

Beaufort County

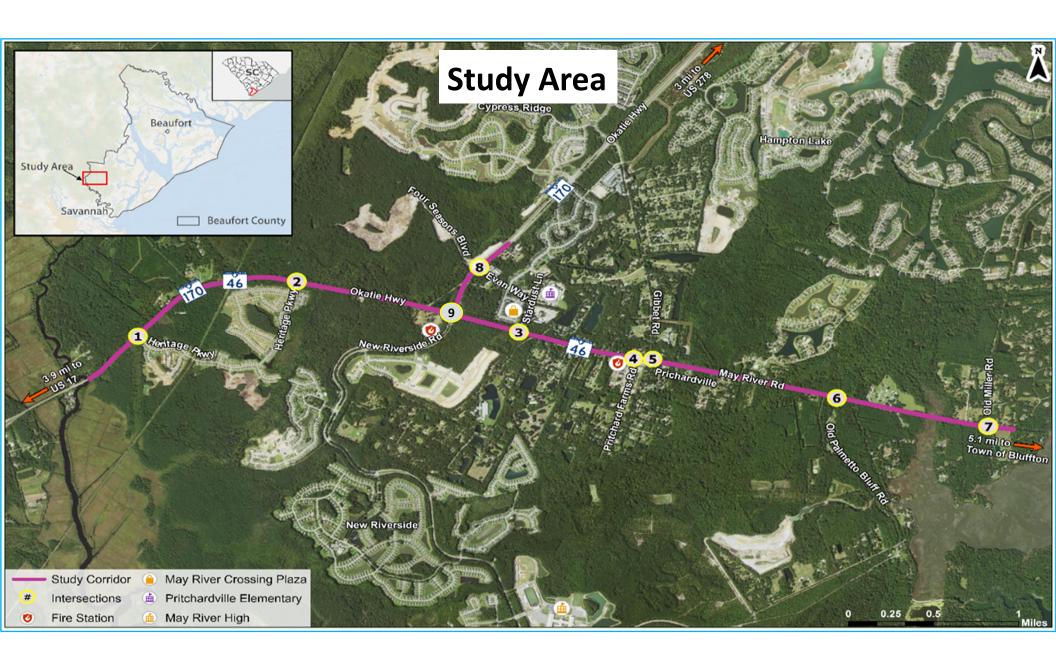
SC 46/ SC 170 Corridor Safety Analysis

2023

Presentation Agenda

- Purpose & Scope
- Existing Conditions
- Crash Analysis
- Traffic Analysis
- Recommendations



