

## Conceptual Improvements



Example of Crossing Closure



Example of Grade Separation



Example of Concrete Median with Bollards



Example of Four-Quadrant Crossing



# MEBANE TRAFFIC SEPARATION STUDY

Public Meeting 2

April 18, 2017

### Purpose of the Workshop

- To provide information related to the proposed conceptual improvements for each of the crossings.
- To discuss any concerns and answer questions on the proposed concept.
- To provide a forum to receive comments on the proposed project.

### Open House Format

- The workshop is an “open house” style format from 5 — 7 p.m. Staff are available to discuss the project with you and answer your questions.
- Displays showing the project related information are stationed around the room.
- Comment forms are available and can be filled out tonight or returned by mail or email as stated on the comment form by May 18, 2017.

### Project Information

[www.ncdot.gov/projects/publicmeetings/](http://www.ncdot.gov/projects/publicmeetings/)

### Project Contact

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### Project Description:

The N.C. Department of Transportation Rail Division, in cooperation with the City of Mebane and Norfolk Southern (NS) has retained the firm of WSP | Parsons Brinckerhoff (PB) to conduct a Traffic Separation Study (TSS). The study will evaluate 8 rail-highway at-grade crossings. This includes:

- Buckhorn Road
- N.C. 119 (Fifth Street)
- South Third Street
- Lake Latham Road
- Mattress Factory
- Fourth Street
- Moore Road
- Gibson Road

On average 16 trains operate per day along the corridor between freight and passenger rail.



### What is a TSS?

- A comprehensive evaluation of traffic patterns and road usage within a rail corridor.
- The purpose is to determine the need for improvements and/or elimination of public at-grade crossings to improve safety and mobility for:
  - Motorists
  - Rail passengers
  - Pedestrians
  - Train crews
- Improvements may include, but are not limited to:
  - Crossing closures and consolidations
  - Adding or upgrading warning devices
  - Roadway improvements
  - Pedestrian crossings
  - Elimination of sight obstructions
  - Grade separations (bridges over tracks or tracks over roadway)

### Next Steps

Conduct 30-day public comment period

Third Stakeholder Meeting

Present to City of Mebane Council (Council)

Council holds public meeting

Council adopts the TSS

## Conceptual Improvements

Crossing Location		Recommendation		
		<b>Option 1:</b>	<b>Option 2:</b>	<b>Option 3:</b>
<b>Buckhorn Road</b>	Grade separation at Buckhorn Road and connection with a new road over the railroad to U.S. 70	Grade separation with a roundabout at Buckhorn Road and Industrial Drive and connection to S. Frazier Road	Grade separation with a roundabout at Buckhorn Road and Industrial Drive and new road over the railroad to U.S. 70	
<b>Mattress Factory</b>	No grade crossing recommendations at this time			
		<b>Option 1:</b>	<b>Option 2:</b>	<b>Option 3:</b>
<b>Fifth Street</b>	<ul style="list-style-type: none"> <li>- Install 5' sidewalk on the east side of S. Fifth Street and asphalt path between the ends of the concrete sidewalk</li> <li>-Install stop bar away from the track</li> <li>-Remove the existing concrete sidewalk on the west side of the crossing and install decorative fence</li> </ul>	<ul style="list-style-type: none"> <li>- Install 8' sidewalk on the east side of S. Fifth Street and asphalt path between the ends of the concrete sidewalk</li> <li>-Incorporate right turn lane on S. Fifth Street with the through lane to provide 8' sidewalk</li> <li>-Install stop bar away from the track</li> <li>-Remove the existing concrete sidewalk on the west side of the crossing and install decorative fence</li> </ul>	<ul style="list-style-type: none"> <li>- Install 8' sidewalk on the east side of S. Fifth Street and asphalt path between the ends of the concrete sidewalk</li> <li>-Install stop bar away from the track</li> <li>-Install center median along S. Fifth Street to prevent left turns</li> <li>-Tied to Option 2 for Fourth Street</li> </ul>	
		<b>Option 1:</b>	<b>Option 2:</b>	
<b>Fourth Street</b>	Close existing grade crossing	-Tied to Option 3 for Fifth Street	-Existing at-grade crossing remains open	
			-Install an asphalt path between the ends of the concrete sidewalk	
			-Decorative fencing is proposed, along south side of railroad corridor	
<b>South Third Street</b>	<ul style="list-style-type: none"> <li>- Install a stop bar away from the track to prohibit people from crossing when a train is approaching.</li> <li>- Install an asphalt path between the ends of the concrete sidewalk</li> <li>- Decorative fencing is proposed, along south side of railroad corridor</li> </ul>			
<b>Moore Road</b>	Install a concrete island in the median and adjust gate arm to terminate at the island			
<b>Lake Latham Road</b>	Existing crossing will remain open until NCDOT Highway Project U-3109 "Relocation of N.C. 119 is constructed.			
<b>Gibson Road</b>	Install a concrete island in the median and adjust gate arm to terminate at the island			
		<b>Option 1:</b>	<b>Option 2:</b>	
<b>Pedestrian Crossings</b>	Underpass would need to span E. Washington Street, the tracks, and U.S. 70	Overpass bridge would need to span E. Washington Street, the tracks, and U.S. 70		