

CRISP

Presented by NCDOT Rail Division October 2009





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Presentation:

Project Purpose and Need CSXT/NS Mainline Separation Project NS Mainline Improvements South NS Mainline Improvements North Other Area Projects □ Funding/Timeline □ Next Steps

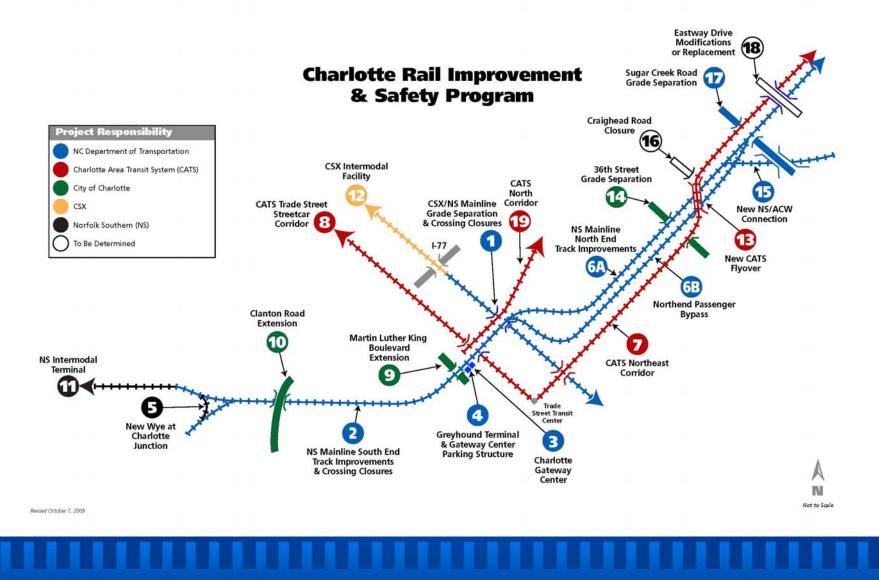
Purpose of CRISP:

- Modernize existing track infrastructure in and around Charlotte, with a planning/design window of 50 years
- Improve speed and capacity of rail infrastructure in Charlotte to help implement Southeast High Speed passenger rail service
- Improve safety and efficiency of freight commerce (NS, CSXT) and transit (CATS)
- Improve safety for vehicles and pedestrians
- Improve environment and local quality of life

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3

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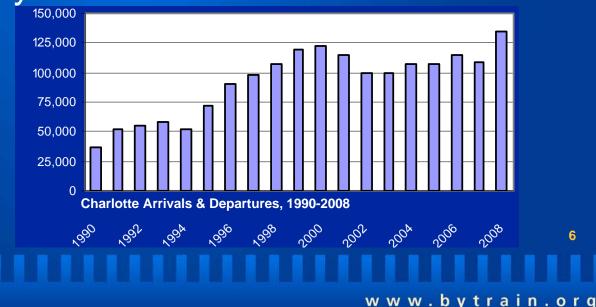
Program Need:

Congestion: Vehicle Miles Traveled (VMT) outpacing population growth in NC
Freight railroads anticipate continued growth, esp. via intermodal containers from ports



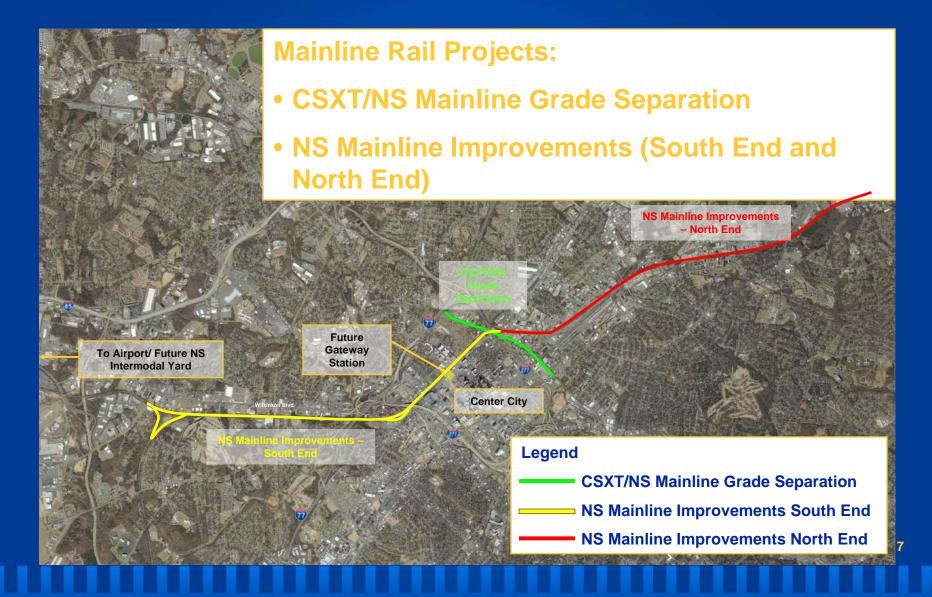
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Program Need: Charlotte intercity passenger rail ridership increased 370% since 1990 □ HSR would add 1M+ annual passenger trips □ USDOT Study: SEHSR would produce more revenue than any other HSR corridor



