



North Carolina Train Host Association Annual Meeting

March 5, 2016

Rail Division Update

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Good Stations + Right Location Impact Ridership

Building the Bookends of NC By Train Service

- Raleigh Union Station (RUS) – a new train station in a renovated downtown warehouse – is set to open in 2017.
- January 4, 2016 – Notice to Proceed on construction of station and site issued by City of Raleigh



RUS Visualization



RUS Groundbreaking

- Planning and design is underway for a multi-modal transportation center in downtown Charlotte – Charlotte Gateway Station – which will consolidate a variety of transportation options in a central facility
- Federal/State/Local funding partnerships make these large projects feasible.

Raleigh Union Station Update

Agency Funding	Funding
Federal TIGER Grant	\$26.5M
NCDOT TIGER 2012 Match	\$9M
Federal TIGER 2013 Grant	\$11.5M
City of Raleigh TIGER 2013 Match	\$10.25M
Federal ARRA Grant	\$15M
City of Raleigh	\$15.7M

- Being built as Partnership with City of Raleigh
- Federal, State & Local funding

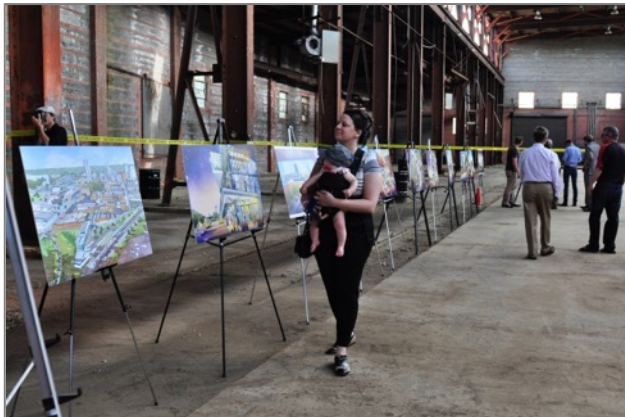


*Raleigh Union Station
Value Engineering Process*

Raleigh Union Station Update

What the new station means for passengers:

- Passenger waiting area increases from 1,800 to 9,200 square feet
- The center island platform to be level with the train doors – passengers will not need steps or wheelchair lifts
- Longer platform will serve longer trains
- RUS designed to accommodate current and future demand for intercity passenger rail, commuter rail, buses, taxis, bicycles



Raleigh Union Station Update

How the new station location and tracks will impact other train traffic:

- Current station location – passenger trains block the mainline railroad track for passengers to board
- Freight and other passenger trains must stop and wait for the train to finish boarding passengers and move on
- New track design:
 - Two dedicated tracks for passenger trains stopping
 - Off mainline tracks – leaving mainline open
 - Less exposure of passengers to live tracks



