



Commuter Rail Capacity Study

Scott Saylor and David King

April 11, 2014



What is Commuter Rail?



*Music City Star,
Nashville*

- FRA compliant equipment (shared track with NS and CSX freight trains & Amtrak trains)
- Operations focused primarily on peak commuter times.
- Stations generally spaced 2 to 10 miles apart.
- Its NOT light rail (not like CATS BLE in Charlotte)
- Its NOT long distance inter-city (not like Amtrak)

*VRE,
Northern
Virginia*



What is a Corridor Capacity Study?



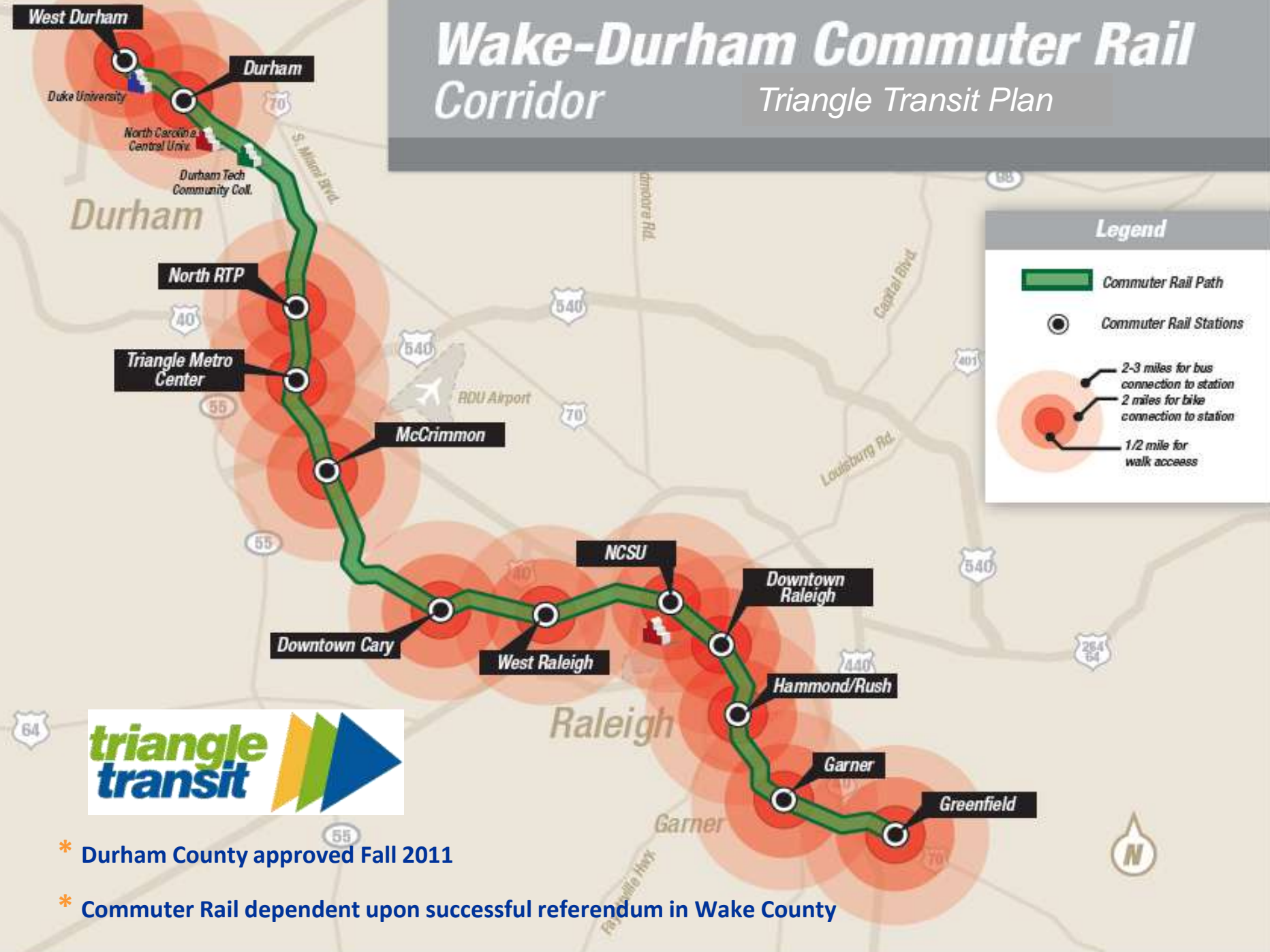
The study consists of...

