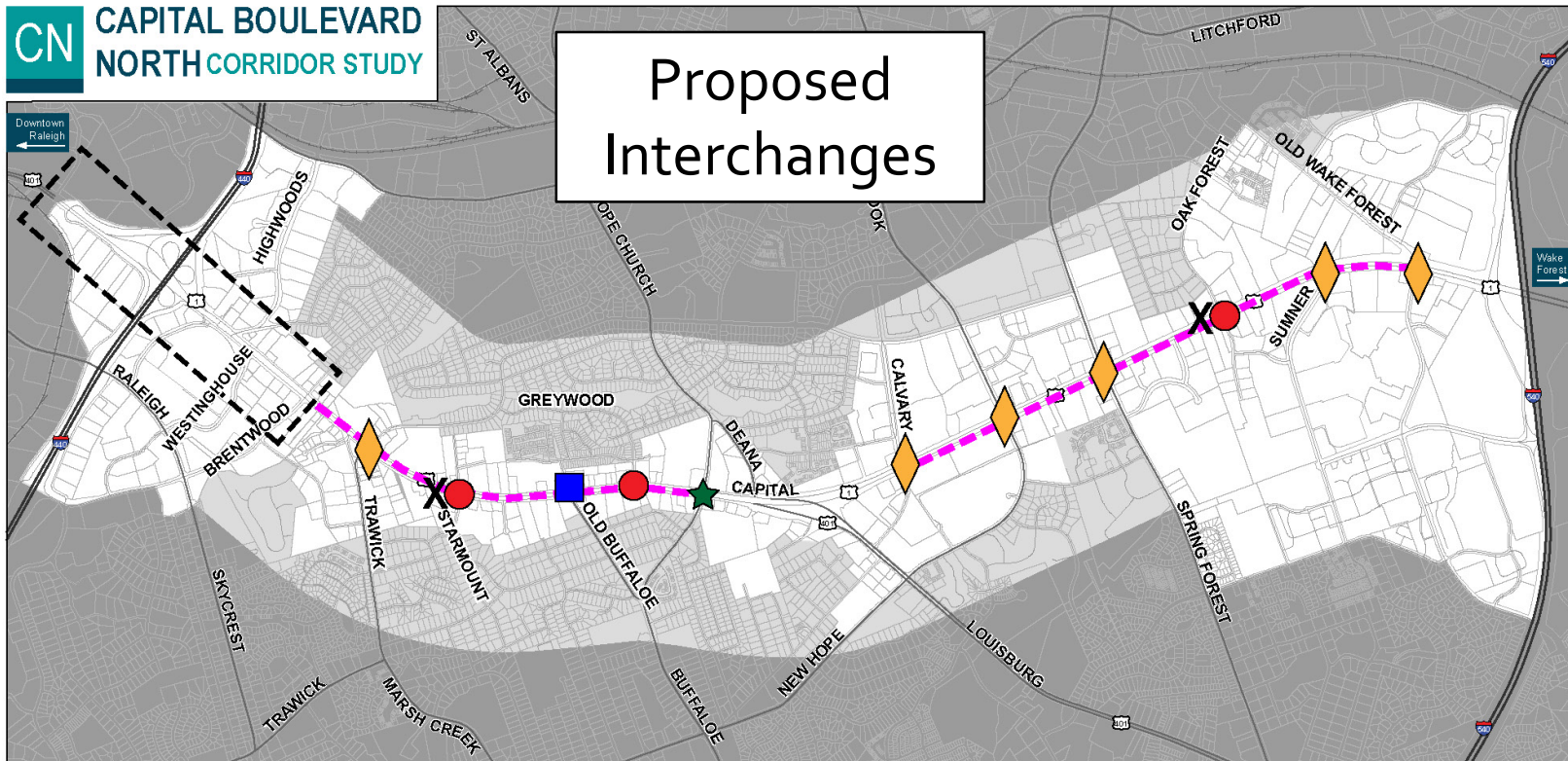
Local lanes

Bus-only lanes

I-70 East EIS



# Proposed Interchanges



## Multiway Boulevard Alternative

- Grade Separated - Tight Diamond
- Grade Separated - Single Point Urban Interchange
- Grade Separation
- Grade Separated Pedestrian Crossing
- Right-in / Right-out (Local Lanes)
- I-5970 (NCDOT Project)
- Multiway Boulevard

- Study Area
- Area of Influence



0 0.25 0.5 0.75 1  
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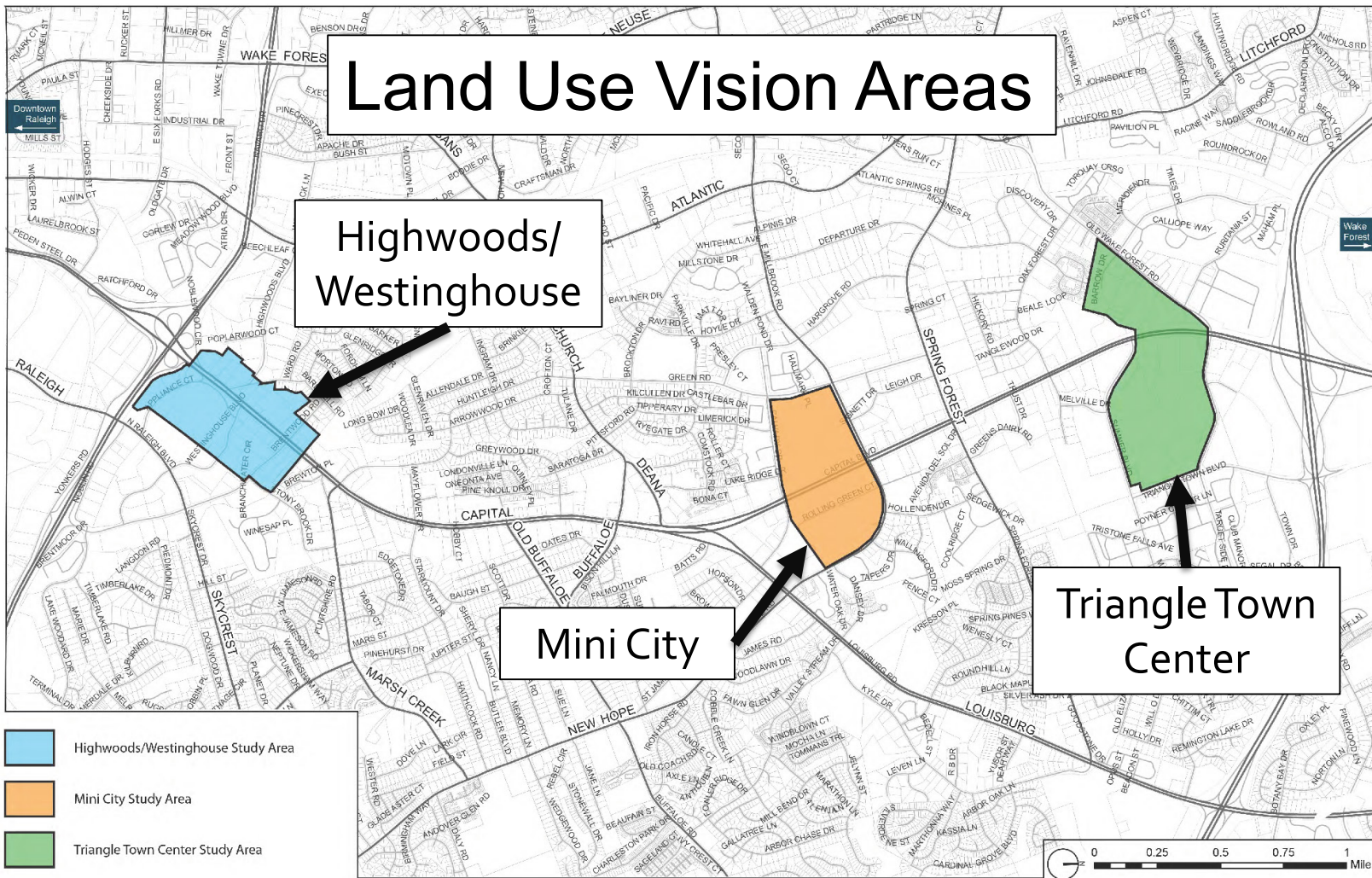
# Land Use Vision Areas

Highwoods/  
Westinghouse

Mini City

Triangle Town  
Center

-  Highwoods/Westinghouse Study Area
-  Mini City Study Area
-  Triangle Town Center Study Area





# Study Elements

- Street improvements
- Land use policy
- Bicycle and pedestrian improvements
- Community development/Economic development



What are types of bicycle and pedestrian improvements?

