



Roadway Design & **Construction**



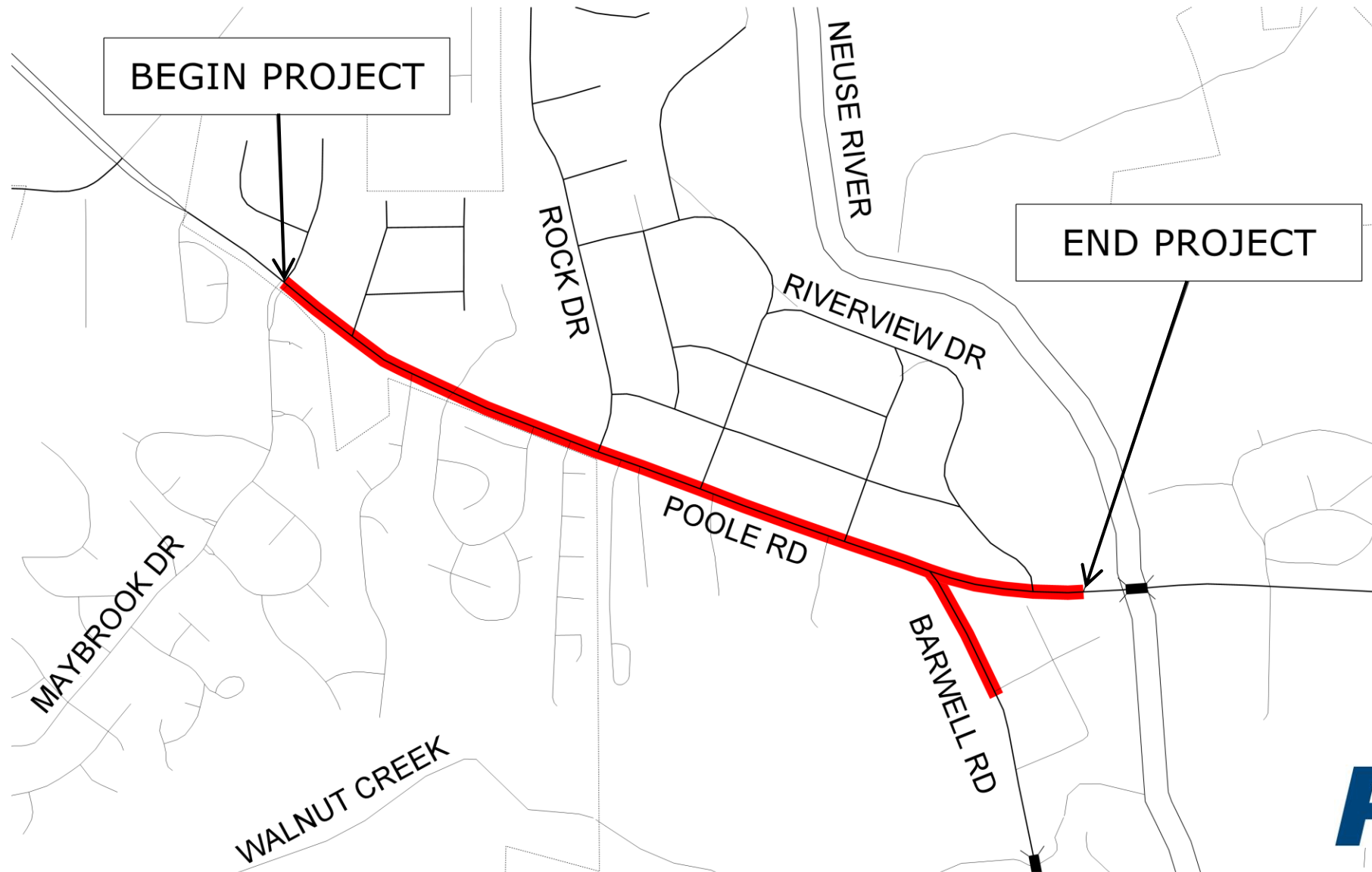
Pooler Road Widening Project

From Maybrook Avenue to Barwell Road

Prepared by:
Engineering Services Department
Roadway Design & Construction



Poole Road Widening Project Location



Poole Road Widening Project Purpose



- Provide Additional Capacity
- Increase Safety
- Add Facilities for Pedestrians and Bicyclist
- Provide Bicycle Connectivity from Rural Location to Raleigh City-Wide Bicycle System



