



















## Strategic Transportation Corridors Corridor D: U.S. 321 and Corridor U: U.S. 74

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#### Agenda

#### U.S. 321

- Data Collection Review
- Corridor Analysis Review
- Preliminary Corridor Vision

#### U.S. 74

- Data Collection Review
- Corridor Analysis Review
- Preliminary Corridor Vision
- Stakeholder Involvement for U.S. 321 and U.S. 74

#### U.S. 321 - Facilities Inventory

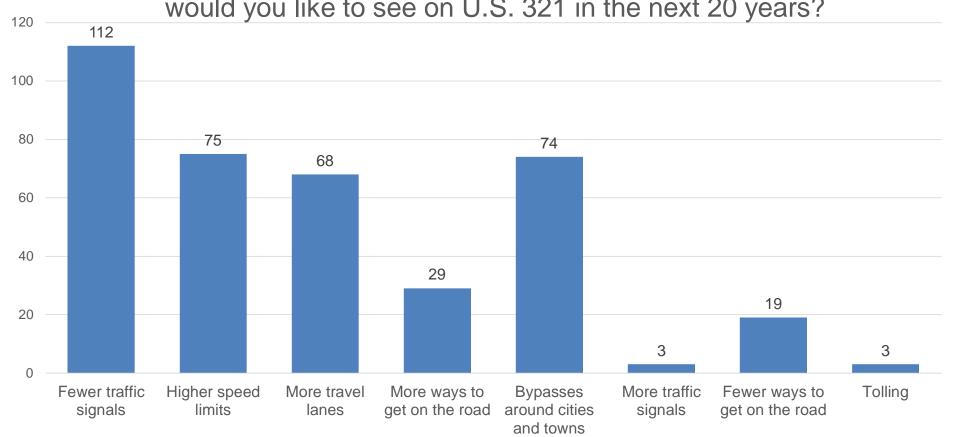
- Highway assets inventory
  - Approximately 106 miles along highway corridor
  - Federally designated truck route from S.C. state line to I-85 in Gastonia and from I-40 in Hickory to US 64 in Lenoir
- Bridges inventory
  - 67 bridges along highway corridor
  - 3 structurally deficient; 12 functionally obsolete

# U.S. 321 - Transportation Plan Recommendations

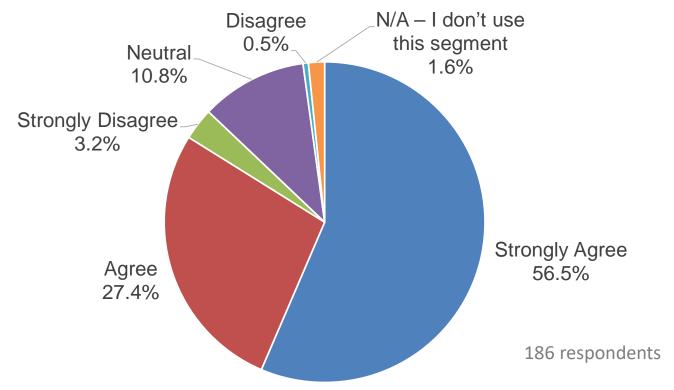
- Compiled transportation plans and recommended projects along the corridor from:
  - Statewide Transportation Improvement Program (STIP): 18 projects
  - Comprehensive Transportation Plans (CTPs): 4 CTPs
  - Metropolitan Transportation Plans (MTPs): 2 MTPs
  - Feasibility Studies (FS): 3 within the past 10 years
  - Traffic Forecasts (TF): 12 with the past 5 years
- Most of corridor recommended to be classified as expressway
  - South of Gastonia recommended to be classified as boulevard
  - Gastonia to Hickory recommended to be classified as freeway

Views<br/>609Participants<br/>253Responses<br/>3,734Comments<br/>44

From the **South Carolina state line to Hickory**, what changes would you like to see on U.S. 321 in the next 20 years?