Sidewalk



Crossing Area



Pedestrian Bridge



Bicycle Lane



Protected Bike Lane



Multi-use Path





# How do we prioritize bicycle and pedestrian facilities?

- BikeRaleigh Plan
- Existing Sidewalks
- Level of Traffic Stress (LTS) analysis
- Transit access
- Equity analysis



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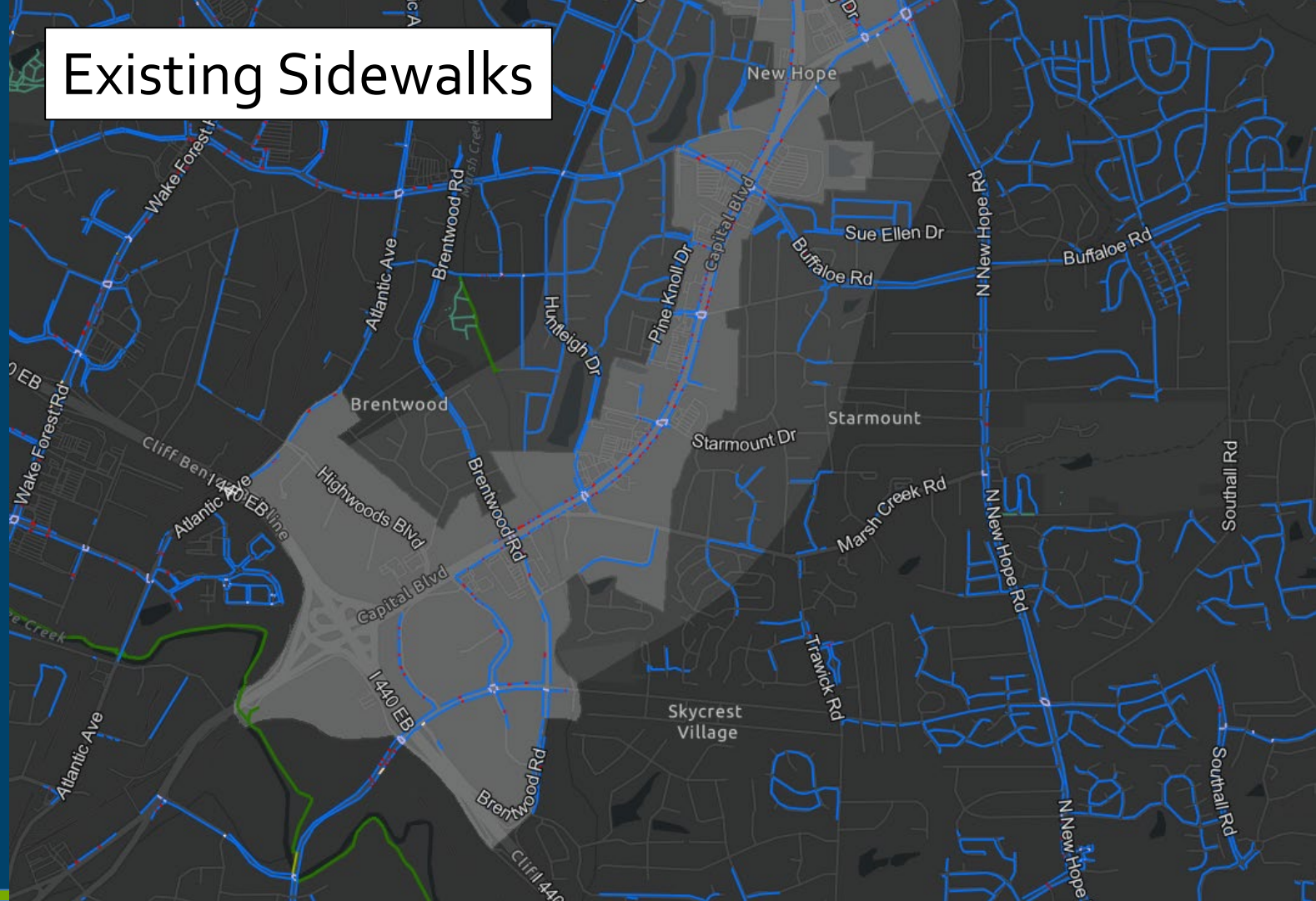
# BikeRaleigh Plan



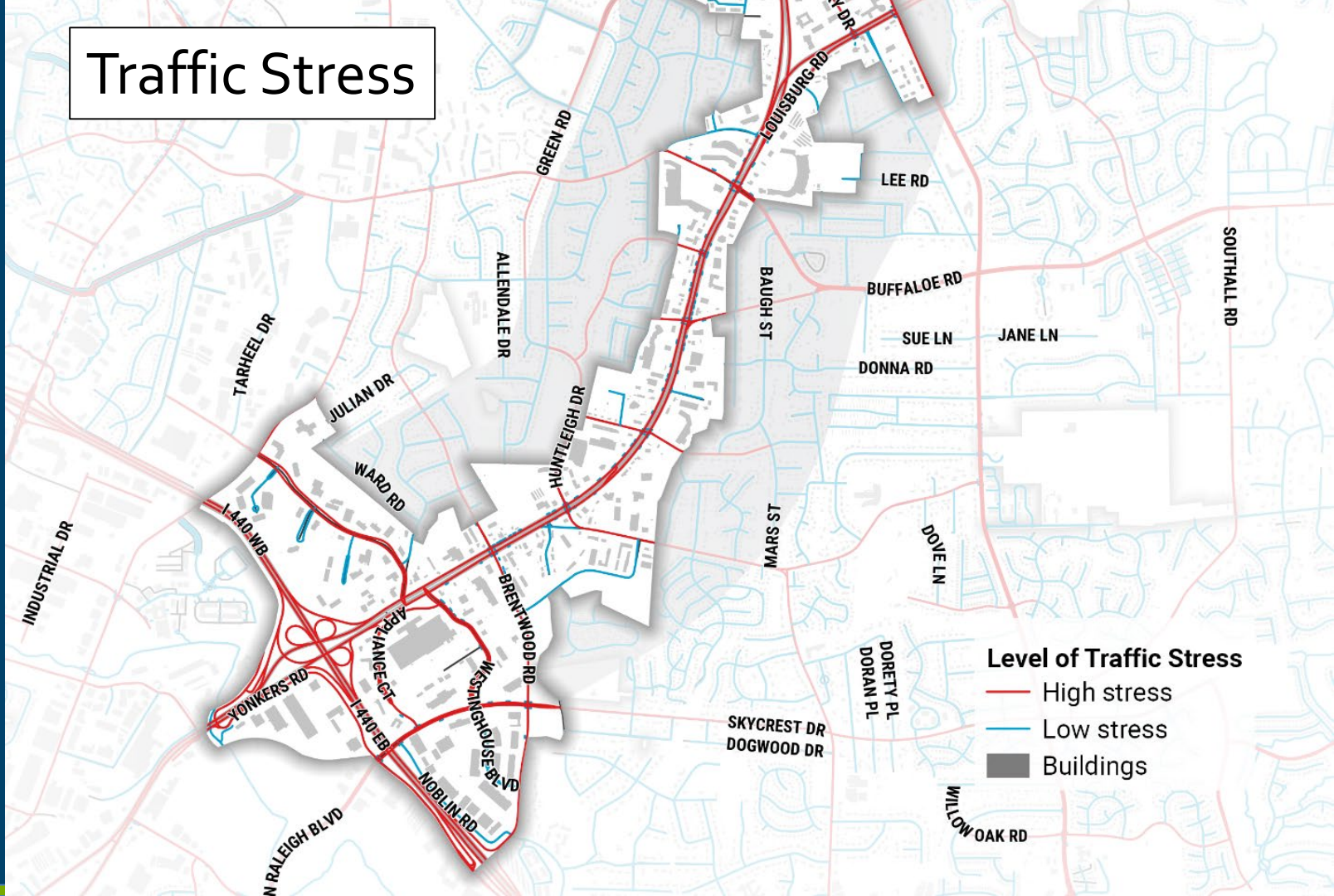


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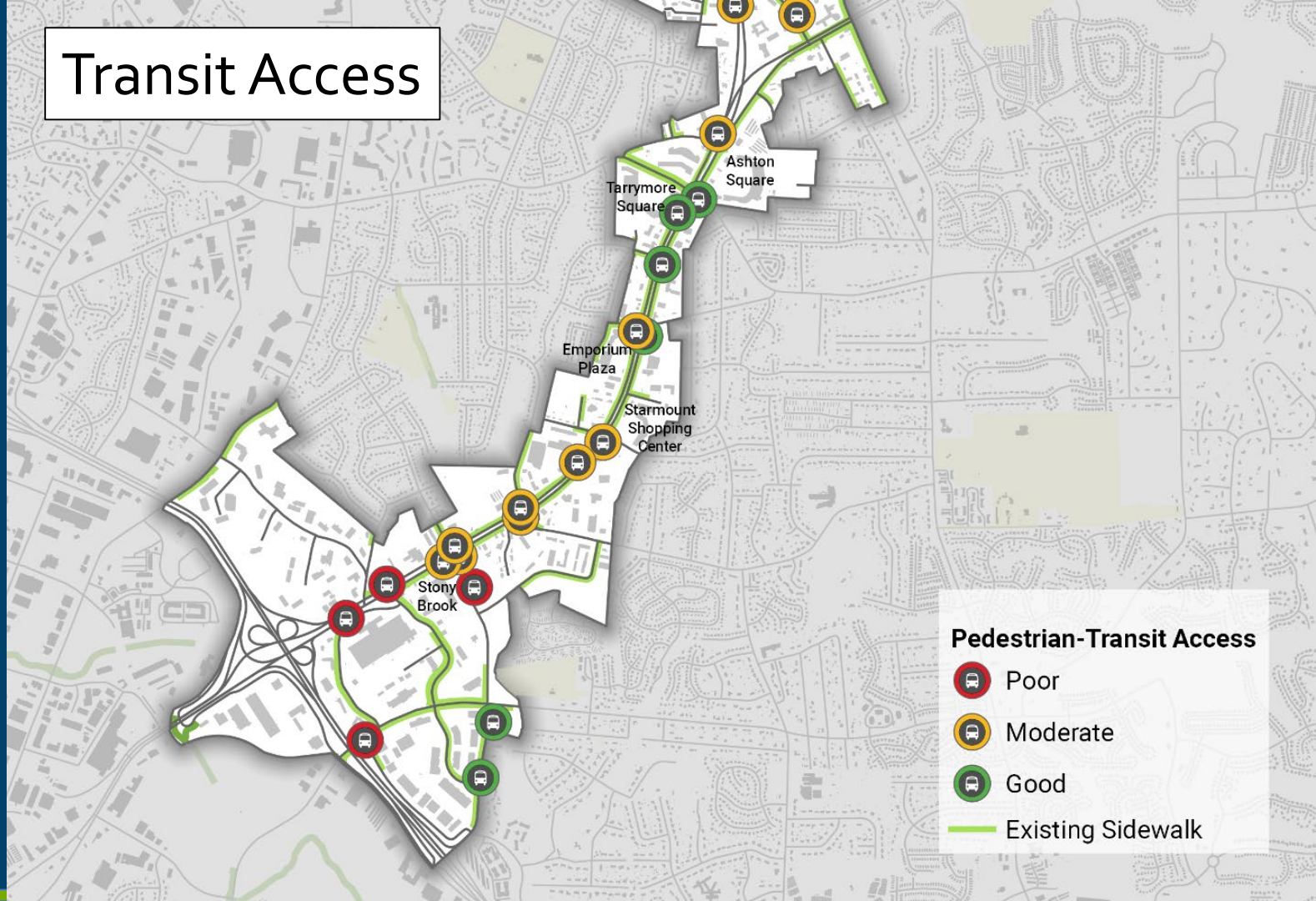
# Existing Sidewalks