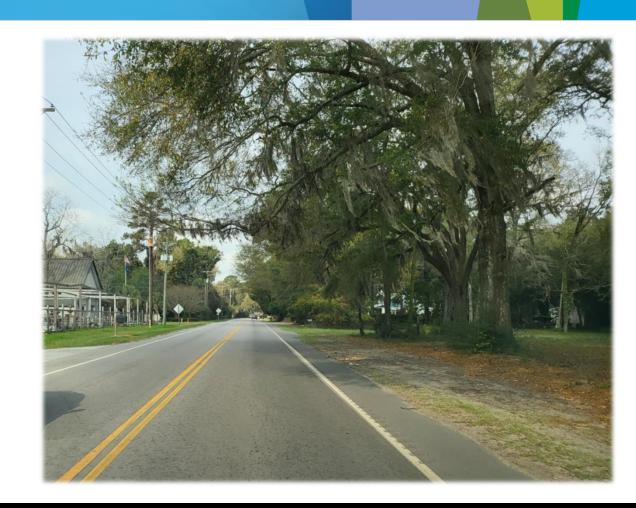


Purpose and Scope

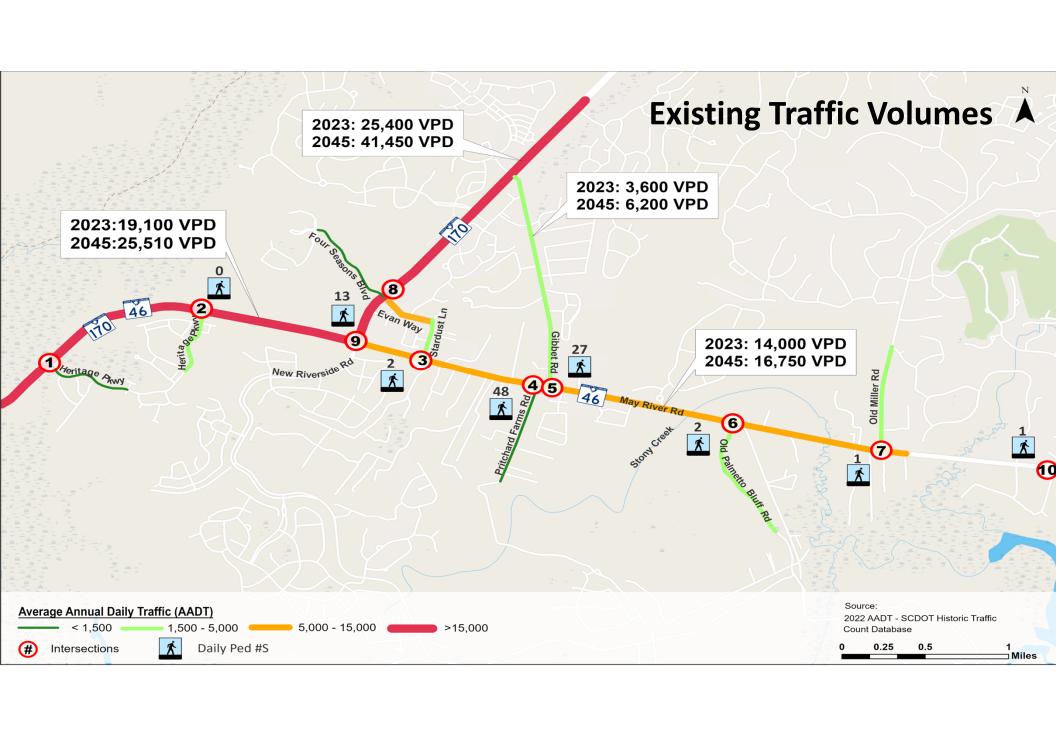
Purpose and Scope

<u>Purpose</u>

- Identify improvements to roadway safety and capacity, as well as bicycle, pedestrian safety and mobility within the corridor
- Maintain scenic byway characteristics of SC 46
- Minimize tree impacts