6

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CSXT / Norfolk Southern Mainline Rail Grade Separation

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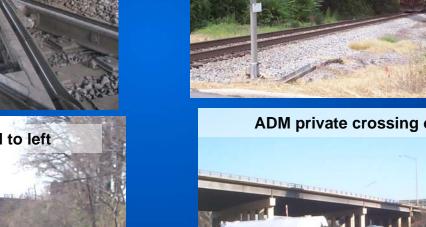
Mainline Grade Separation



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Existing Conditions -- CSXT







ADM private crossing of CSXT



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Existing Conditions -- NS



NS looking south, through ADM site



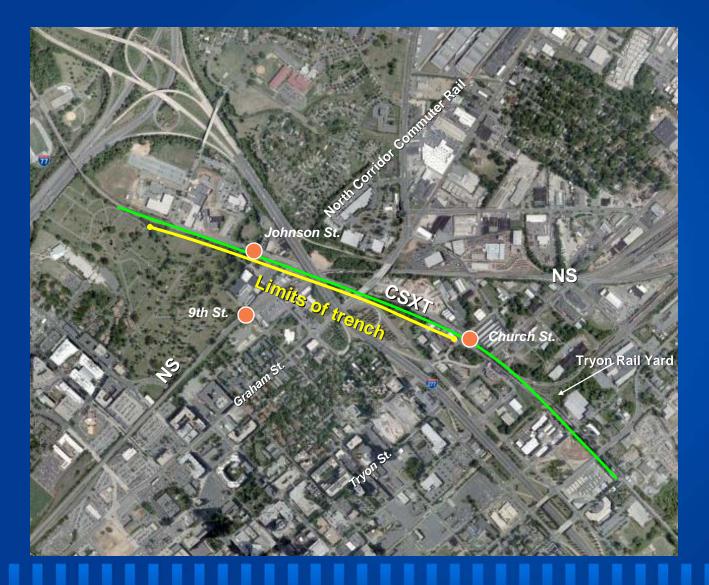




NS looking north through ADM



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- Place CSXT in trench below NS, CATS North Corridor
- Detour tracks needed for CSXT and NS
- Closure of crossings at 9th St, Johnson St, Church St
- Relocation of CSXT yard
- Modifications to ADM Mill

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Why Grade Separate Railroads? NS Freight and Intermodal growth CSXT Freight and Intermodal growth □ Safety Quality of Life **Emissions** Noise Delays CSXT

Autos and crossings

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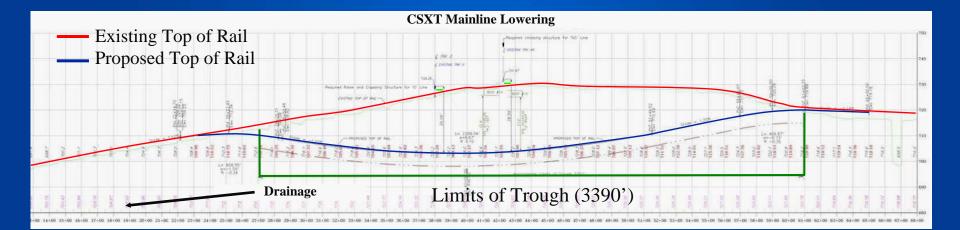
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Why Grade Separate Railroads? Number of Trains Crossing Diamonds