Poole Road Widening

Existing Condition



Poole Road

- Two-Lane Shoulder Section with areas of curb and gutter/sidewalks
- Speed Limit 45 mph



Barwell Road

- Two-Lane Shoulder Section
- Speed Limit 45 mph



Poole Road Widening Project Rendering

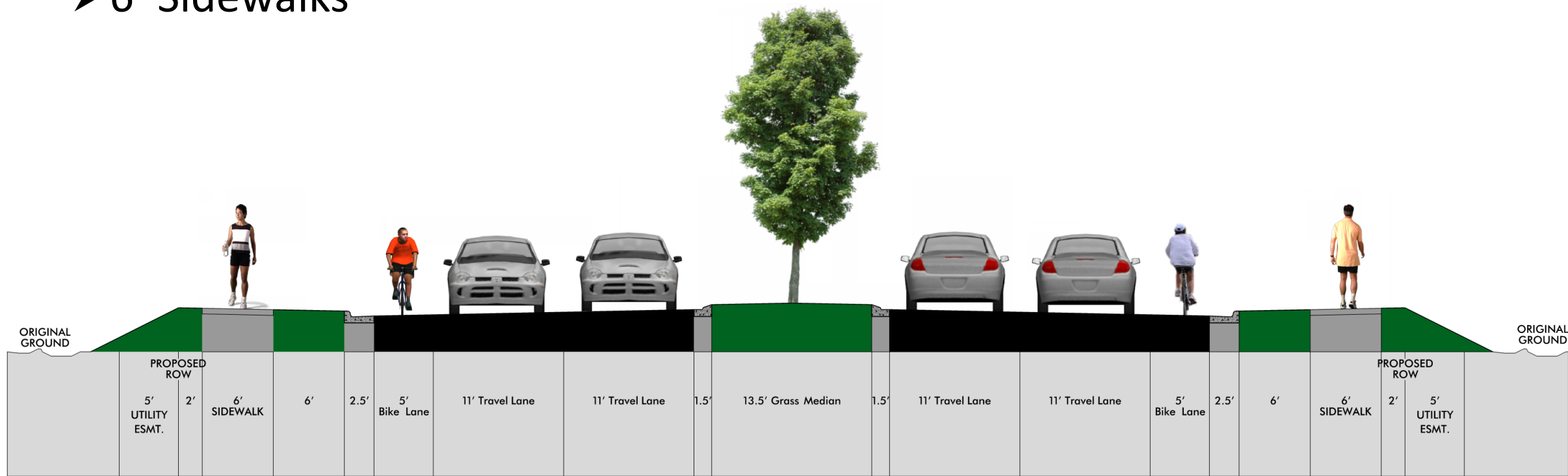


Poole Road Widening Typical Section



Poole Road – Maybrook Ave to Barwell Rd

- 5' Bike Lanes
- 6' Sidewalks



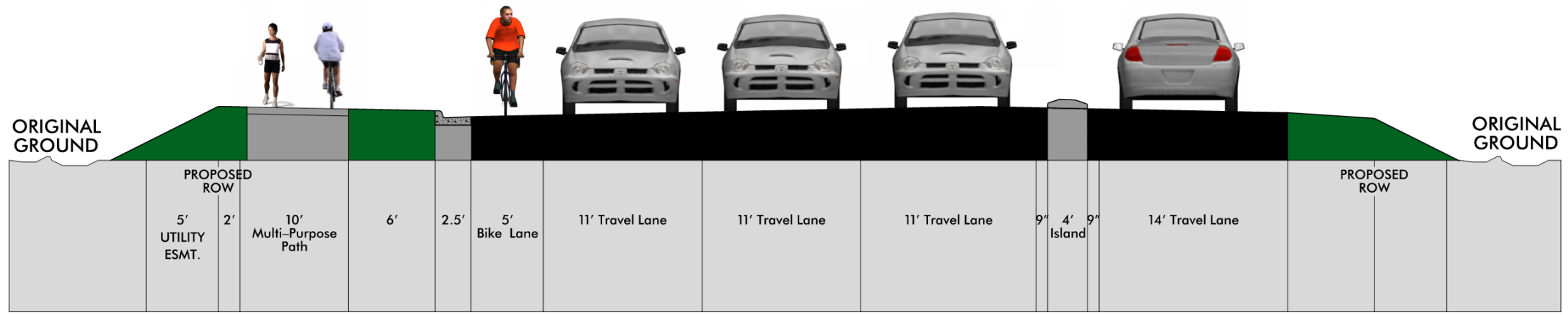
Poole Road Widening

Typical Section



Poole Road – Barwell Rd to Neuse River Trail Access

- 5' Bike Lane – Westbound Only
- 10' Multiuse Path to Neuse River Trail on North Side