# Traffic Stress



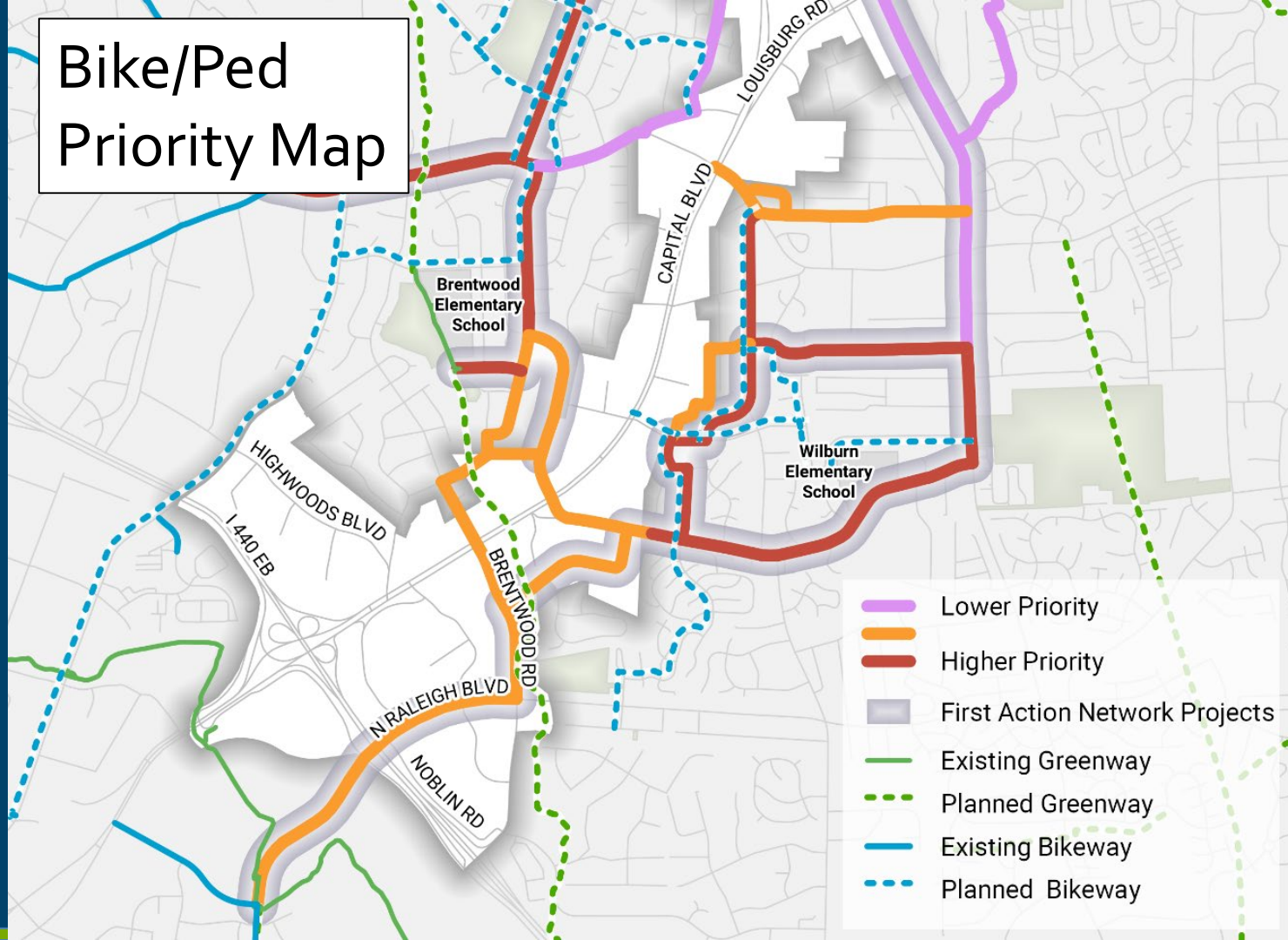
# Transit Access





# Result: Prioritization Map

# Bike/Ped Priority Map





# How are bicycle and pedestrian facilities constructed?

Three means of implementation

1. City street projects (5 to 10 years)
2. Capital Boulevard interchanges (10 to 20 years)
3. Redevelopment and Street Plan Map (more than 20 years)