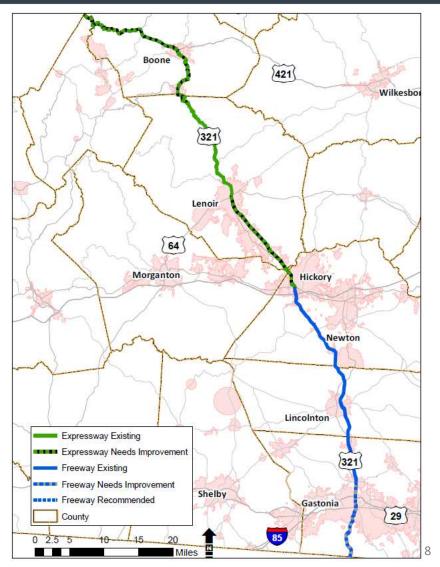


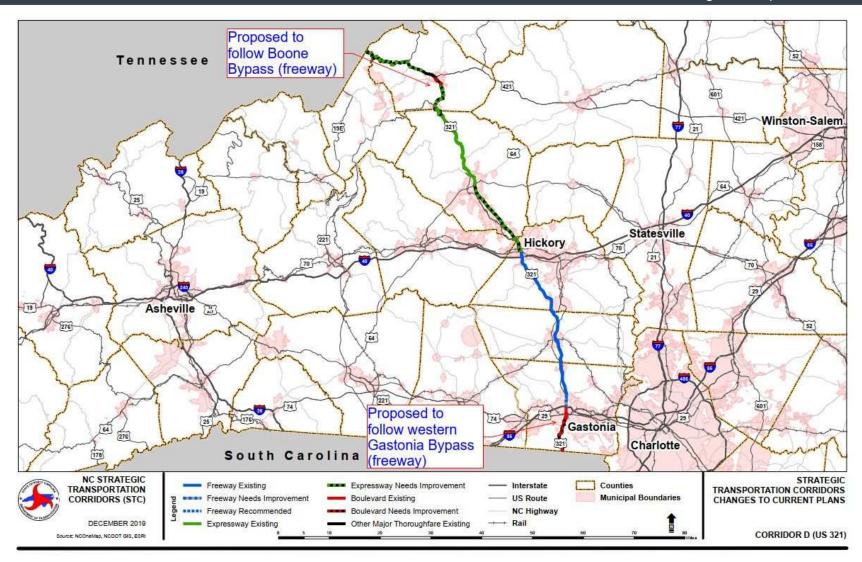
From the **South Carolina state line to Hickory**, do you support the preliminary vision of a freeway (access only at interchanges/ramps, speed limit 55 or greater, no traffic signals)?



# U.S. 321 – Recommended Vision

- Freeway: South Carolina state line to U.S. 70 in Hickory
- Expressway: U.S. 70 in Hickory to Tennessee the Tennessee state line





## U.S. 321 - Mobility Analysis

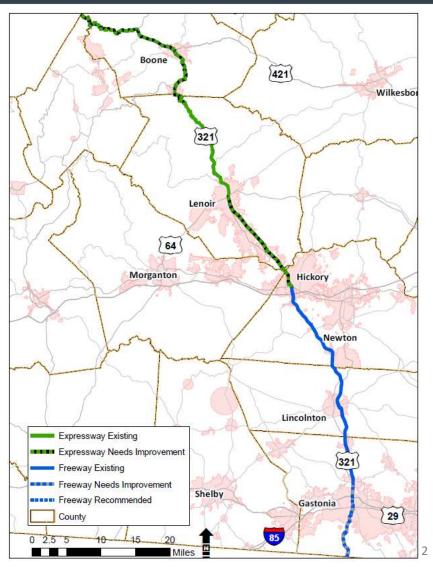


Increases the average corridor travel speed by 12mph

#### U.S. 321 – Identified for Further Study

- Expressway improvements northwest of Boone and the connection at the Tennessee state line
- Boone Bypass
- Expressway Improvements between Boone and Blowing Rock
- Freeway Improvements in Gastonia
- Freeway Improvements south of Gastonia and the connection at the South Carolina state line
- Multimodal connections
- Resiliency Assessment

# US 321 Questions?



#### U.S. 74 - Facilities Inventory

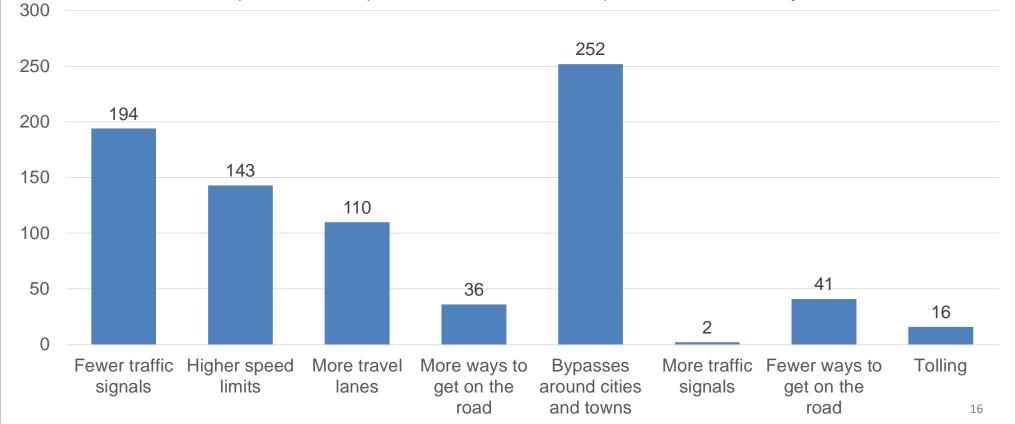
- Highway assets inventory
  - Approximately 284 miles along highway corridor
  - Federally designated truck route along entire corridor
- Bridges inventory
  - 304 bridges along highway corridor
  - 6 structurally deficient; 91 functionally obsolete