	Current	2015
NS	34	50
CSXT	14	20
Amtrak	2	10
Total	50	80

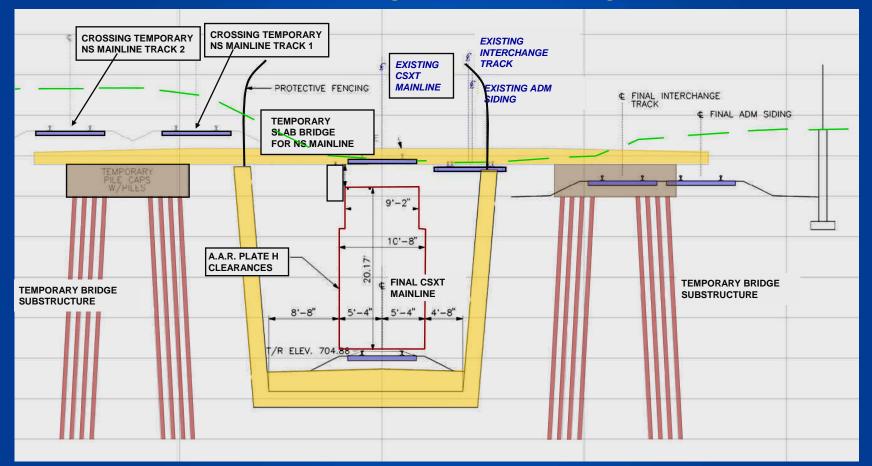
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CSXT/NS Grade Separation – Proposed Plan



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CSXT/NS Grade Separation – Proposed Plan



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ADM Current Operations





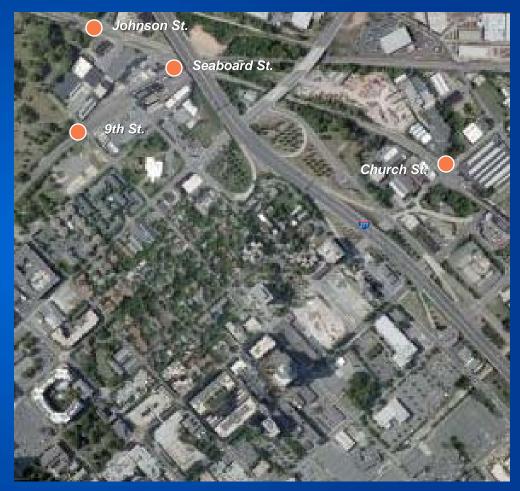
- Largest and oldest ADM mill in South
- □ Operates 24/7/365
- Capacity of 1.3 million lbs. of flour every 24 hours
- Adjacent to busiest RR corridors in the state

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Crossing Closures

- Seaboard/Smith Street – closed 2008
- 9th Street (closure underway)
- Johnson Street to be closed when trench constructed
- Church Street (plans underway; must be closed with trench)



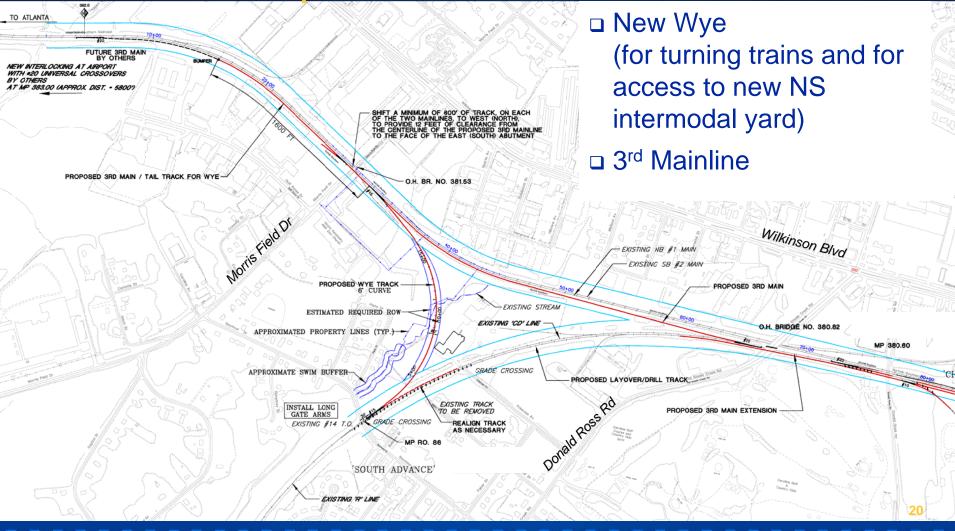
18

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NS Mainline Track Improvements South End