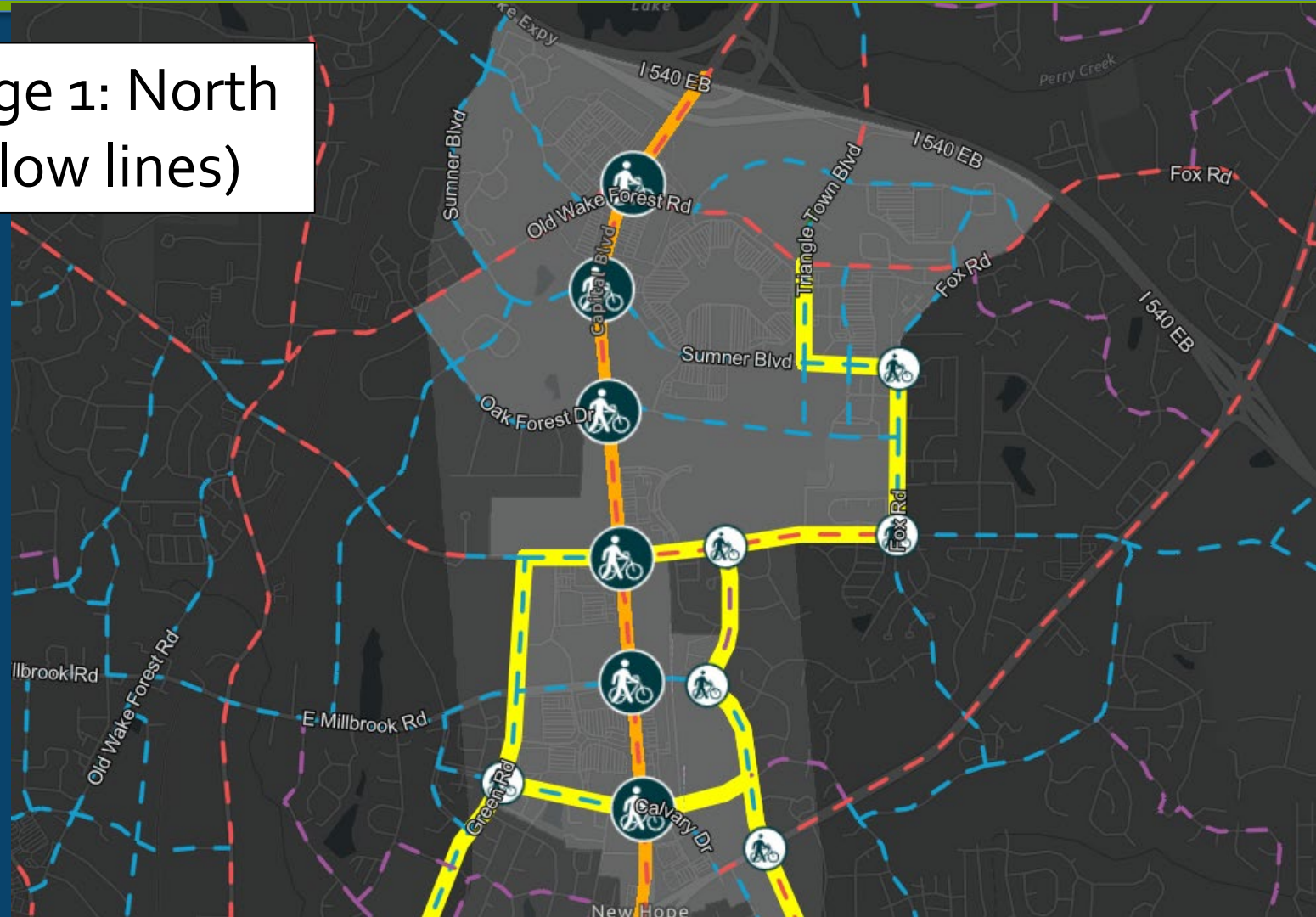


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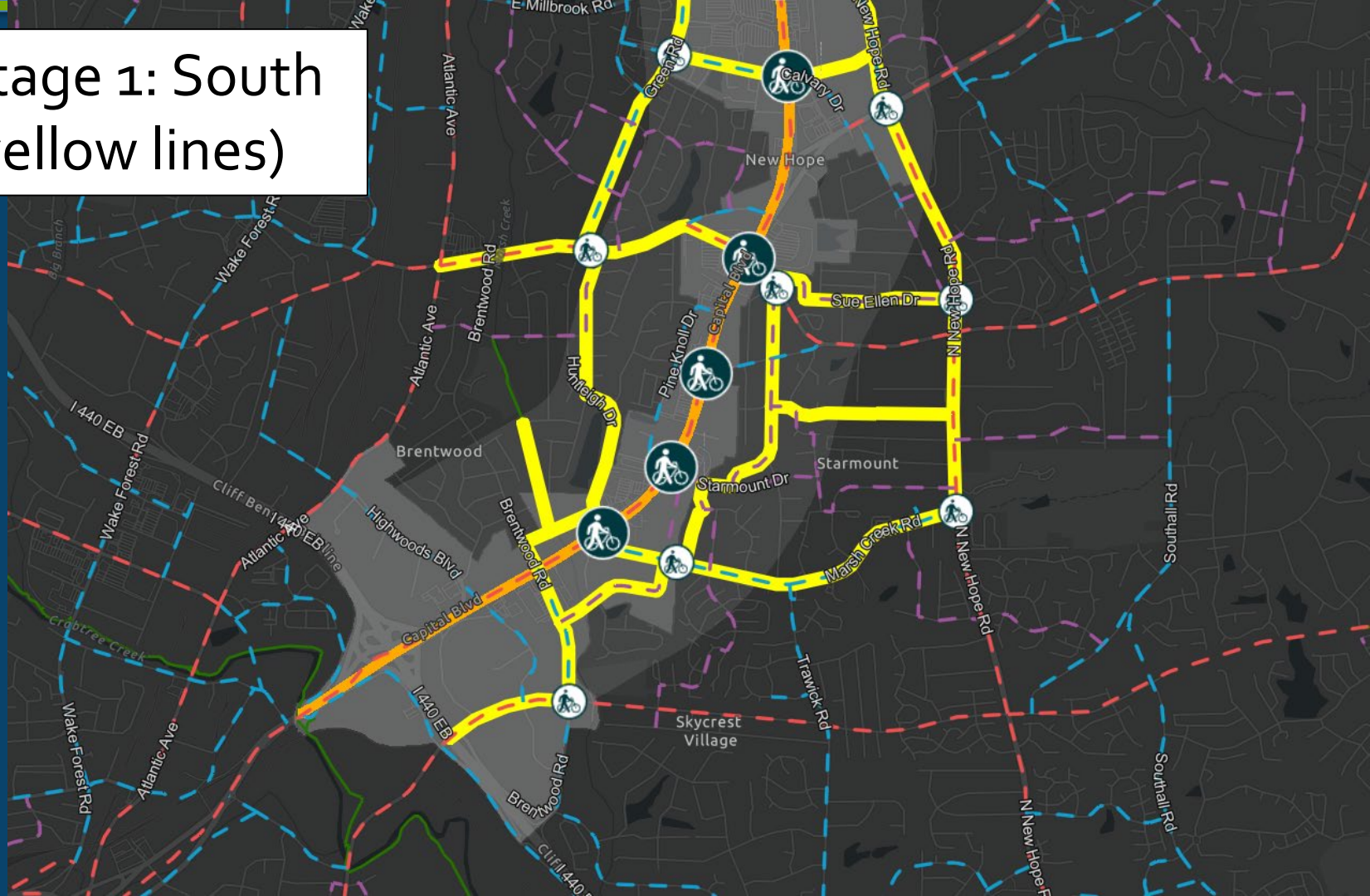
# Stage 1: City Street Projects

- Add sidewalks, bicycle facilities, and crossing areas
- Projects in design or under construction:
  - Atlantic Ave
  - Fox Rd
  - Green Rd
  - Highwoods Blvd
  - New Hope Church Rd
  - Old Wake Forest Rd
  - Trawick Rd/Marsh Creek Rd
- Which streets should be prioritized next?

# Stage 1: North (yellow lines)

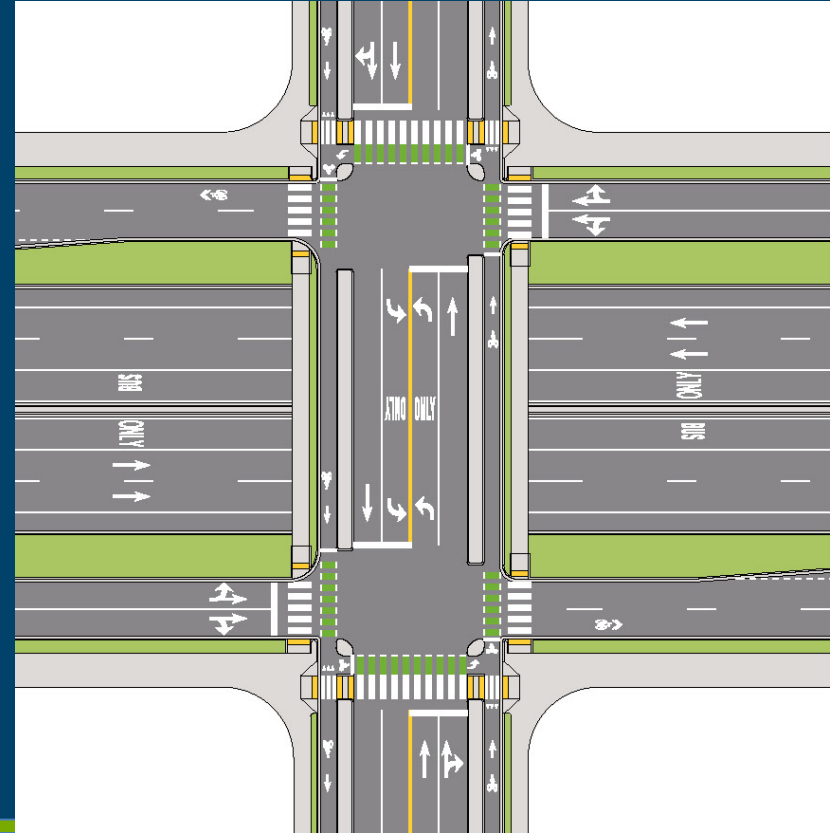


# Stage 1: South (yellow lines)





# Stage 2: Interchange Bike/Ped Facilities

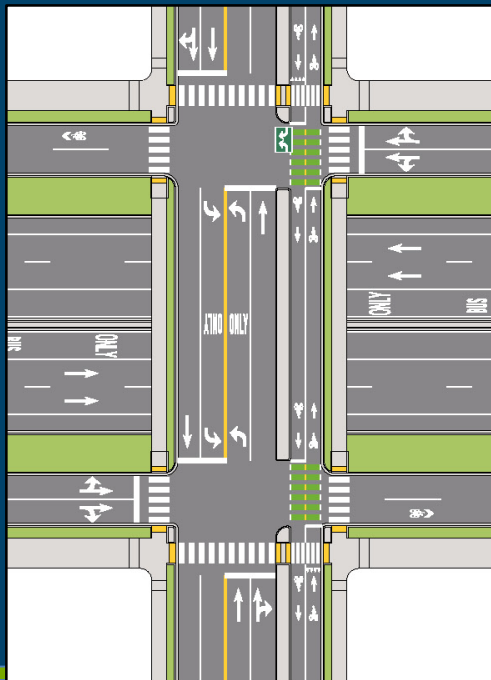




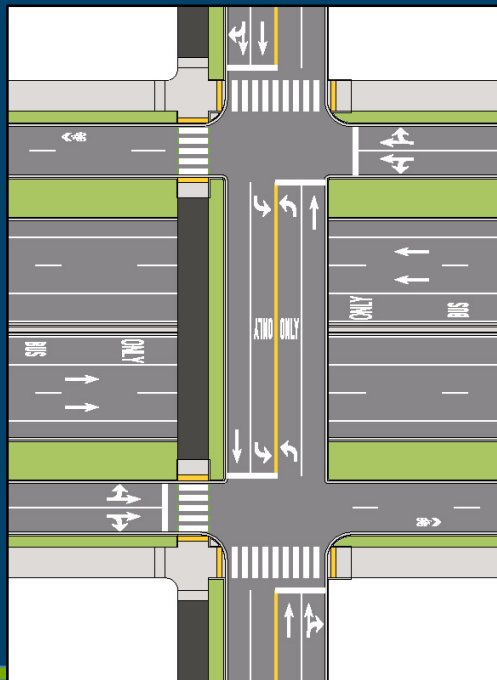
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# Design Options