- NCRR and Triangle Transit have commissioned a study, with the assistance of Norfolk Southern, of how various levels of commuter rail service will impact freight operations
- Will evaluate several operating frequency scenarios
 - 3 am trips, 1 midday trip, and 3 pm trips frequency
 - 4 am trips, 1 midday trip, and 4 pm trips frequency
 - 5 am trips, 2 midday trip, and 5 pm, and 2 evening trips frequency
 - 8 am trips, 2 midday trips, 8 pm trips, and 2 evening trip
- Will focus on ...
 - Mebane to Selma corridor
 - Including the West Durham to East Garner (identified in the Durham and draft Wake County transit plans)



Wake-Durham Commuter Rail Corridor

Triangle Transit Plan



* Durham County approved Fall 2011

* Commuter Rail dependent upon successful referendum in Wake County

North Carolina Railroad Company Corridor

VIRGINIA

TENNESSEE

GEORGIA

SOUTH CAROLINA

-  North Carolina Railroad Company
-  CSX Transportation
-  Norfolk Southern
-  Various Shortlines



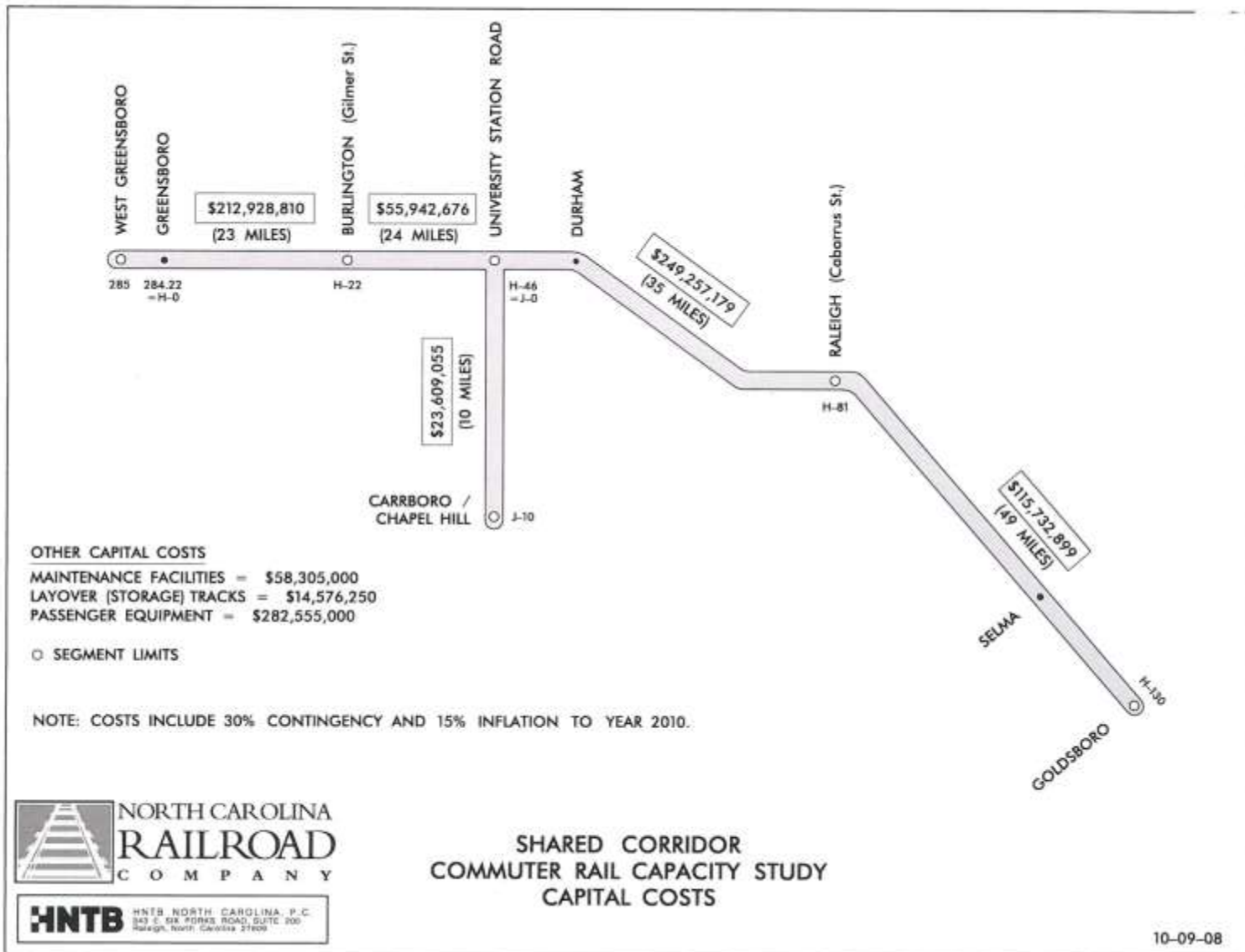
NCRR owns 317 mile railroad corridor and leases it to Norfolk Southern Corporation