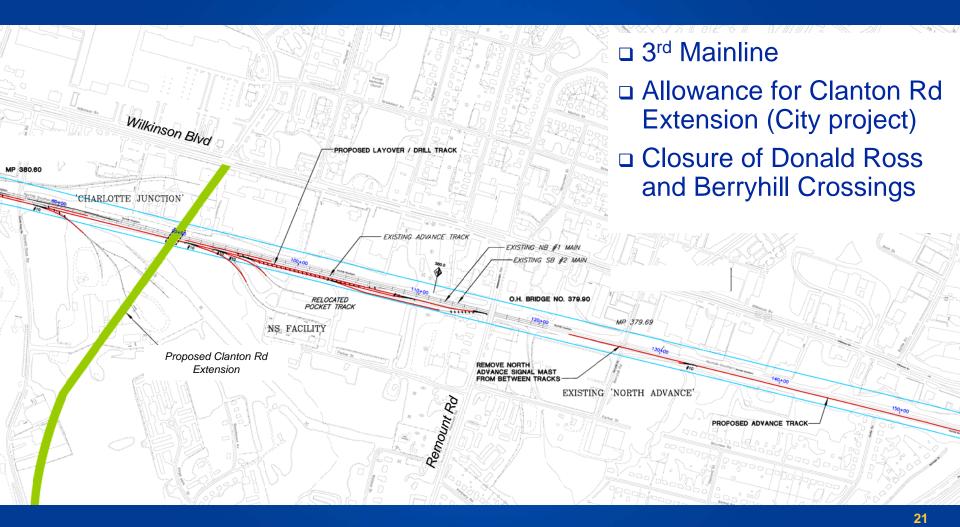
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NS Improvements – South End



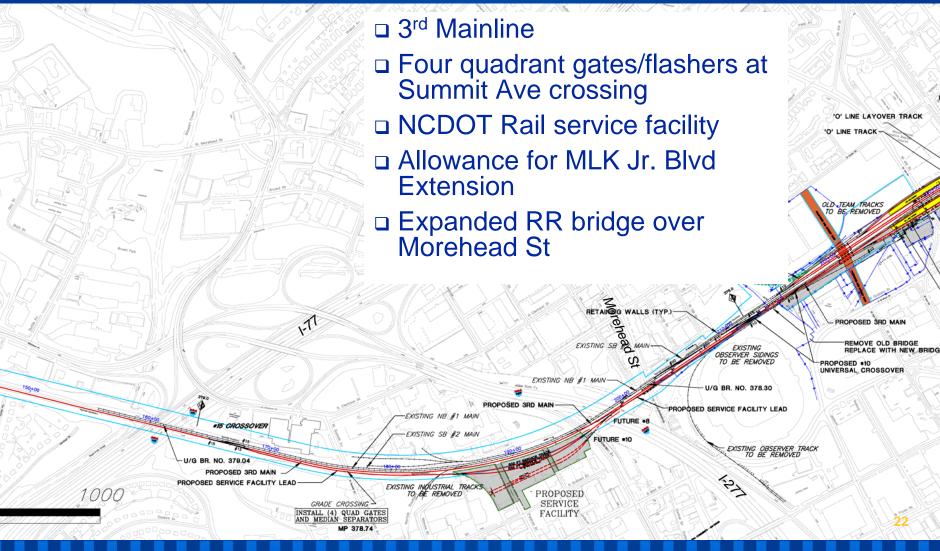
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NS Improvements – South End



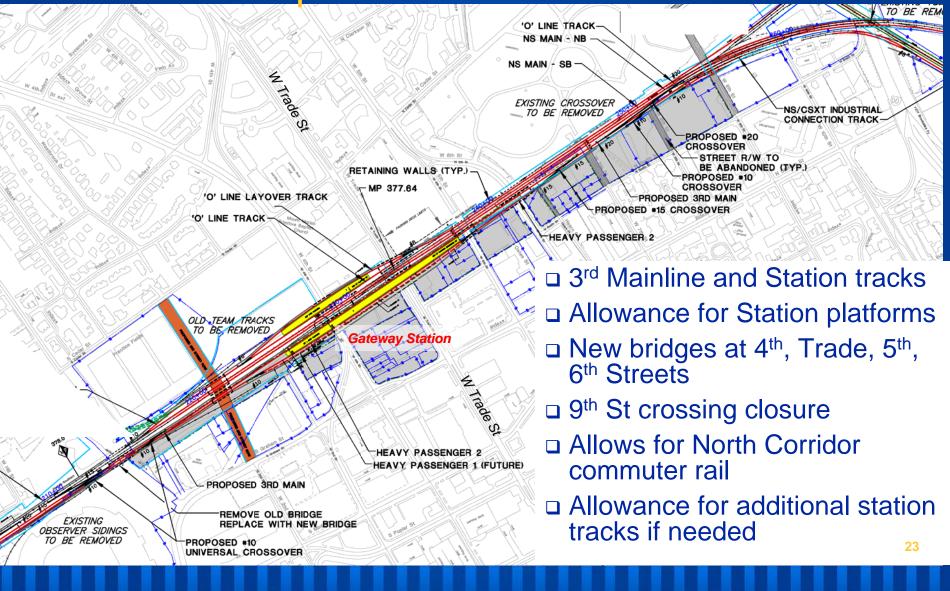
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NS Improvements – South End