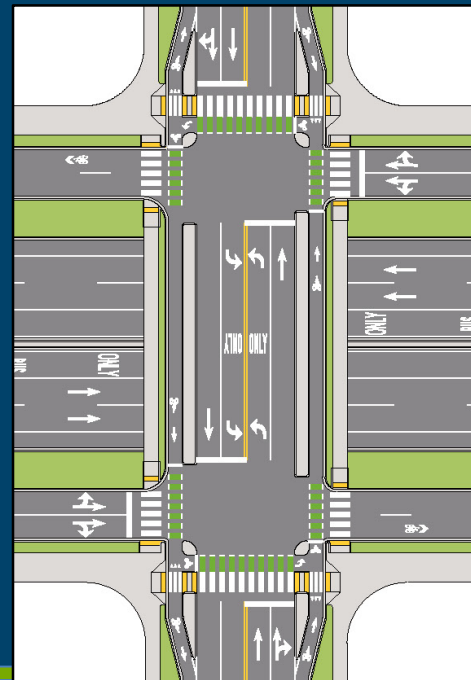
Two-way Bike Lane



Shared Use Path



One-way Bike Lanes



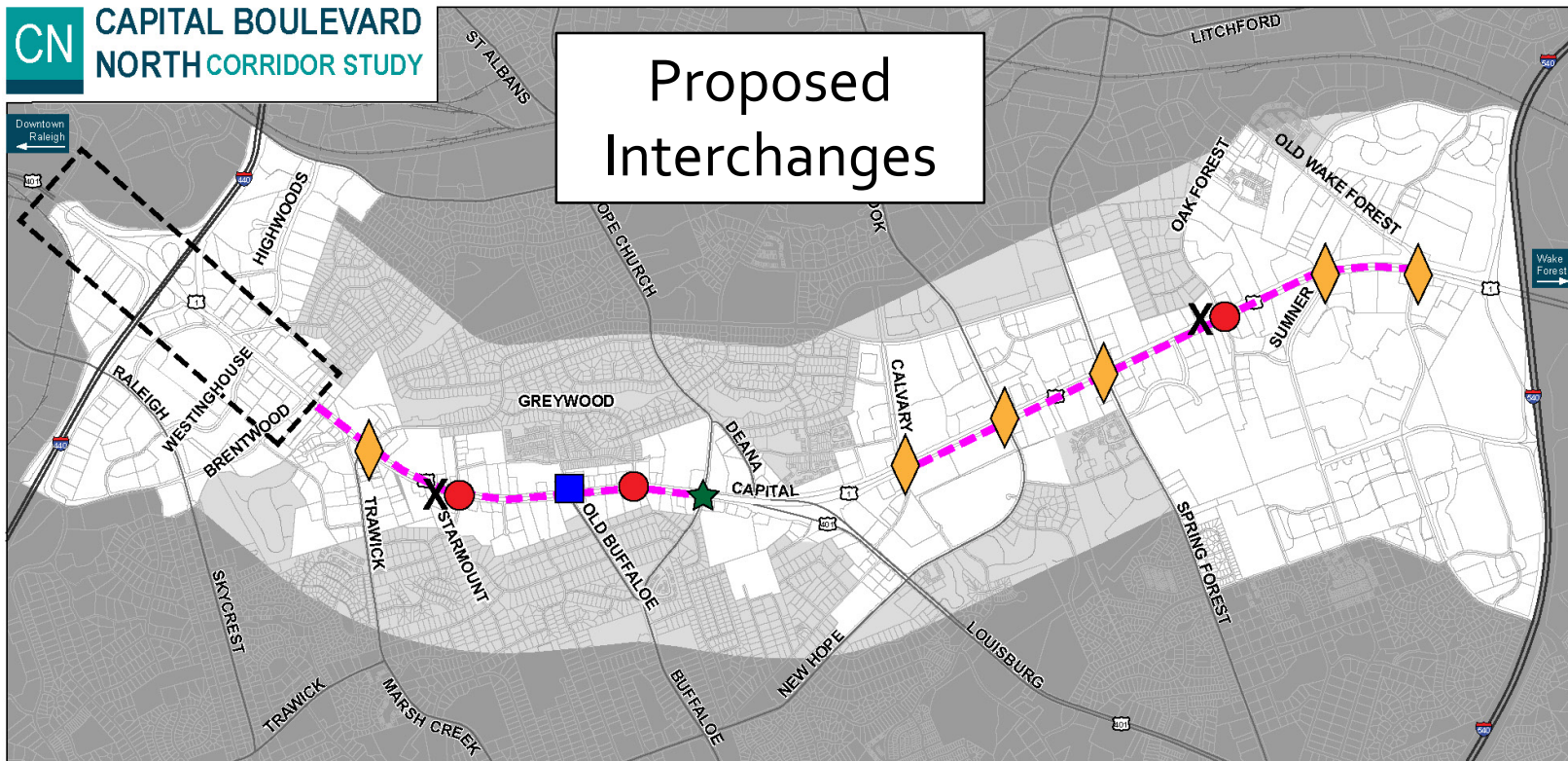
# Protected Bicycle Lanes





**CN** CAPITAL BOULEVARD  
NORTH CORRIDOR STUDY

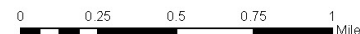
# Proposed Interchanges



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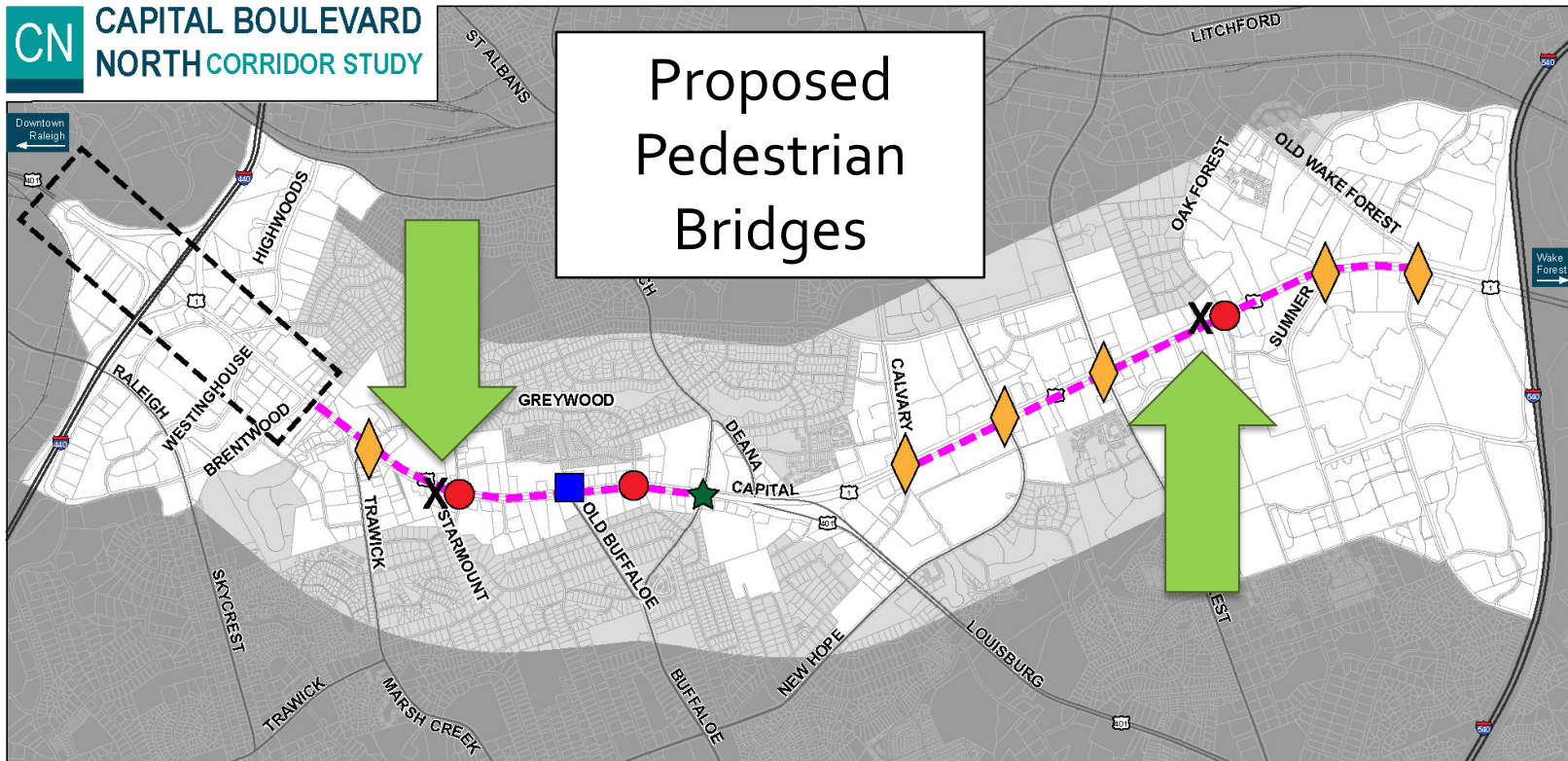
- Study Area  
 Area of Influence





# CN CAPITAL BOULEVARD NORTH CORRIDOR STUDY

## Proposed Pedestrian Bridges



### Multiway Boulevard Alternative

- Grade Separated - Tight Diamond
- Grade Separated - Single Point Urban Interchange
- Grade Separation
- Grade Separated Pedestrian Crossing
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- I-5970 (NCDOT Project)
- Multiway Boulevard