Raleigh Union Station Update

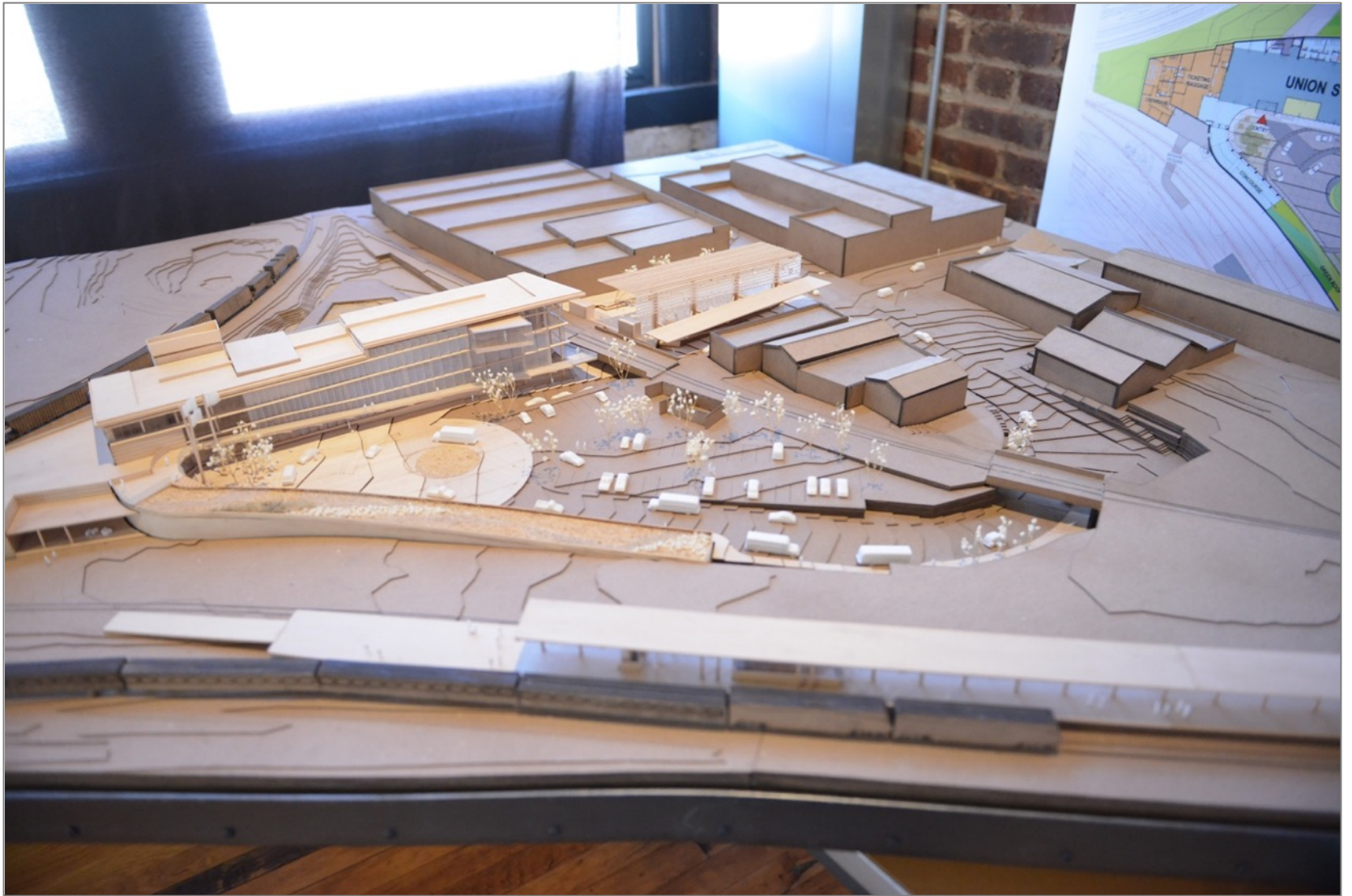
- January 4, 2016 – Notice to Proceed on construction of station and site issued by City of Raleigh
- All work should be completed in 22 months
- Track and signal materials are ordered, and track construction begins in March



*The RUS Core Team:
NCDOT, USDOT, City of
Raleigh, CM (Clancy & Theys
& Skanska), STV and the
Design Team (Clearscapes
and consultants).*