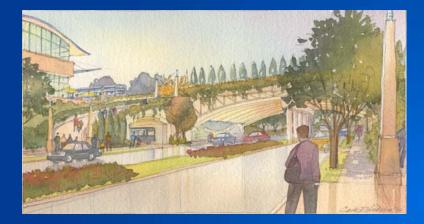
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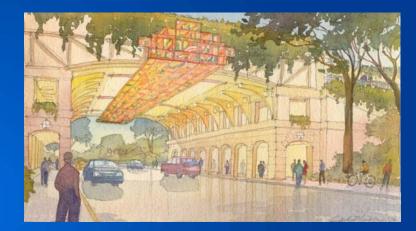
NS Improvements – South End



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NS Improvements – South End New Rail Bridges – Center City





24

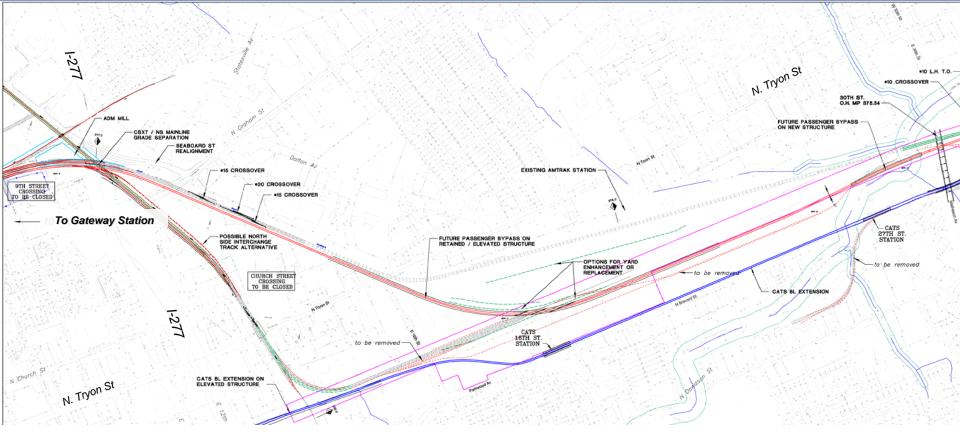


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NS Mainline Track Improvements North End

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NS Improvements – North End



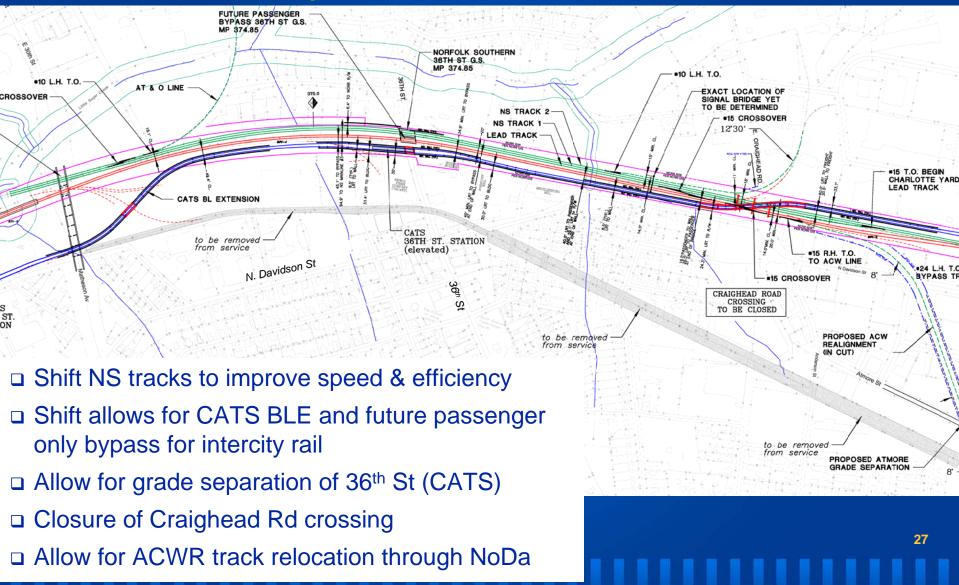
 First phase: passenger trains share existing NS tracks and addition of 3rd mainline