- Study Area
- Area of Influence

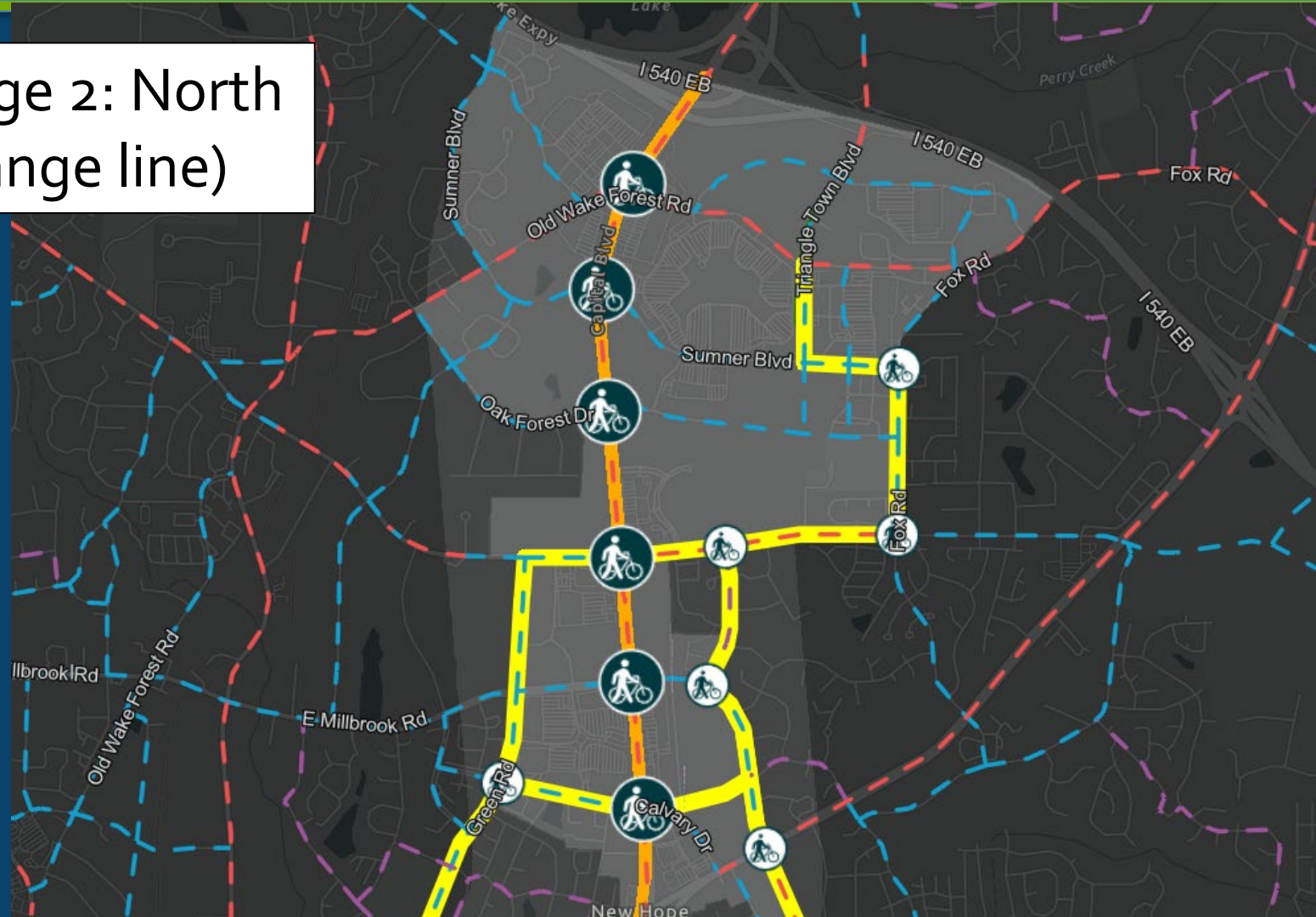


0 0.25 0.5 0.75 1 Mile

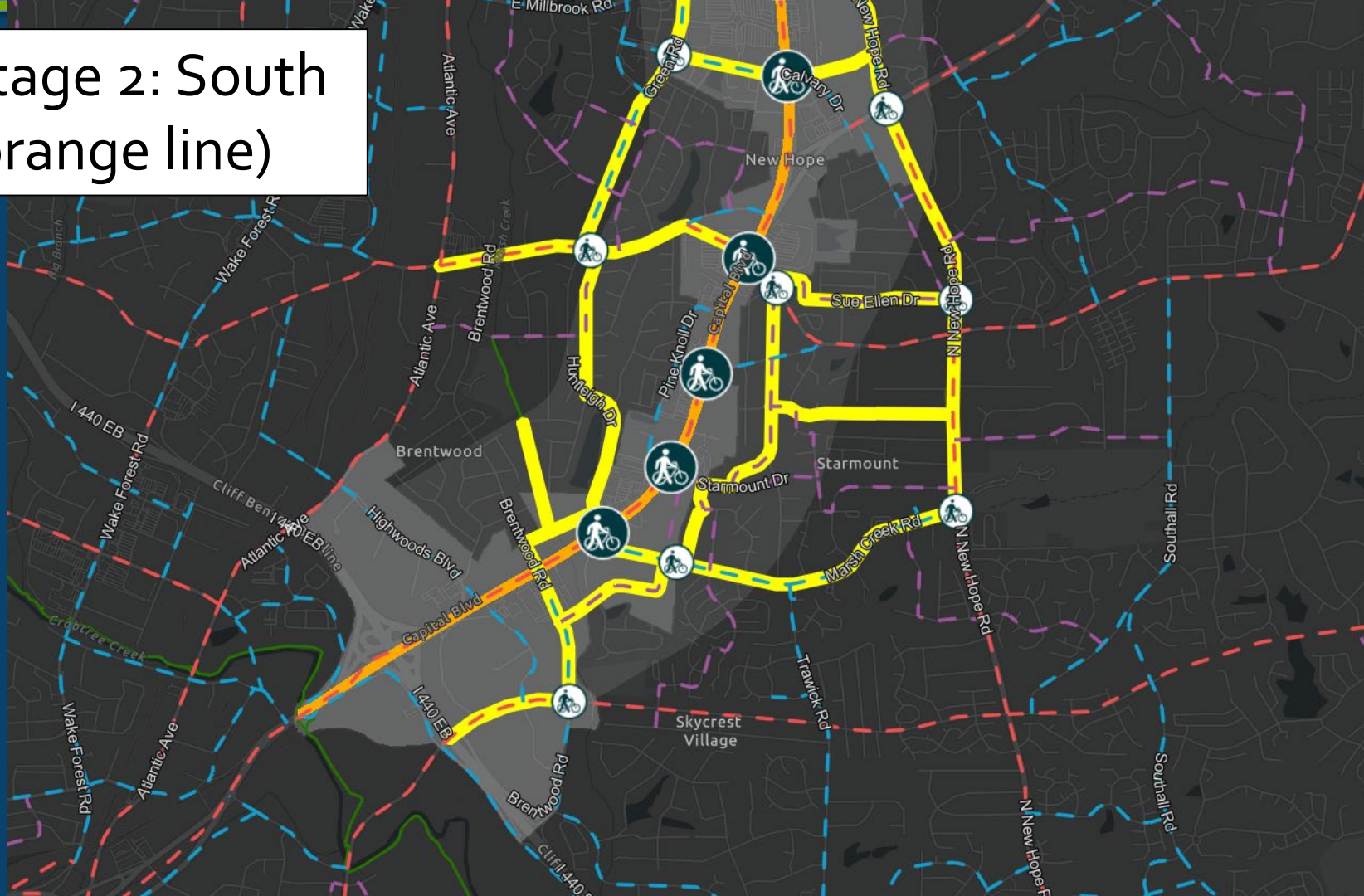
# Pedestrian Bridge Examples



## Stage 2: North (orange line)



## Stage 2: South (orange line)

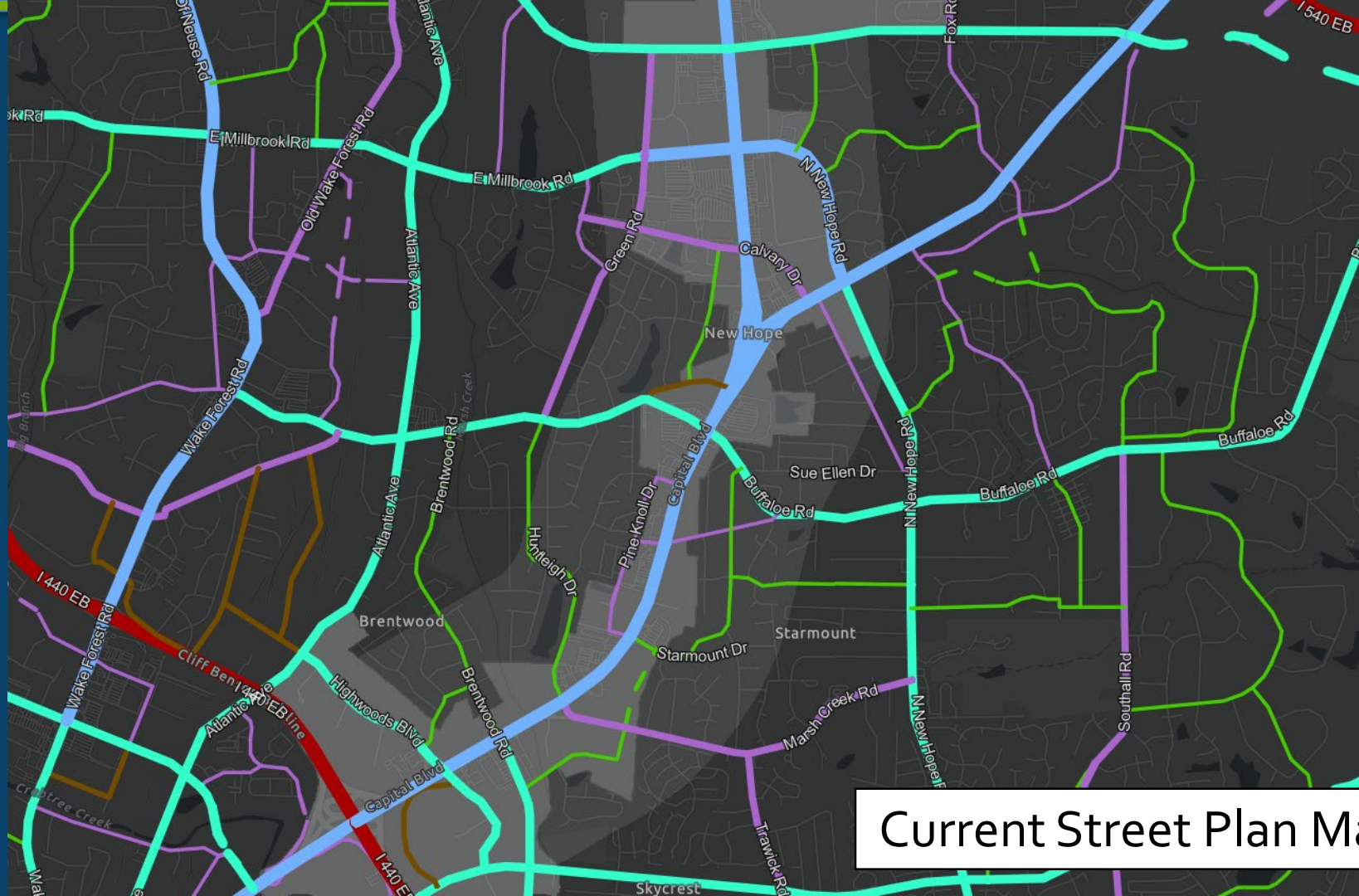




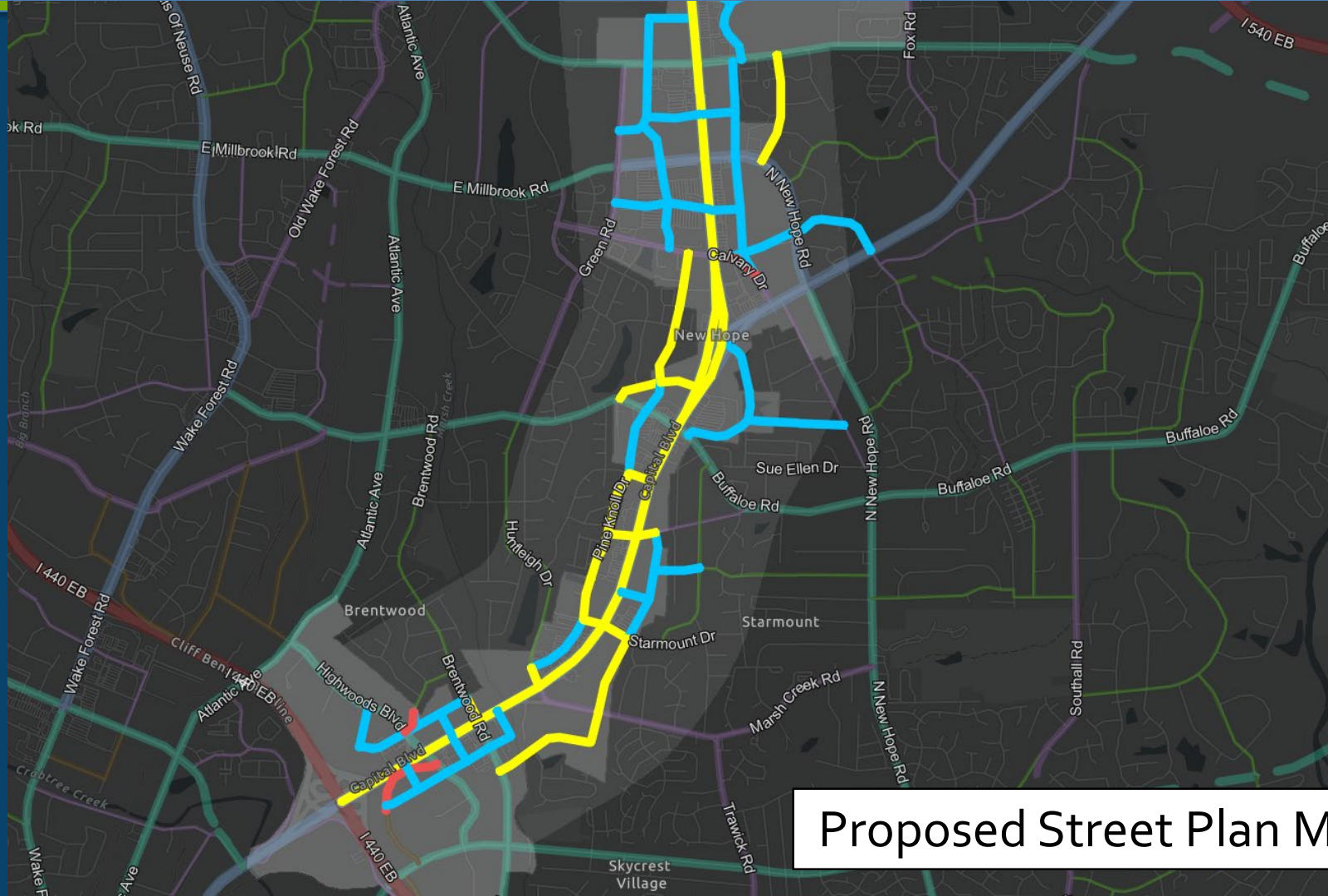
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## Stage 3: Redevelopment & Street Plan Map

- Street Plan Map requires new streets or improvements to existing streets
- Some new streets already proposed in Street Plan
- Capital Boulevard North study will recommend additional streets be added
- Street Design Manual requires bicycle facilities for most streets
- Land Use Vision guidance will provide additional requirements within the study area