Raleigh Union Station





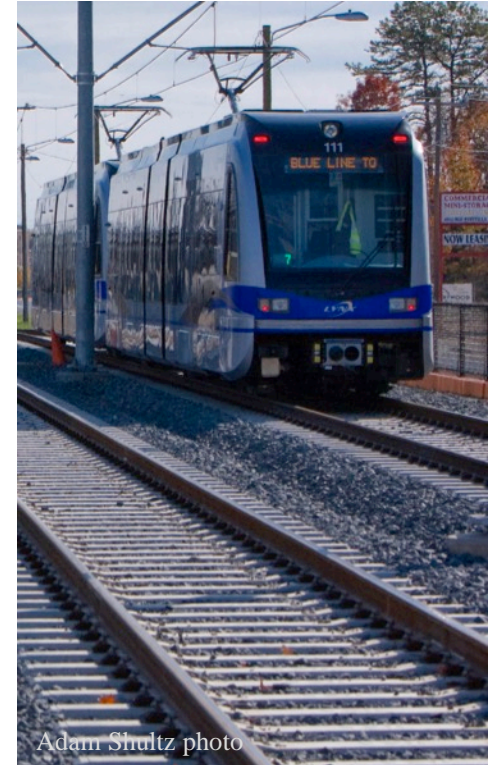
Current Charlotte Station

- Currently station located in 1962 former NS station at 1914 Tryon Street just north of Uptown Charlotte
- Second busiest station in the Southeast with 200k+ passengers a year, eight trains/day
- Location inconvenient for passengers, operations are inefficient and growth potential is limited
- Multimodal connections are limited



New Charlotte Gateway Station

- State and City/Charlotte Area Transit System have been planning since the late 1990s for center city station, modeling with NS
- NCDOT has acquired property to accommodate station, structures and tracks
- Like Raleigh, new plans take trains boarding passengers off of the mainline
- New Uptown station will be designed to accommodate local transit connections



Charlotte Gateway Station Track and Safety Improvements

First Steps: Track and Signal Improvements to relocate current Charlotte passenger train station from the Norfolk Southern (NS) freight yard to Uptown Charlotte

2015 TIGER Grant

TIGER Award	\$25M
Other Match needed	\$27M
Total	\$52M



Status:

- NCDOT and local partners negotiating with USDOT on project scope
- USDOT has advised that grant will be awarded to the City of Charlotte
- Funding source alternatives being investigated, including STI and local
- City of Charlotte committed to match not received through STI

Multimodal Station Area Plan (MSAP) for Charlotte Gateway Station (CGS)

Determines how to best integrate the station into the local, regional, and state transportation network and funding opportunities, including Public/Private Partnerships

Funding:

2014 TIGER Planning Grant

TIGER Award	\$200,000
State Match	\$50,000
Total	\$250,000



Status:

- Notice to Proceed expected 2Q CY 2016 – pending NC Board of Transportation approval
- NCDOT working closely with City of Charlotte/CATS
- Study to be done by Parsons Brinckerhoff
- Completion expected late 3Q CY 2016

New Marketing Initiatives

NCDOT Communications Office has contracted with TRONE BRAND ENERGY for department's marketing initiatives

- New campaign developed for our passenger train service – new direction & new materials
- **Target audiences identified:**
 - Millennials under 30 with no kids
 - Retirees
 - *Secondary:* Event goers with a slight skew towards women and African-American segment