NCRR Commuter Rail Capacity Study – 2008

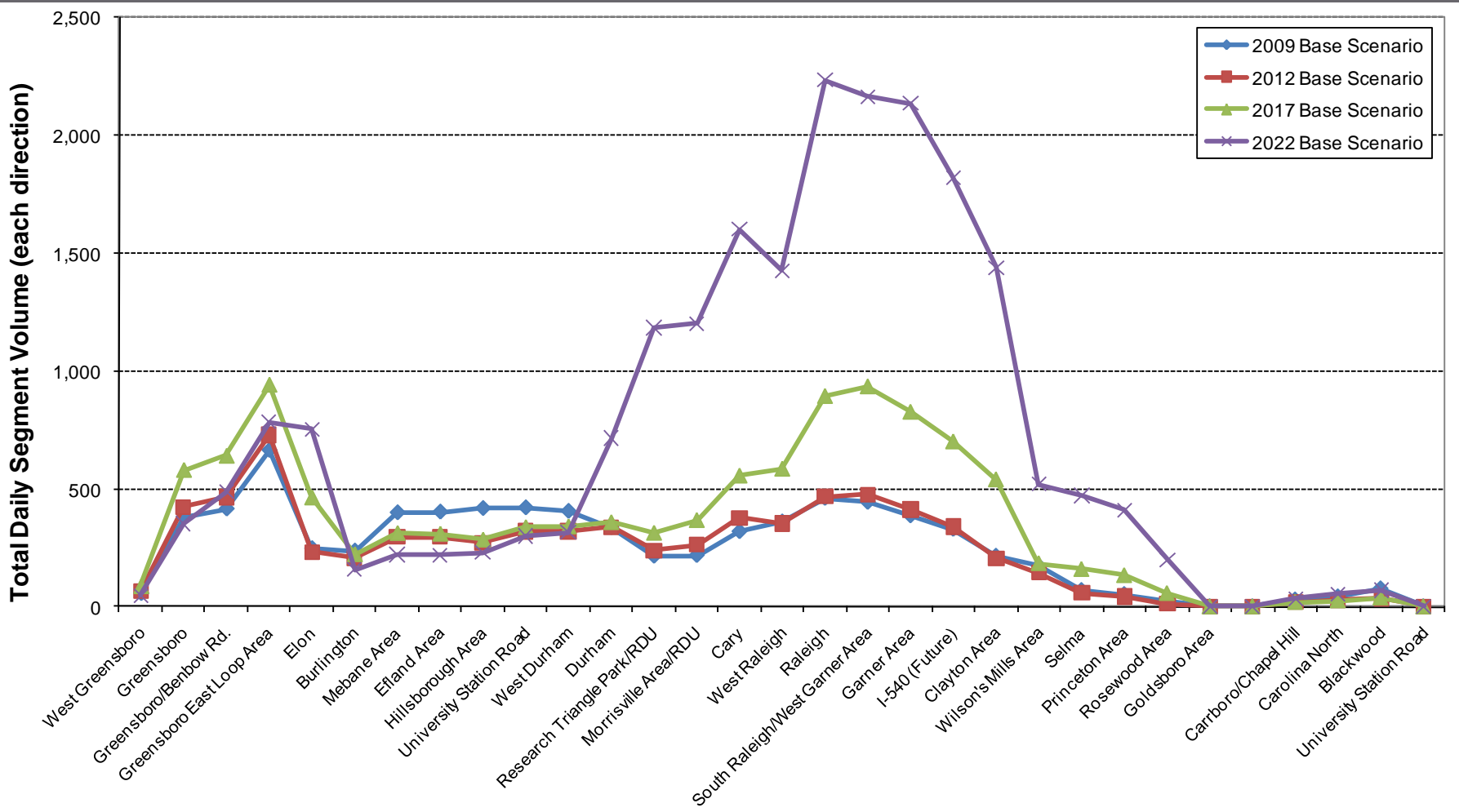
NCRR Commuter Rail Ridership Study - 2010