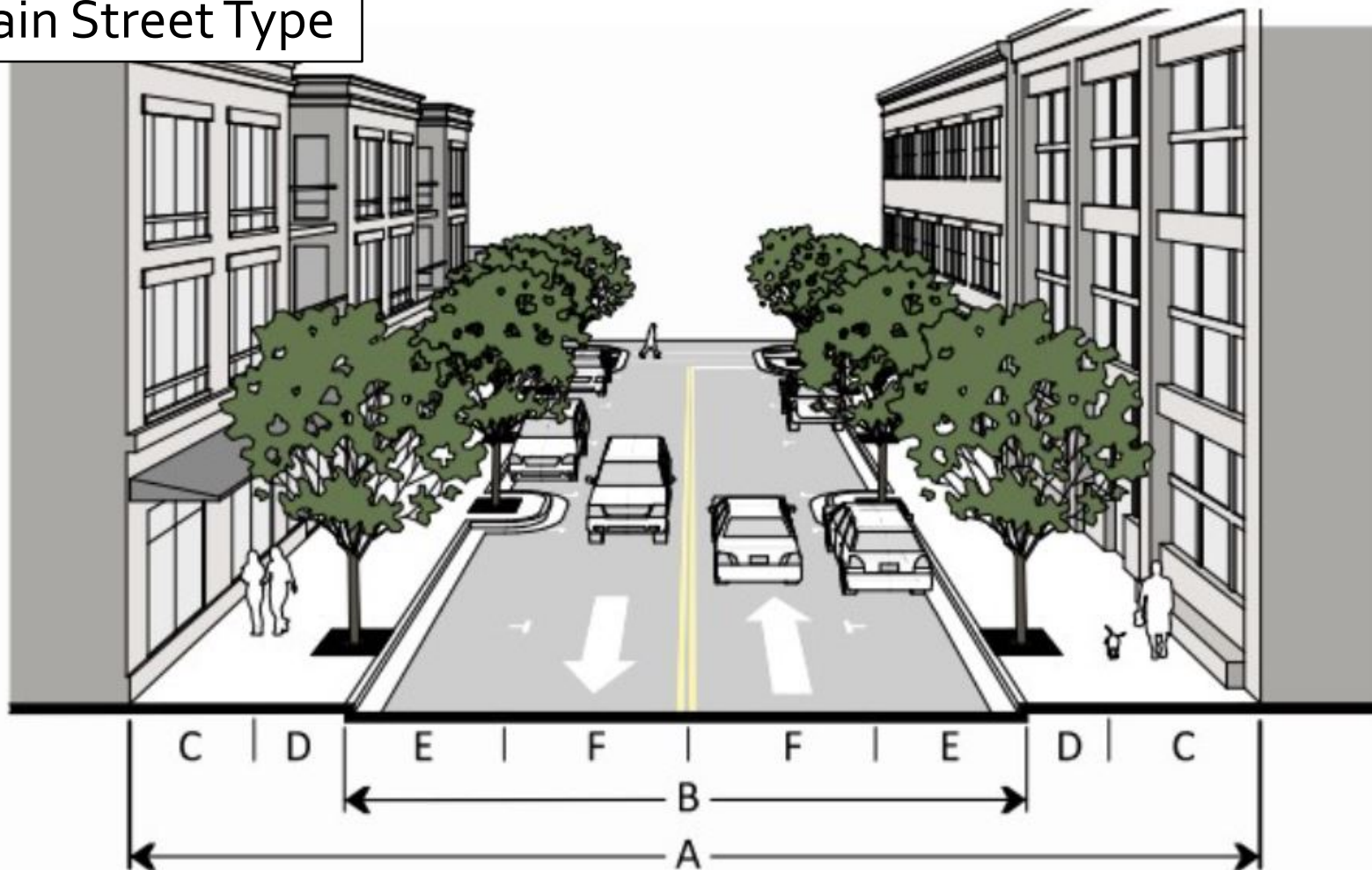


Current Street Plan Map

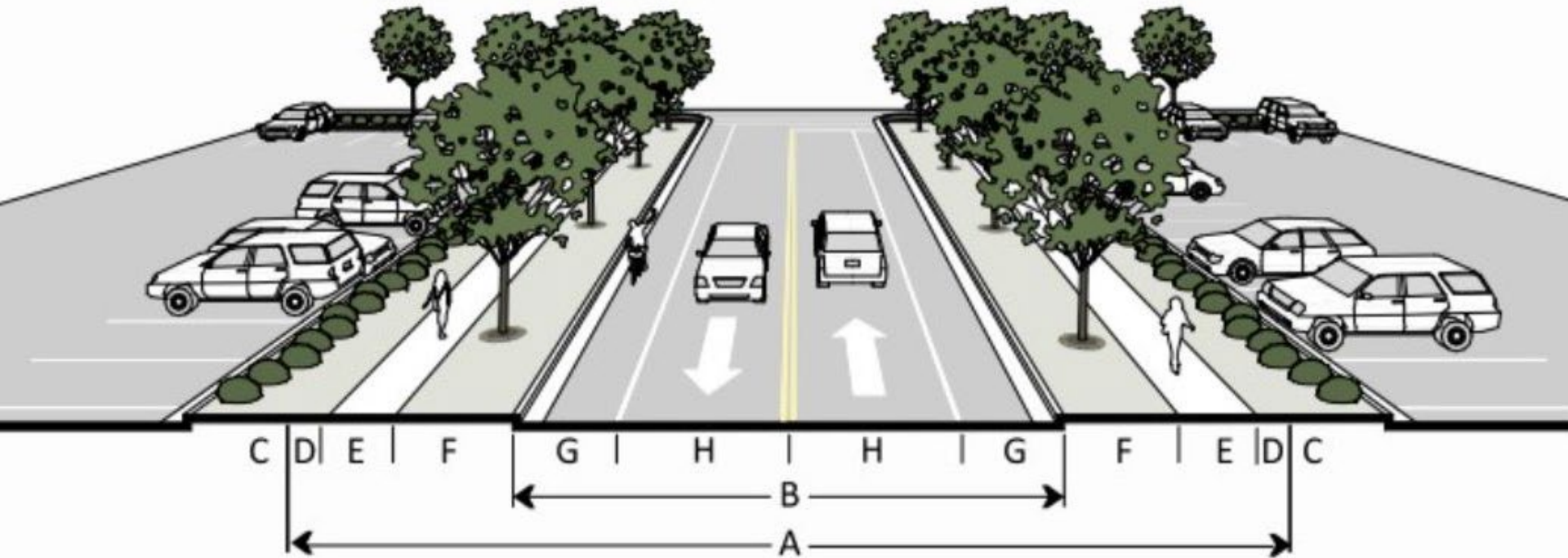


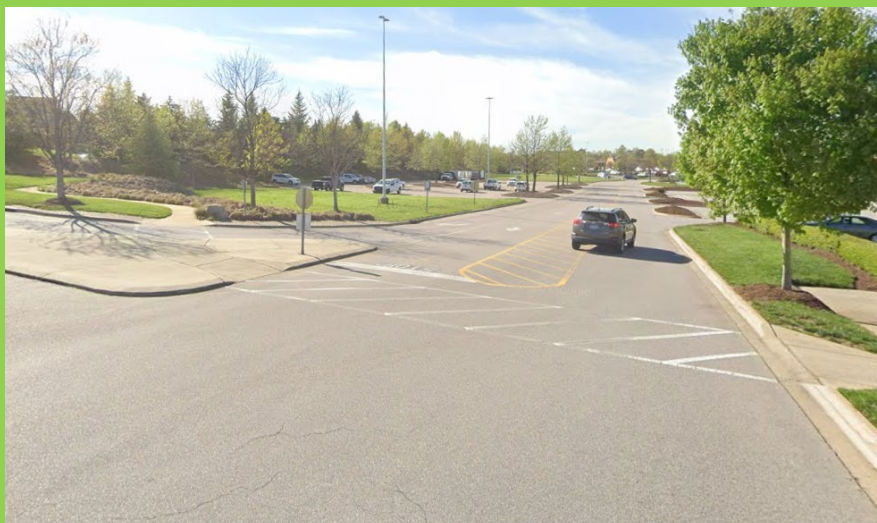
Proposed Street Plan Map

# Main Street Type



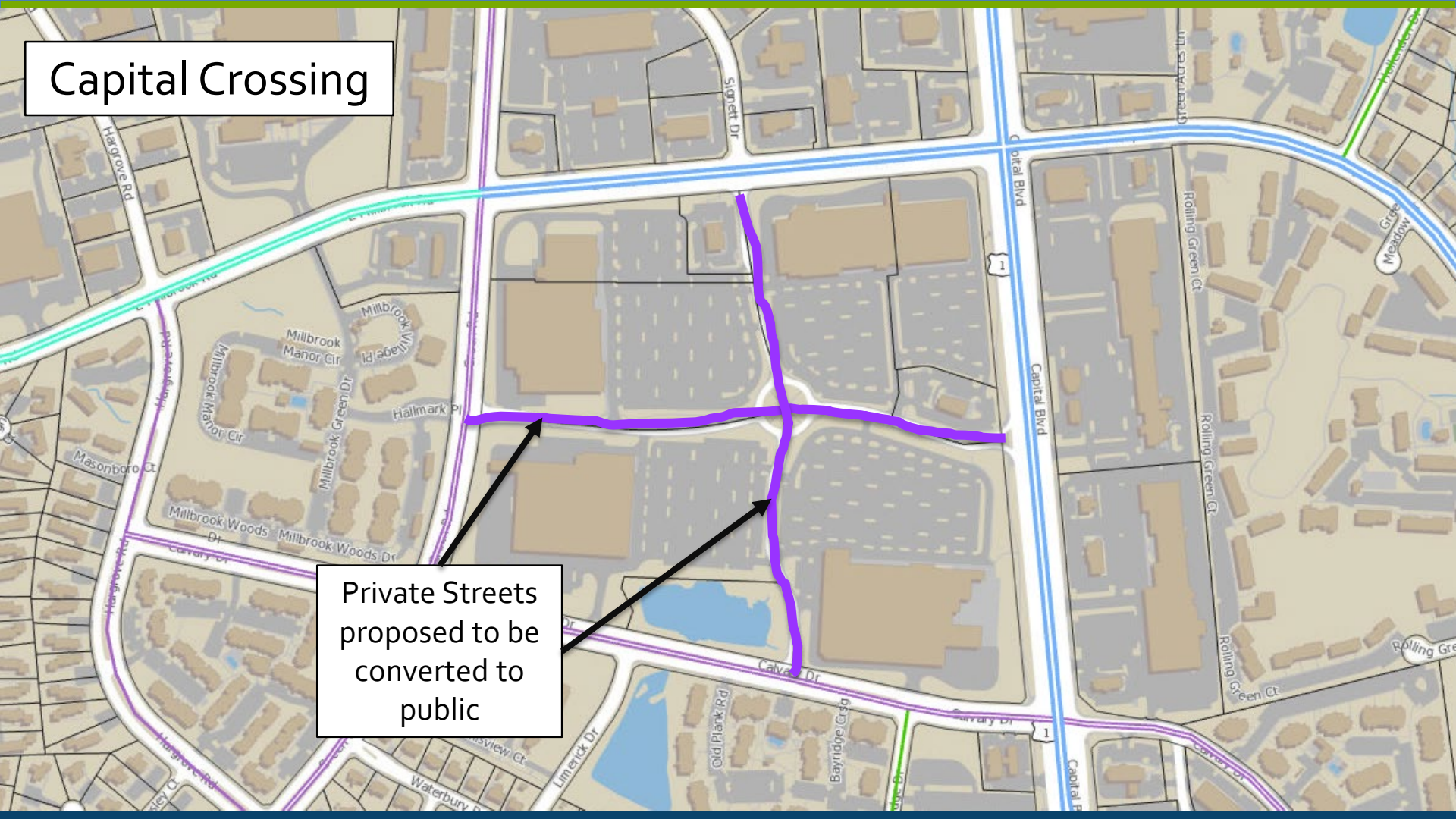
## Two Lane Avenue Type





# Capital Crossing

Private Streets  
proposed to be  
converted to  
public







# Small Business Efforts Planning Framework

Policies and Actions for the final study report

- Policies describe the desired future of the study area
- Actions give specific goals that support the policies



# Small Business Efforts Planning Framework

- Assist businesses open or remain in existing shopping centers
  - Grants for rehabilitation, beautification
  - Encourage internal subdivision
  - Explore business improvement district
  - Promote community identity



# Small Business Efforts Planning Framework

- Reduce impacts from multi-way boulevard concept
  - Keep existing street corners at the same level as today
  - Maintain as much access as possible
  - Select compact interchanges



# Small Business Efforts Planning Framework

- Encourage new development to include small businesses
  - Support inclusion of retail space in new development
  - Grants for inclusion of local businesses
  - Business directory



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# Next Steps

- Take the survey
  - <https://publicinput.com/R4227>
- Read the draft policies and actions
  - Linked in the survey
- Publication of study text policies
- Final study report in December/January



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# Questions?



# Thank you for joining us!

## Survey:

<https://publicinput.com/R4227>

## Staff Contact:

John Anagnost

919-996-2638

## Project web page:

[www.raleighnc.gov/capital-boulevard-north-study](http://www.raleighnc.gov/capital-boulevard-north-study)