New Marketing Initiatives

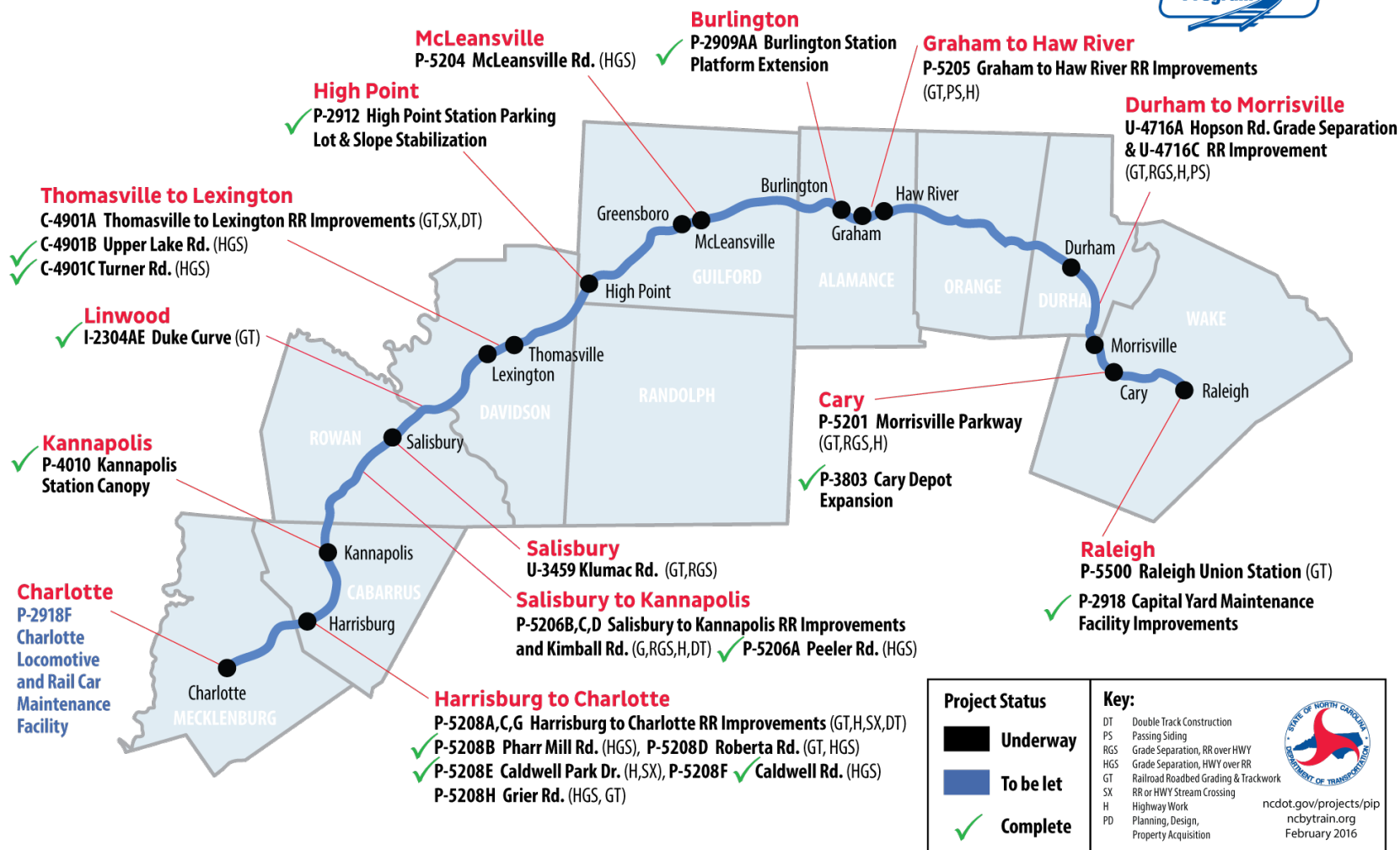


Piedmont Improvement Program (PIP) Components

- 5 Station Improvement Projects
- 2 Locomotive & Rail Car Maintenance Facility Projects
- NC BYTRAIN Passenger Coaches, Locomotives, Cab Control Units
- 12 Grade Separations
- 23 Public Crossing Closures
- 15 Private Crossing Closures
- 2 Passing Sidings (5 miles)
- 3 Double Track Projects (26 miles)



Piedmont Improvement Program Projects



North Carolina's Amtrak – Piedmont Equipment – 7 Locomotives, 11 Railcars, 5 Cab Control Units



Piedmont Improvement Program – Project Status

Work to date:

- 6 bridges completed
- 21 at-grade crossings closed
- Station improvements complete
 - Cary, High Point, Kannapolis, Burlington
- Raleigh Maintenance Facility expansion complete
- 5 locomotives rebuilt, 10 railcars refurbished



What we expect to complete in 2016?