Second phase: passenger only bypass tracks constructed

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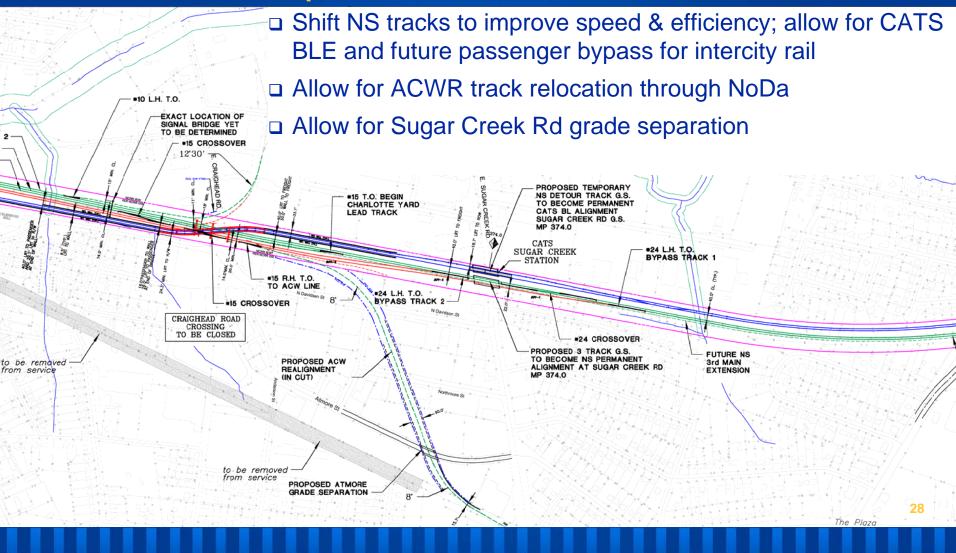
NS Improvements – North End



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NS Improvements – North End



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NS Improvements – North End

- Shift NS tracks to improve speed & efficiency; allow for CATS BLE and future passenger bypass for intercity rail
- Reconstruct Eastway Dr bridge to accommodate BLE and shift in NS tracks



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Coordination with other area projects:

- CATS North Corridor
- CATS Blue Line Extension
- Clanton Road Extension (grade separation) closure of Donald Ross Rd crossing
- NS intermodal yard moved to Charlotte/Douglas Airport
- CSXT intermodal yard expansion
- □ MLK Jr. Boulevard Extension
- Back Creek Church Rd & McLean Rd RR Crossing improvements
- Double track Orr Rd to Concord

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Project Funding:

Requested ARRA (Stimulus) funding
Other HSR funds

Project Timeline:

- CSXT/NS mainline separation 2010 -2015
- □ NS South improvements 2013 2017
- □ NS North improvements 2013 2017

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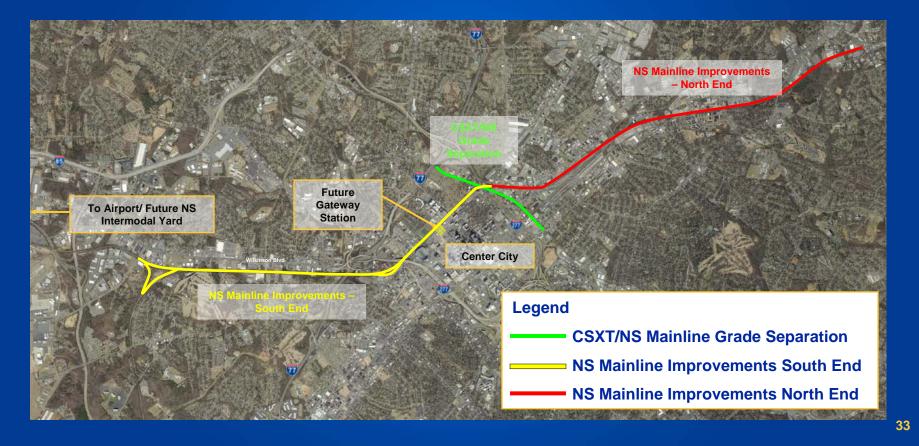
Next Steps:

Continue planning efforts; revise cost estimates

Learn status of ARRA Funding early 2010

Complete environmental documents and begin final design work for CRISP early 2010

Questions?



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