Poole 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
➢ 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
Poole Road Widening
Median Benefits

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

<table>
<thead>
<tr>
<th>DRIVERS...</th>
<th>PEDESTRIANS...</th>
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<tbody>
<tr>
<td><img src="image1" alt="Traffic Signals" /></td>
<td><img src="image2" alt="Pedestrian Signals" /></td>
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<table>
<thead>
<tr>
<th><img src="image1" alt="Traffic Signals" /></th>
<th><img src="image2" alt="Pedestrian Signals" /></th>
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</thead>
<tbody>
<tr>
<td><img src="image3" alt="Green Light" /></td>
<td><img src="image4" alt="Start Crossing" /></td>
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<tr>
<td><img src="image5" alt="Yellow Light" /></td>
<td><img src="image6" alt="Continue to Wait" /></td>
</tr>
<tr>
<td><img src="image7" alt="Red Light" /></td>
<td><img src="image8" alt="Stop! (Pedestrians)" /></td>
</tr>
<tr>
<td><img src="image9" alt="Stop! (Drivers)" /></td>
<td><img src="image10" alt="Continue Crossing" /></td>
</tr>
<tr>
<td><img src="image11" alt="Proceed with Caution" /></td>
<td><img src="image12" alt="Push Button to Cross" /></td>
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<tr>
<td><img src="image13" alt="Slow Down" /></td>
<td><img src="image14" alt="Wait" /></td>
</tr>
<tr>
<td><img src="image15" alt="Prepare to Stop" /></td>
<td><img src="image16" alt="Continue to Wait" /></td>
</tr>
<tr>
<td><img src="image17" alt="Proceed if Clear" /></td>
<td><img src="image18" alt="Push Button to Cross" /></td>
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Poole Road Widening
Design Highlights

BEGIN PROJECT -L- STA. 18+20.00

HICKORY MEADOWS

GREEN NEEDLES BLVD

POOLE RD

MAYBROOK TRL
Planting Objectives

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

Poole Road Widening
Planting Palette

Fringe Tree
Eastern Redbud
Dogwood
Ironwood
Black Gum
Nuttall Oak
Eastern Red Cedar

Prairie Dropseed
Little Bluestem
Coneflower
Black-Eyed Susan
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?