NCRR Commuter Rail Capacity Study – 2008

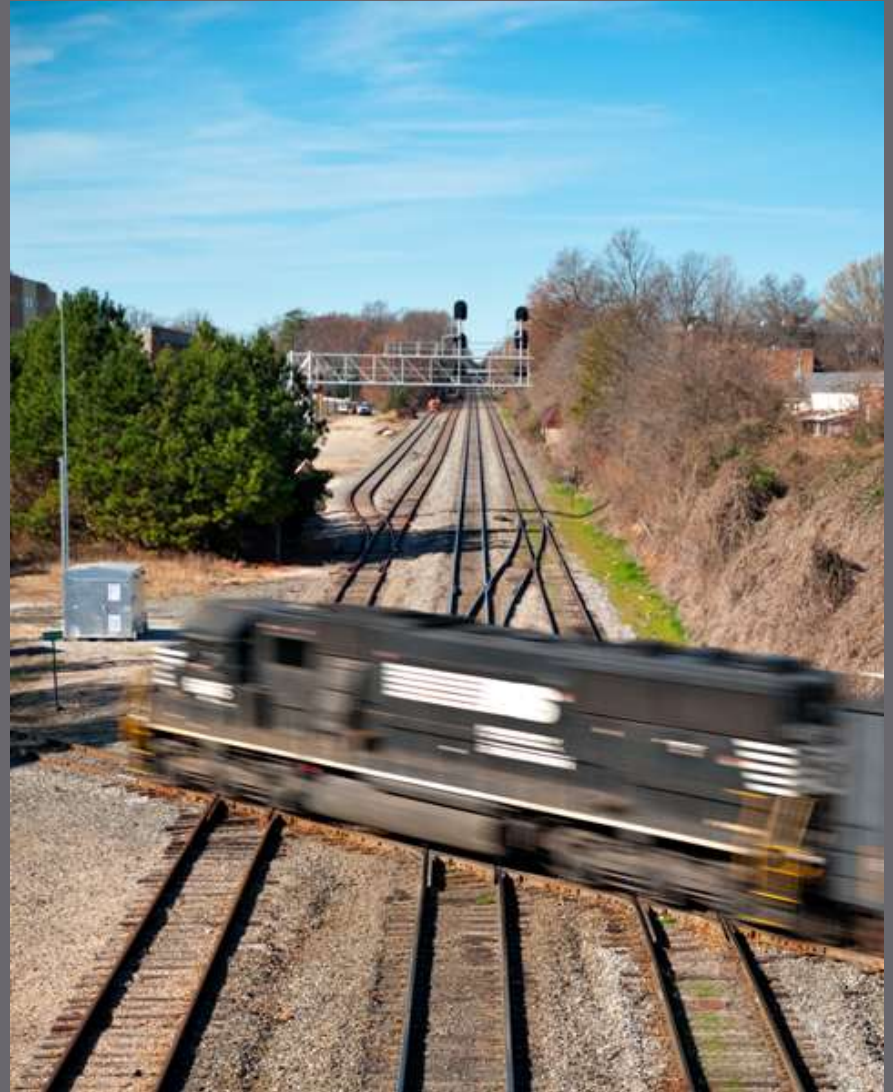


NCRR Commuter Rail Ridership Study - 2010



In order for passenger service to operate in the corridor...

- Norfolk Southern must agree
- There must be adequate capacity for Norfolk Southern and CSX freight service



What we intend to learn

- Need for additions to capacity (double tracking, crossovers, signals, etc.)
- Costs for improvements
- Updated cost numbers will be incorporated into Wake, Durham, and Orange transit plans





Questions?