



Durham Traffic Separation Study

December 2012 Update

A Joint Study Between the City of Durham,
NCDOT, Triangle Transit, and
Norfolk Southern Railway



Status Update

- ❑ November 22, 2011 – Council Work Session
- ❑ November 28 – 29, 2011 & December 1, 2011 – Visioning Public Workshops

- ❑ Phase I (Downtown Focus)
 - April 2012 Downtown Pedestrian Improvements Presented to Stakeholders
 - Recap of Activities
 - Alternatives Developed
 - Stakeholder Response

- ❑ Phase 2 (Full Corridor)
 - October 15, 2012 – Funding Partner Review Meeting





Outreach Efforts

□ Community Group Briefings

- Partners Against Crime (PAC) District 5 (Downtown)
- PAC District 1 (East Durham)
- El Centro Hispano
- Durham InterNeighborhood Council
- Immaculate Conception Church Hispanic membership





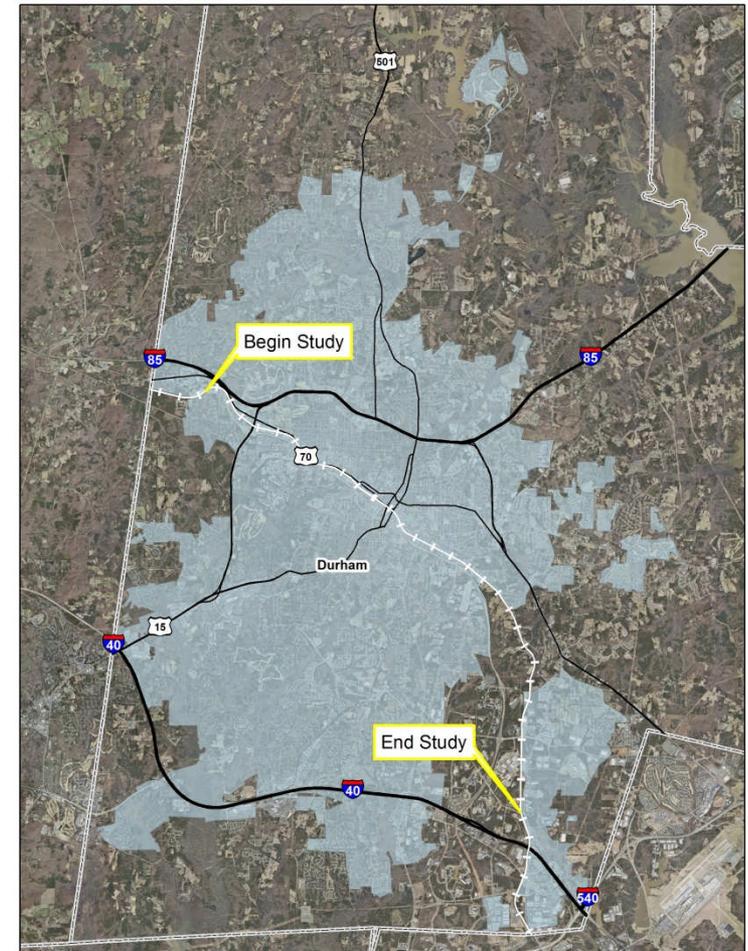
Outreach Efforts

- Key leader interviews held with:
 - Uplift East Durham
 - El Centro Hispano
 - Northeast Central Durham
 - Immaculate Conception Church
 - First Presbyterian Church
 - Durham Congregations Associations and Neighborhoods
 - North East Central Durham Livability Initiative Liaison



Durham Study Limits

- ❑ 18 at-grade crossings in Durham County
- ❑ Neal Road to Cornwallis Road
- ❑ Divided into three sections
 - West Section: Neal Road to Buchanan Boulevard
 - Downtown Section: Gregson Street to Driver Street
 - East Section: Ellis Road to Cornwallis Road