Median Benefits

- Safety – Separates Opposing Travel Lanes
- Capacity – Minimizes Left Turns
- Goal – Balance Benefits with Access
- Median Openings – Maybrook Drive, Green Needles, River Knoll (west), Jeffrey Street, Barwell Road, Riverview Road
- U-Turn Bulbs at Green Needles, River Knoll (west), Jeffrey Street, Riverview Road

Poole Road Widening Pedestrian Crossings

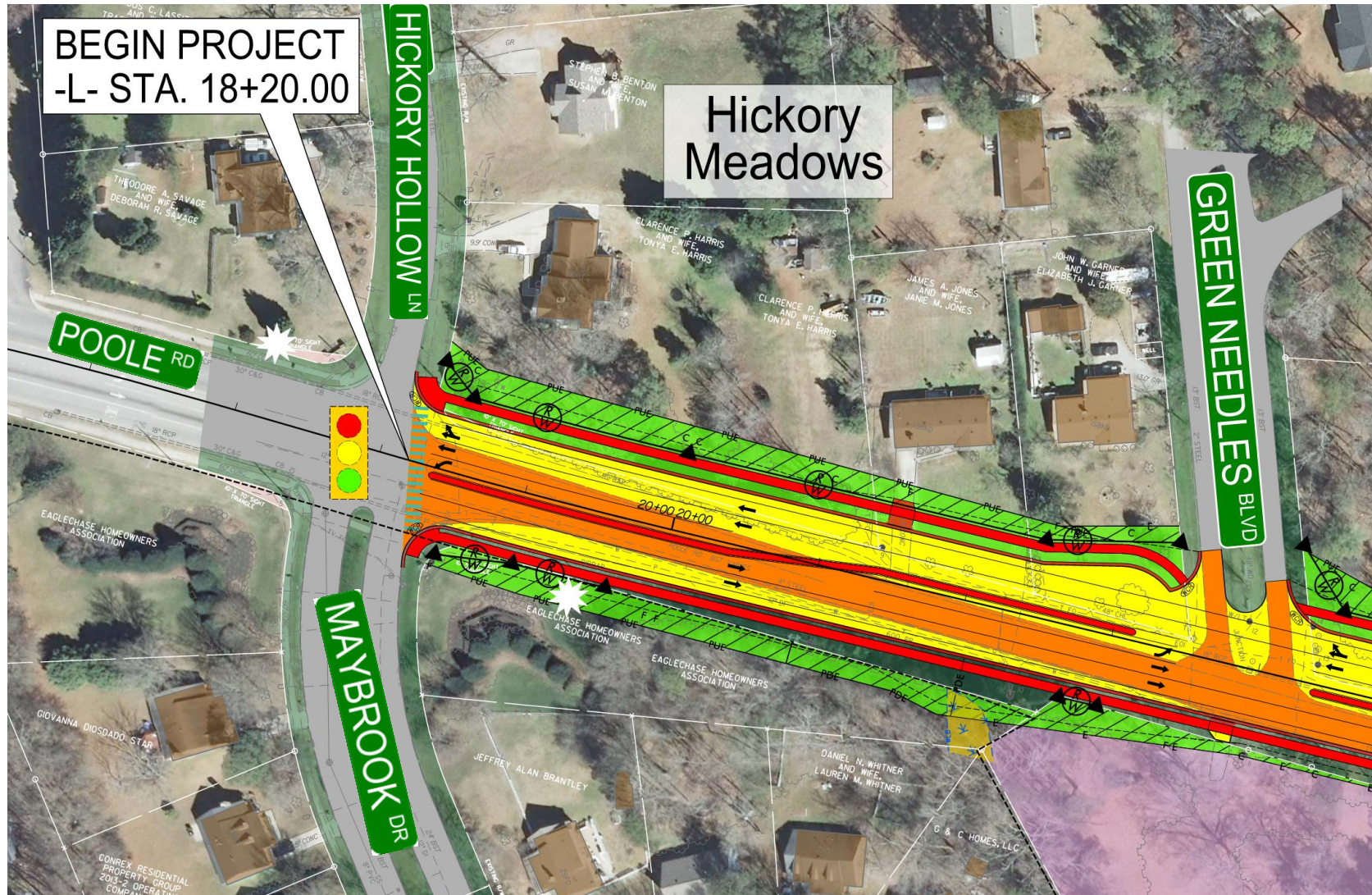


- Traffic Signals at Maybrook, Barwell
- HAWK Signal Between Signals

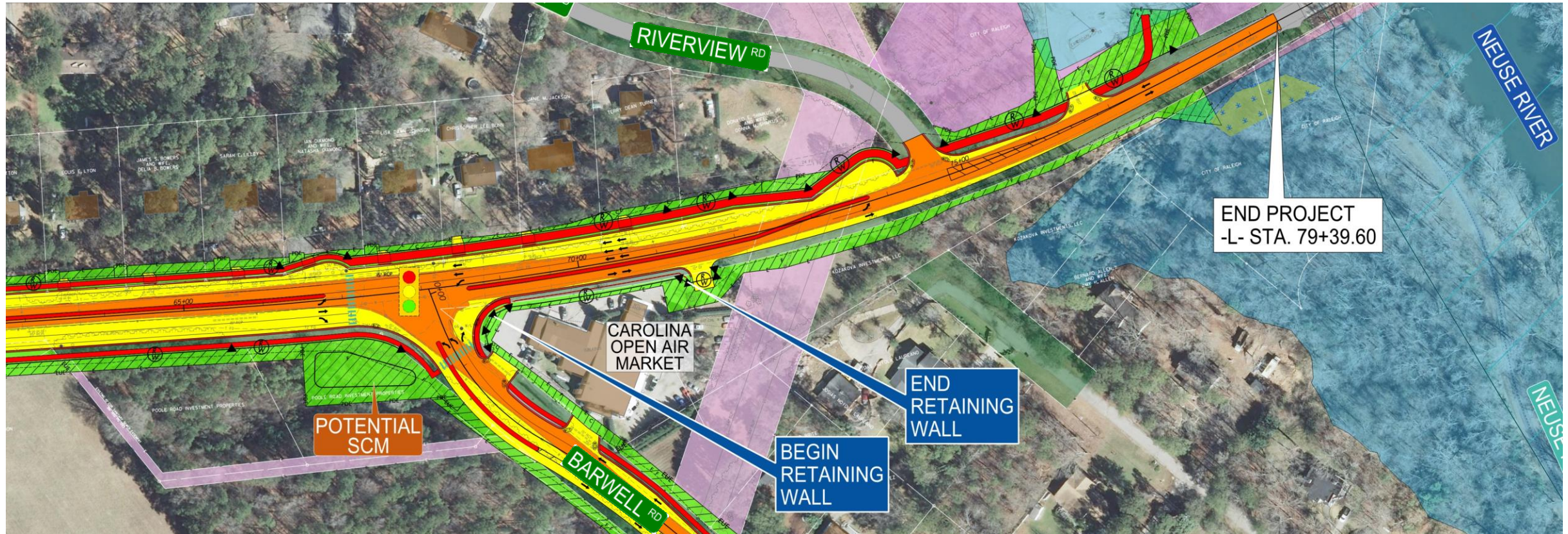


DRIVERS...		PEDESTRIANS...	
...will see this	...will do this	...will see this	...will do this
	Proceed with Caution		Push the Button to Cross
	Slow Down (Pedestrians have activated the push button)		Wait
	Prepare to Stop		Continue to Wait
	STOP! (Pedestrians in Crosswalk)		Start Crossing
	STOP! Proceed with Caution if Clear		Continue Crossing
	Proceed if Clear		Push the Button to Cross

Pooler Road Widening Design Highlights



Pooler Road Widening Design Highlights



Poole Road Widening Planting Palette



Planting Objectives

- Low Maintenance, Native, Naturalized
- Provide Visibility
- Provide Adequate Sight Distance
- Avoid Utilities



Prairie Dropseed



Little Bluestem



Coneflower



Black-Eyed Susan



Fringe Tree



Eastern Redbud



Dogwood



Ironwood



Black Gum



Nuttall Oak



Eastern Red
Cedar



Poole Road Widening Funding & Schedule



- Estimated Project Cost
 - \$10.8 Million Including Construction and Right-of-Way

- Project Schedule
 - 25% Plans Submitted August 1, 2018
 - Right-of-Way Acquisition – Begins Spring 2019
 - Award Construction Contract – Early 2020
 - Construction Completion – Late 2021

- We Want Your Feedback
 - Comment Forms Tonight or by Mail
 - Online at <https://publicinput.com/3235>





Questions?