# U.S. 74 - Transportation Plan Recommendations

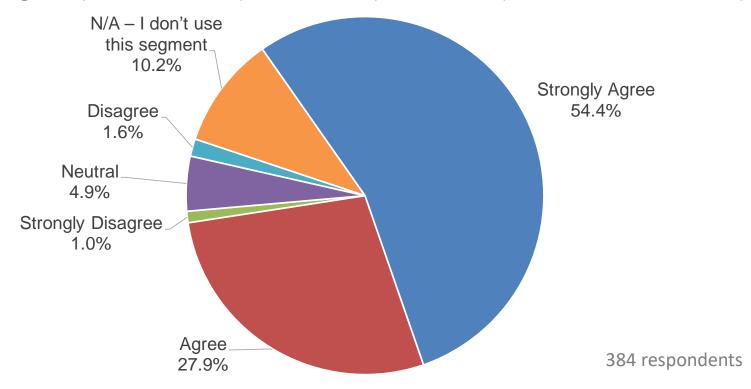
- Compiled transportation plans and recommended projects along the corridor from:
  - Statewide Transportation Improvement Program (STIP): 70 projects
  - Comprehensive Transportation Plans (CTPs): 11 CTPs
  - Metropolitan Transportation Plans (MTPs): 3 MTPs
  - Feasibility Studies (FS): 6 within past 10 years
  - Traffic Forecasts (TF): 37 within past 10 years
- Most of corridor recommended to be classified as freeway
  - Some segments in developed/urban areas recommended to be classified as boulevard (with current or planned bypass)

Views<br/>1,524Participants<br/>638Responses<br/>8,260Comments<br/>155

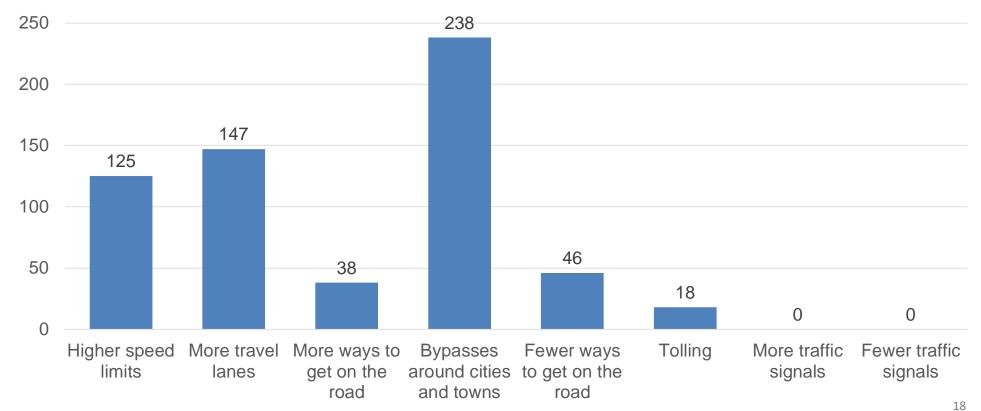
From I-26 to Gastonia, what changes would you like to see on U.S. 74 (I-26 to I-85) and I-85 (U.S. 74 to U.S. 321) in the next 20 years?



