



## **NORTH CAROLINA**

Department of Transportation



# Safety Corridors

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Executive Committee for Highway Safety

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## Safety Corridors

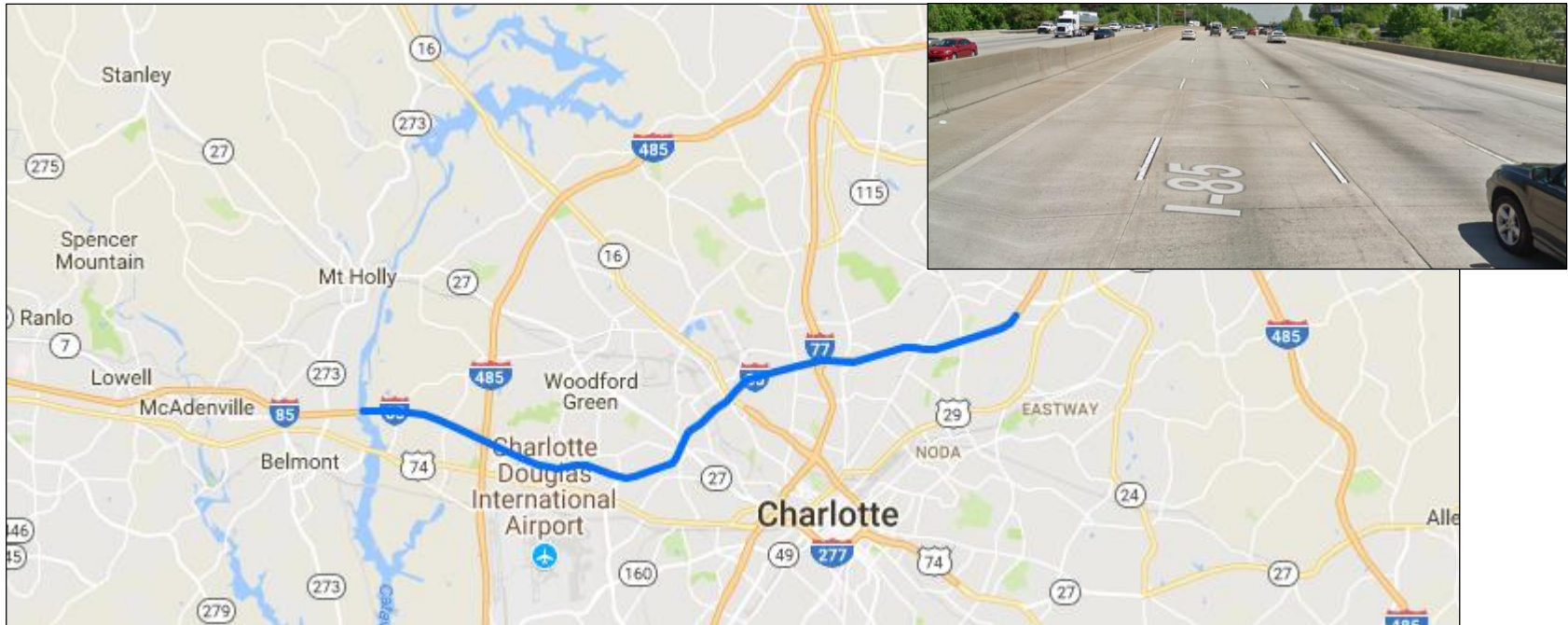
- Look like other roadways
  - Might be highly designed roadway
  - Road features might be in good condition
- Crash data shows a different story
- Sustained and focused initiatives involving Enforcement, Adjudication, and Education are typically part of Safety Corridor efforts



## Safety Corridors

- How to identify potential safety corridors
  - Crash density
  - Crash rates
    - Total and fatal
    - Comparison to critical rates
  - High number of fatalities and/or serious injury crashes
  - High number/percentage of crashes related to driver/passenger behavior
    - Crashes involving speeding
    - Crashes involving driver suspected of consuming alcohol
    - Fatal and serious injury crashes involving an unbelted driver/passenger

