Tonight’s Agenda

6:00 – 6:30 PM Open Forum
6:30 – 6:45 PM Project Presentation
6:45 – 7:00 PM Question & Answer
7:00 – 7:30 PM Open Forum
Engineering Services

Carolina Pines Avenue
Street Improvements

Roadway Design & Construction
H.W. Lochner, Inc.
Project Location

From Lake Wheeler Rd. to S. Saunders St.

Carolina Pines Park & Community Center
Existing Conditions

- 2-lane rural section
- Rolling terrain
- Residential development
- City transit line
- Public/Private utilities
- RR crossing
Proposed Design – Typical Section

2-lane curb & gutter, 6’ sidewalk, and 10’ multi-use path
Project Purpose

- Improve mobility and connectivity
  - Pedestrians
  - Bicycles
  - Vehicles

- Improve safety
  - Reduce speeds
76 percent of respondents were non-transit riders.
69 percent of respondents favored a roundabout at Lake Wheeler Road.
Roundabout Safety vs Conventional Intersections

Source: FHWA and IIHS
93 percent of respondents favored a multi-use path.
68 percent of respondents favored mini-roundabouts to help slow traffic along the corridor.
Based on public comments we plan to expand the scope to include the end of Henslowe Dr.
Design Elements - Roundabouts
Design Elements - Roundabouts
Design Elements – Traffic Calming
Design Elements – Traffic Calming
Design Elements – RR Crossing
Design Elements – RR Crossing
Design Elements – Transit Stops
Design Elements – Boardwalk
The design includes a boardwalk over a section of Carolina Pines Lake.
Public Engagement

• Pre-Design Meeting (Spring 2019)
• BPAC Meeting (Spring 2019)
• Preliminary (25%) Design Meeting (Fall 2019)
• Advanced (65%) Design Meeting (Spring 2020)
Project Cost

- Construction - $7,650,000
- Right-of-Way - $2,950,000
- TOTAL $10,600,000
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<thead>
<tr>
<th>Date</th>
<th>Description</th>
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<tbody>
<tr>
<td>Fall 2019</td>
<td>25% Public Meeting</td>
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<tr>
<td>Winter 2020</td>
<td>65% Plan Development</td>
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<tr>
<td>Spring 2020</td>
<td>65% Public Meeting; Begin ROW Acquisition</td>
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<td>Fall 2020</td>
<td>Complete ROW Acquisition</td>
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<tr>
<td>Fall 2020</td>
<td>Complete Final Construction Plans &amp; Bid Docs.</td>
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<tr>
<td>Winter 2021</td>
<td>Begin Construction (2-year Duration)</td>
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Questions?