- The remaining 6 bridges and 17 crossing closures
- All passing sidings between Greensboro and Cary
- Majority of the second track construction between Charlotte and Greensboro

In 2017 all PIP Projects will be complete

- All remaining projects between Charlotte and Greensboro
- Charlotte Maintenance Facility and support tracks

Piedmont Improvement Program



Piedmont Improvement Program



Piedmont Improvement Program



Piedmont Improvement Program



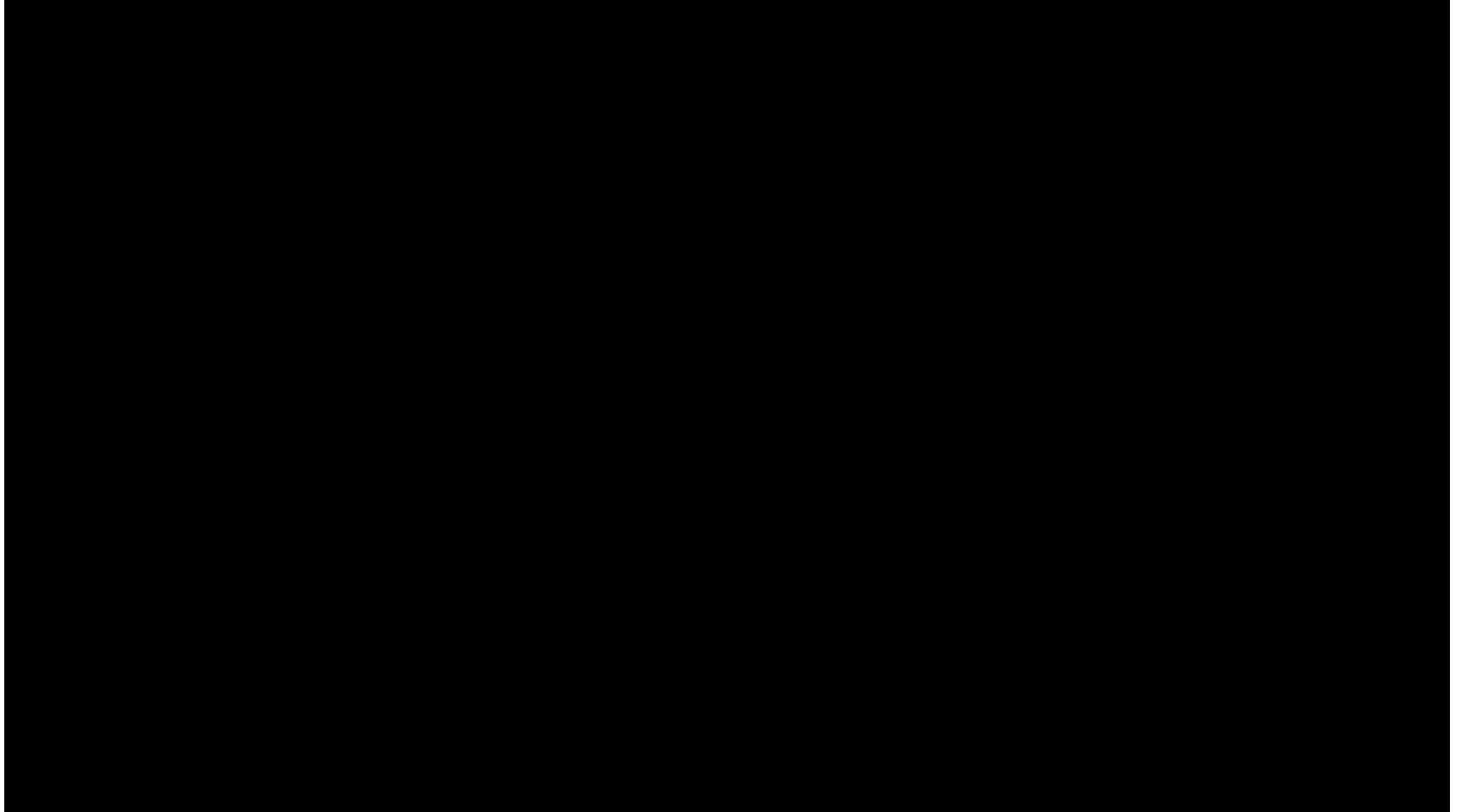
Piedmont Improvement Program



Piedmont Improvement Program



Ride Along the Piedmont Improvement Program



Thank you. Questions?



Adam Shultz photo