## Potential Safety Corridor Mecklenburg County – I-85 15 Miles (MP 0 - 15)



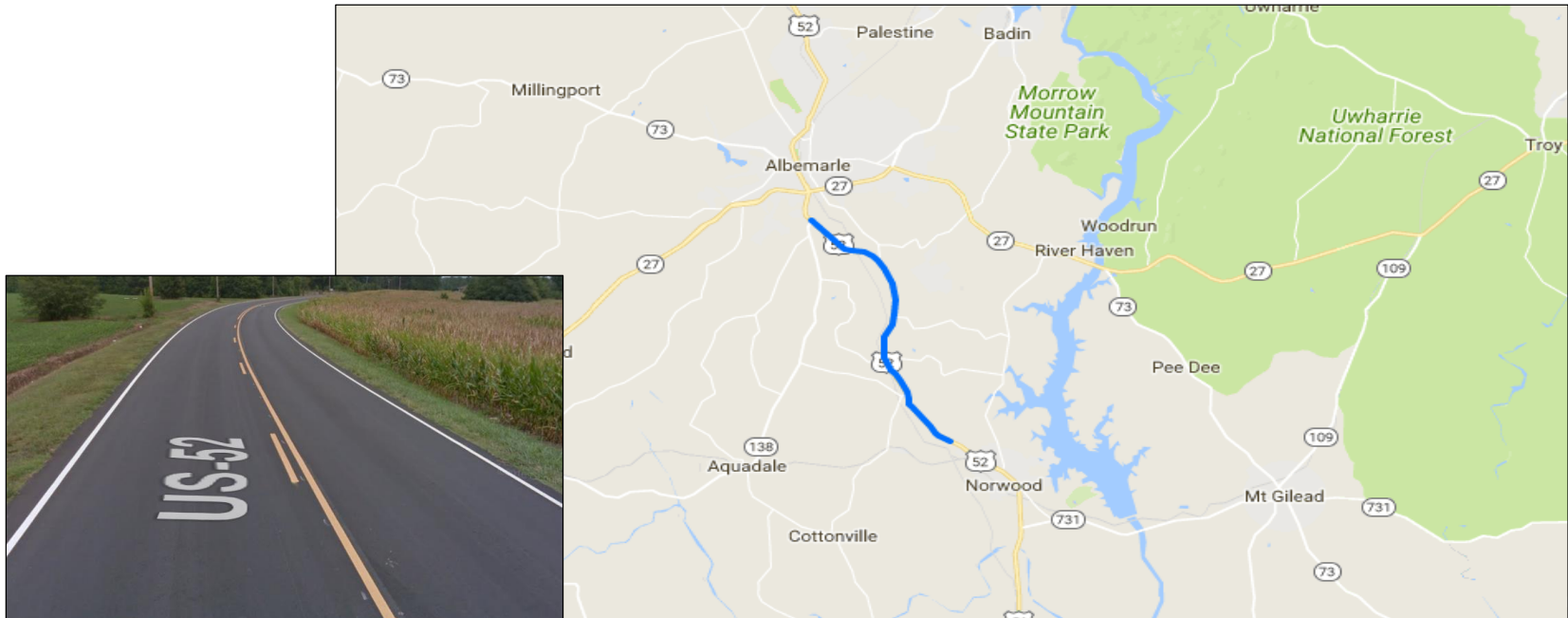
- 5,371 Total Crashes
- 25 Fatal Crashes
- 15 Serious Injury Crashes
- 406 Speed Related Crashes
- 176 Alcohol Related Crashes
- 11 Unbelted K/A Crashes
- Total Crash Rate 53% higher than Critical Crash Rate
- Fatal Crash Rate 24% higher than Critical Fatal Crash Rate