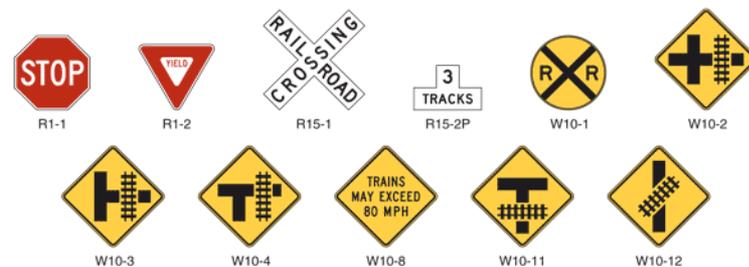




Preliminary Safety Improvements Considered



Figure 5F-1. Highway-Rail Grade Crossing Signs and Plaques for Low-Volume Roads

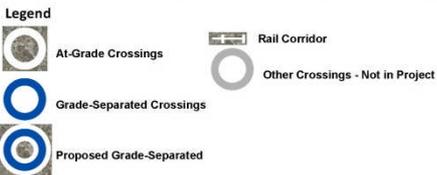


Near-Term (2-5 years)	Mid-Term (5-7 years)	Long-Term (more than 7 years)
Upgraded Crossing Safety Equipment	Gates and Flashers	Grade Separations
Signs and Pavement Markings	Traffic Signals	Crossing Closures
Medians and Barriers	Medians and Barriers	Pedestrian Underpass
Bike and Pedestrian Improvements		



Preliminary Long-Term Alternatives (more than 7 years)

- Key Points:
 - All preliminary alternatives are subject to stakeholder and public review and comment.
 - Grade separations, if recommended, would be embarked upon based on a priority basis as funding becomes available.
 - Conceptual level cost estimates and cost benefit analysis will be included with the final study recommendations.



Durham Traffic Separation Study

Section 1

Durham County, North Carolina





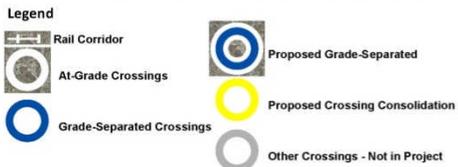
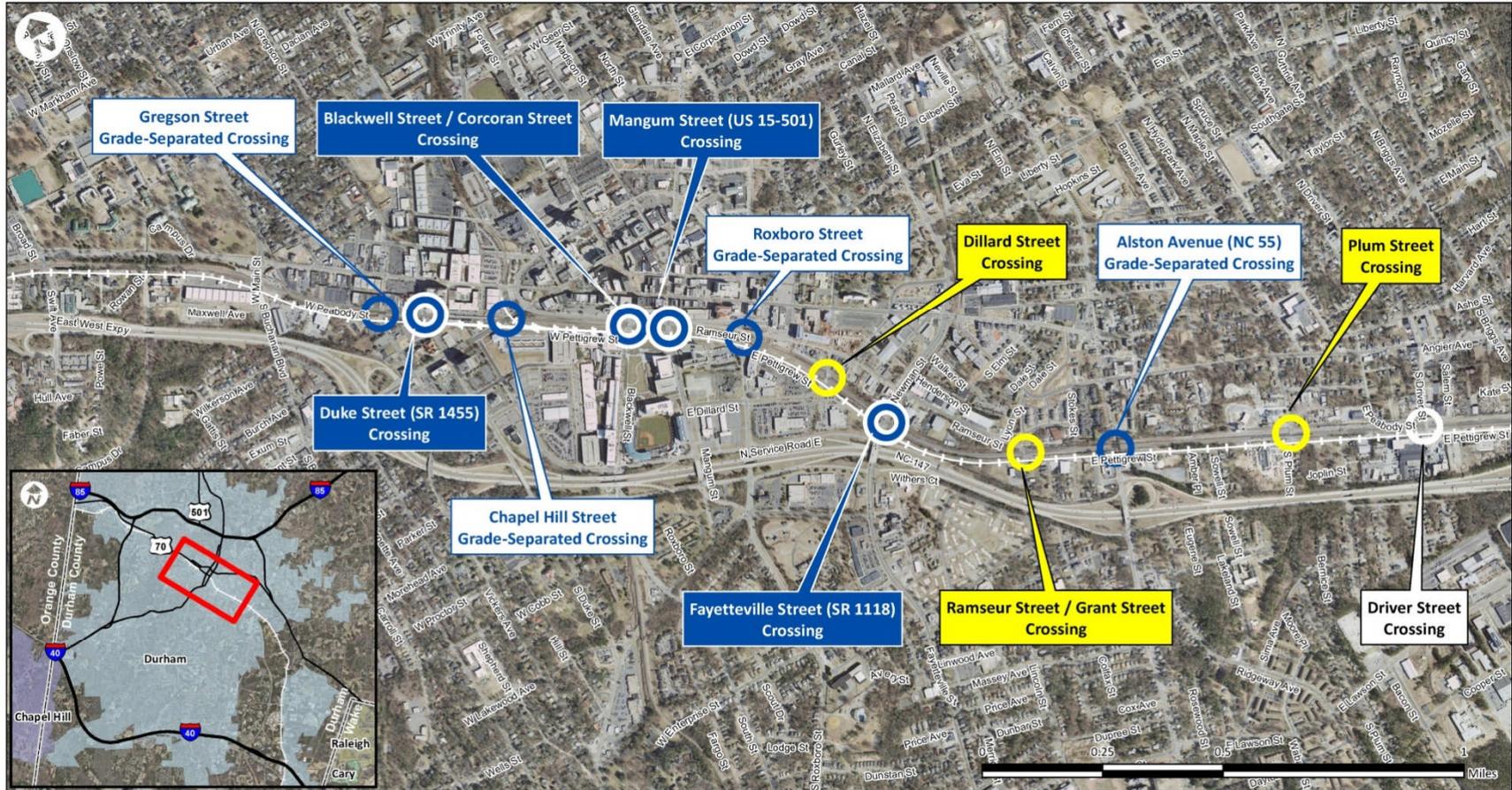
Section 1 Preliminary Near and Mid-Term Alternatives (2-7 years)