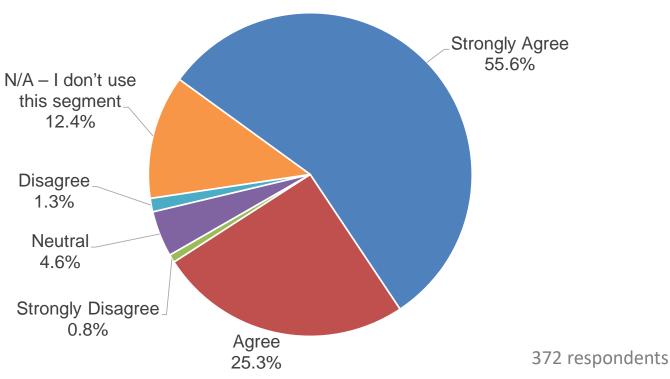
From I-26 to Gastonia, do you support the preliminary vision of a freeway (access only at interchanges/ramps, speed limit 55 or greater, no traffic signals) on U.S. 74 (I-26 to I-85) and I-85 (U.S. 74 to U.S. 321)?



From Gastonia to Monroe, what changes would you like to see on the corridor I-85 (U.S. 321 to I-485) and I-485 (I-85 to U.S. 74) in the next 20 years?



From Gastonia to Monroe, do you support the preliminary vision of a freeway (access only at interchanges/ramps, speed limit 55 or greater, no traffic signals) on I-85 (U.S. 321 to I-485) and I-485 (I-85 to U.S. 74)?

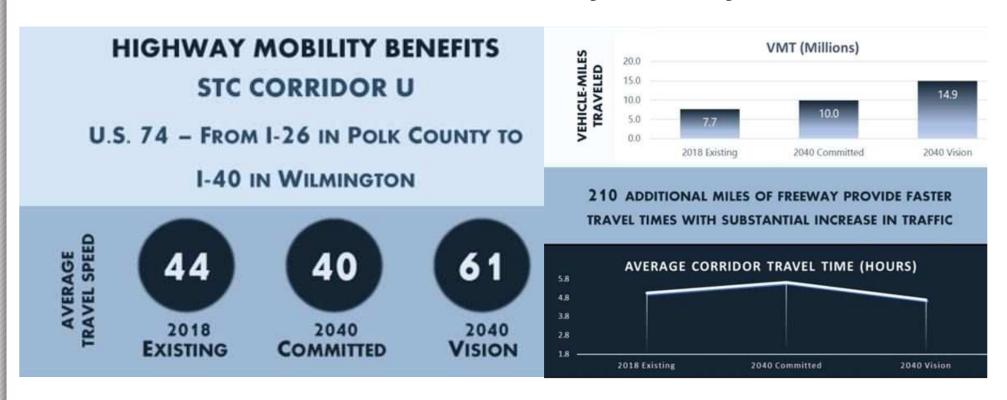


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#### U.S. 74 – Recommended Vision



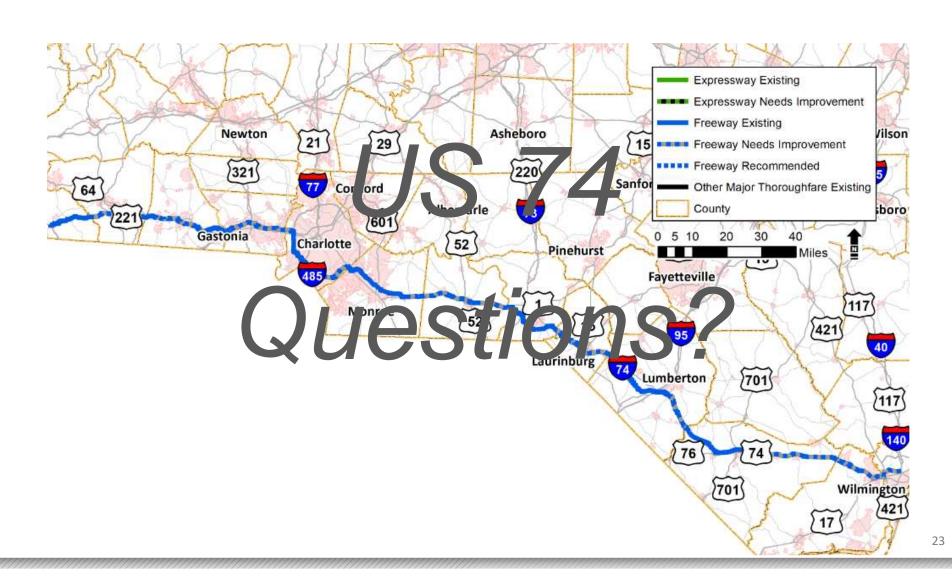
#### U.S. 74 - Mobility Analysis



Increases the average corridor travel speed by 21mph

#### U.S. 74 – Identified for Further Study

- Marshville Bypass
- Wadesboro Bypass
- Military Connections
- Delco area in Columbus County
- Multimodal connections
- Resiliency Assessment



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