# Potential Safety Corridor

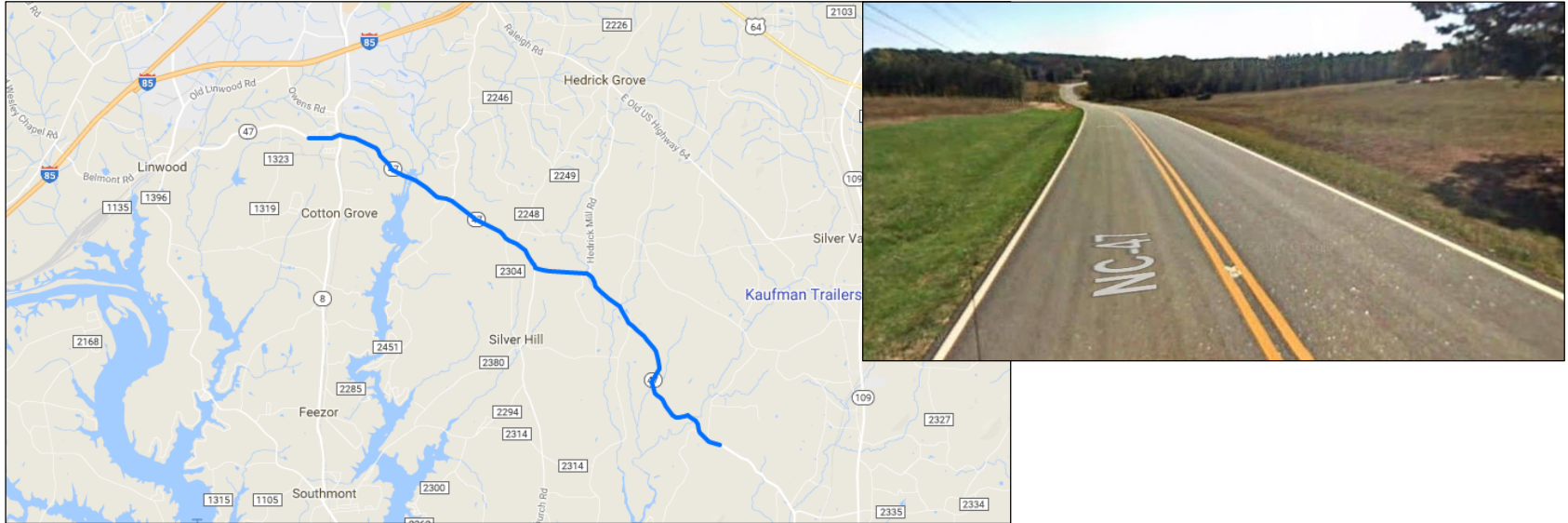
## Stanly County – US 52

### 7.8 Miles (MP 3.8 - 11.6)



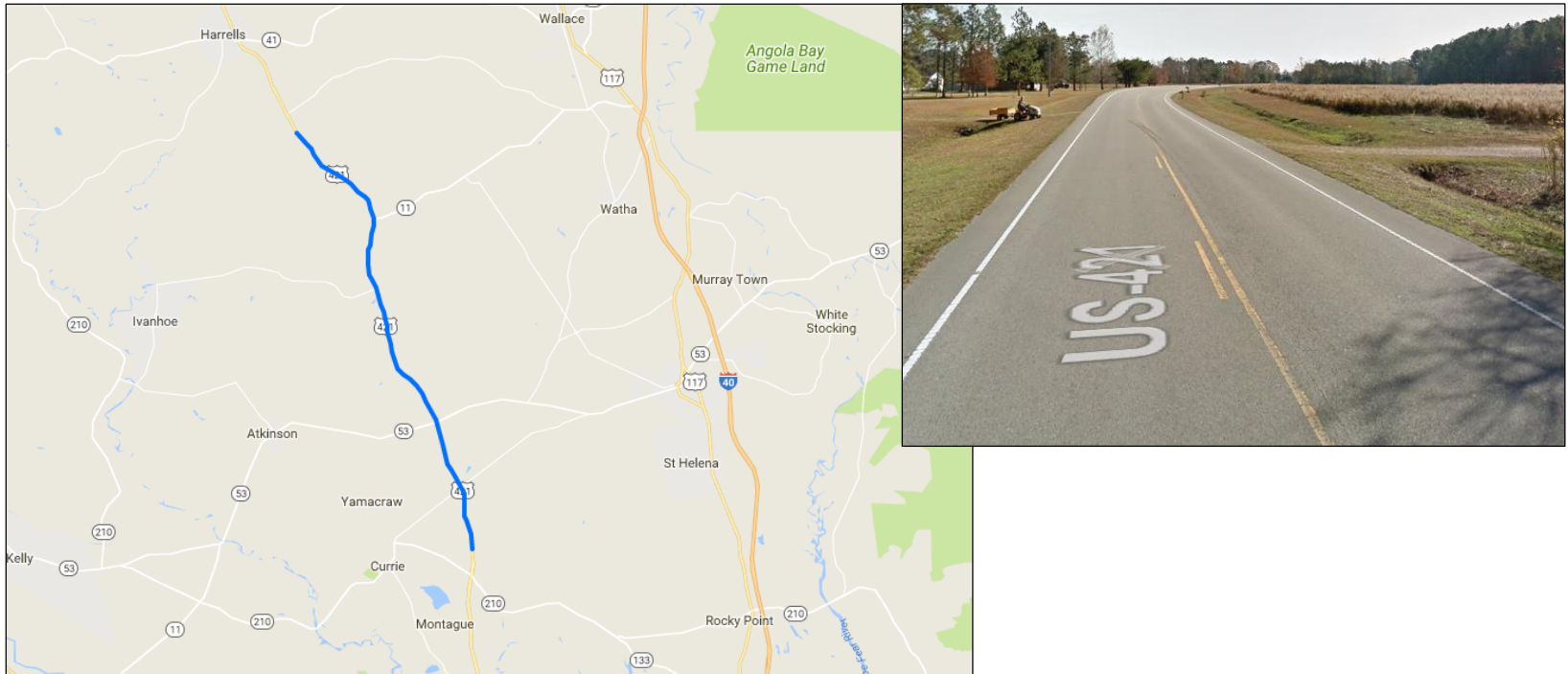
- 197 Total Crashes
  - 73 Lane Departure Crashes
- 8 Fatal Crashes
  - 4 Involved Alcohol
  - 4 Unbelted
  - 2 traveling 80+ mph
- Fatal Crash Rate 91% higher than Critical Fatal Crash Rate