Crossing Name	Pvmt. Mrks.	Warning Signs	Signal Upgrade	Asphalt / Sidewalk	Median Barrier
Neal Road					
N. LaSalle Street		X			X
Anderson Street	X				
Swift Avenue	X	X	X	X	
Buchanan Boulevard				X	



Section 1 Preliminary Long-Term Alternatives (more than 7 years)

Crossing Name	Grade Separation	Crossing Consolidation	Pedestrian Underpass	Widen Crossing to add Median
Neal Road	X			X
N. LaSalle Street	X			
Anderson Street	X			
Swift Avenue	X			
Buchanan Boulevard				



Durham Traffic Separation Study Section 2 Durham County, North Carolina





Section 2 Near to Mid-Term Alternatives (2-7 years)

Crossing Name	Pvmt. Mrks.	Pedestrian Lighting	Signal Upgrade	Asphalt/ Sidewalk	Median Island	Resurface	Repaint Bridge
Duke Street	X			X			
Chapel Hill Street	X		X	X	X		X
Blackwell / Corcoran St.	X	X	X	X		X	
Mangum Street	X	X		X		X	
Roxboro Street		X		X		X	X
Dillard Street	X			X			
Fayetteville Street	X						
Ramseur Street							
Plum Street							
Driver Street							



Section 2 Long-Term Alternatives (more than 7 years)

* Possible Mid Term Alternative

Crossing Name	Grade Separation	Crossing Consolidation	Pedestrian Underpass	Remove / Replace Existing Bridge
Duke Street	X			
Chapel Hill Street				X *
Blackwell / Corcoran Street	X			
Mangum Street	X			
Roxboro Street				X
Dillard Street		X	X	
Fayetteville Street	X			
Ramseur Street		X	X	
Plum Street		X	X	
Driver Street				



- Legend**
- Rail Corridor
 - At-Grade Crossings
 - Grade-Separated Crossings
 - Proposed Grade-Separated
 - Consolidated Crossing
 - Other Crossings - Not in Project

Durham Traffic Separation Study
Section 3
 Durham County, North Carolina





Section 3 Preliminary Near and Mid-Term Alternatives (2-7 years)

Crossing Name	Pvmt. Mrks.	Warning Signs	Close Driveway	Asphalt / Sidewalk	Median Barrier
Ellis Road (West)			X		
Glover Road		X			
Wrenn Road					
Ellis Road (East)					
Cornwallis Road	X			X	



Section 3 Preliminary Long-Term Alternatives (more than 7 years)

Crossing Name	Grade Separation	Crossing Consolidation	Close Driveway	Pedestrian Underpass
Ellis Road (West)	X			
Glover Road	X			
Wrenn Road		X		
Ellis Road (East)	X			
Cornwallis Road	X			



Upcoming Activities

- ❑ January 15, 2013 – Stakeholder Meeting to Review Alternatives
- ❑ February/March 2013 – Public Meetings
 - ❑ Alternatives report will be available to Council prior to the public meeting.
- ❑ April 2013 – Stakeholder Meeting to Discuss Public Comments
- ❑ May 2013 – Final Recommendations Complete
 - ❑ Recommendations to include conceptual level costing and potential funding options.
- ❑ August 2013 – Public Hearing (City Council)



Questions