# Potential Safety Corridor Davidson County – NC 47 10 Miles (MP 5 - 15)



- 187 Total Crashes
- 4 Fatal Crashes
- 9 Serious Injury Crashes
- 28 Speed Related Crashes
- 8 Alcohol Related Crashes
- 7 Unbelted K/A Crashes
- 77% of K/A Crashes involved at least one of the 3 behaviors
- Total Crash Rate 57% higher than Critical Crash Rate
- Fatal Crash Rate 55% higher than Critical Fatal Crash Rate

# Potential Safety Corridor Pender County – US 421 16.4 Miles (MP 10.0 – 26.4)

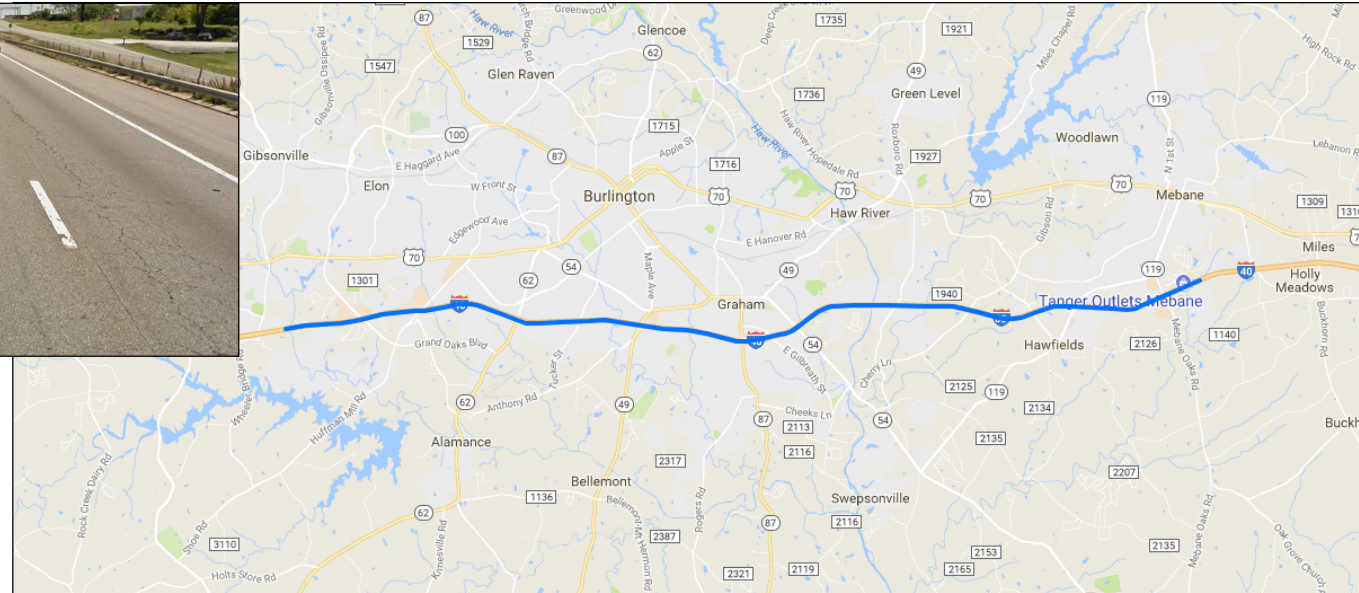


- 213 Total Crashes
- 10 Fatal Crashes
- 8 Serious Injury Crashes
- Total Crash Rate 11% higher than Critical Crash Rate
- Fatal Crash Rate is more than 3 times Critical Fatal Crash Rate

# Potential Safety Corridor

## Alamance County – I-40/I-85

### 16 Miles (MP 0 – 16)



- 2,489 Total Crashes
- 15 Fatal and Serious Injury Crashes
- Has some of the highest counts of behavior related crashes per mile of all the primary routes
  - 547 Crashes Involving Speed
  - 60 Crashes Involving Alcohol
  - 4 Unbelted K/A Crashes



# Questions / Discussion