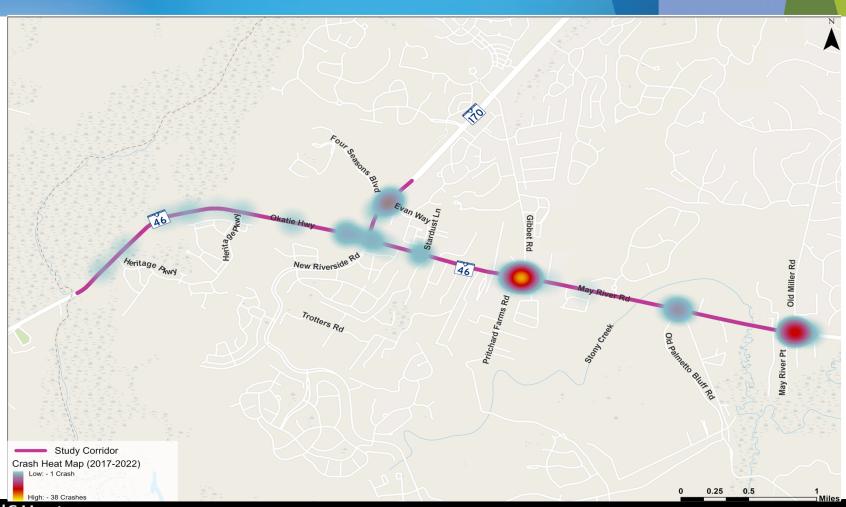


Existing Conditions

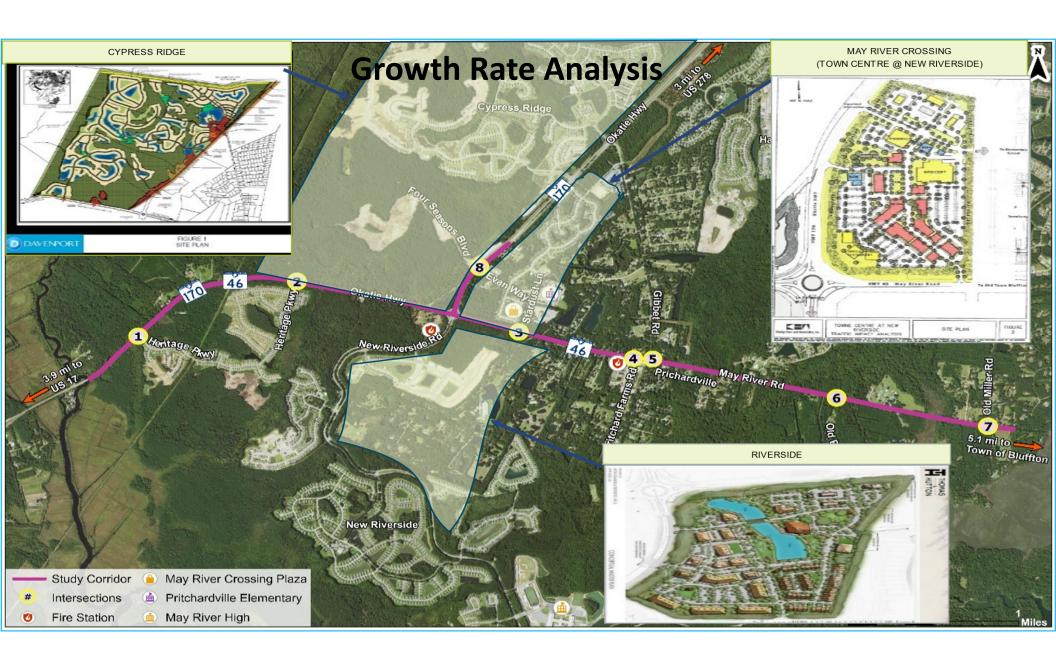


Crash Analysis

Crash Heat Map – 2017-2022



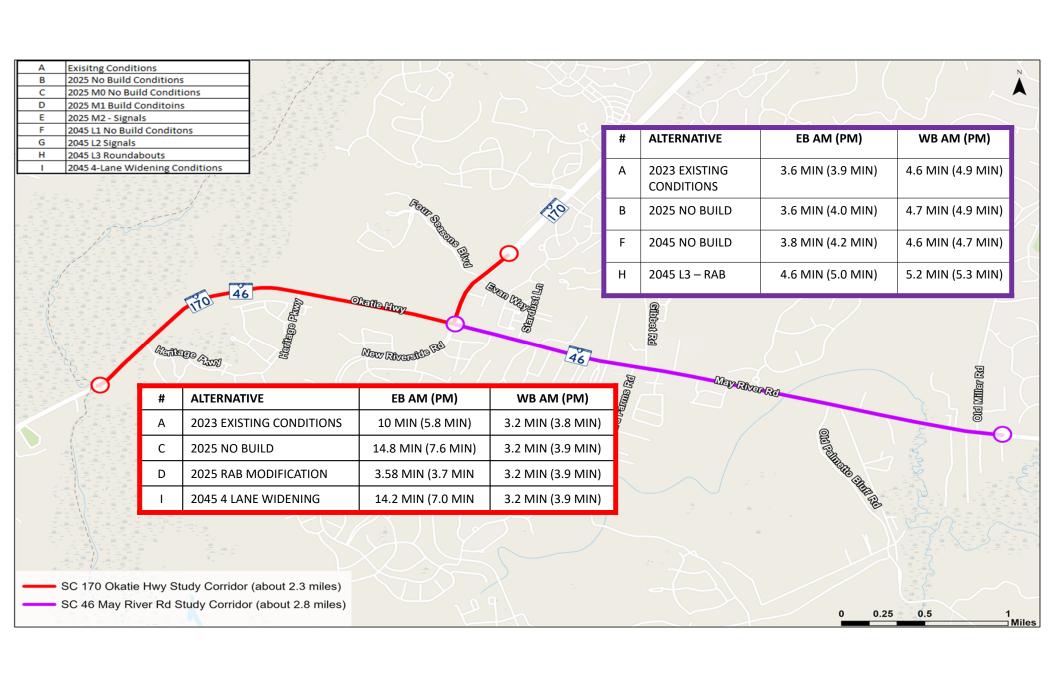
Traffic Analysis



Alternatives



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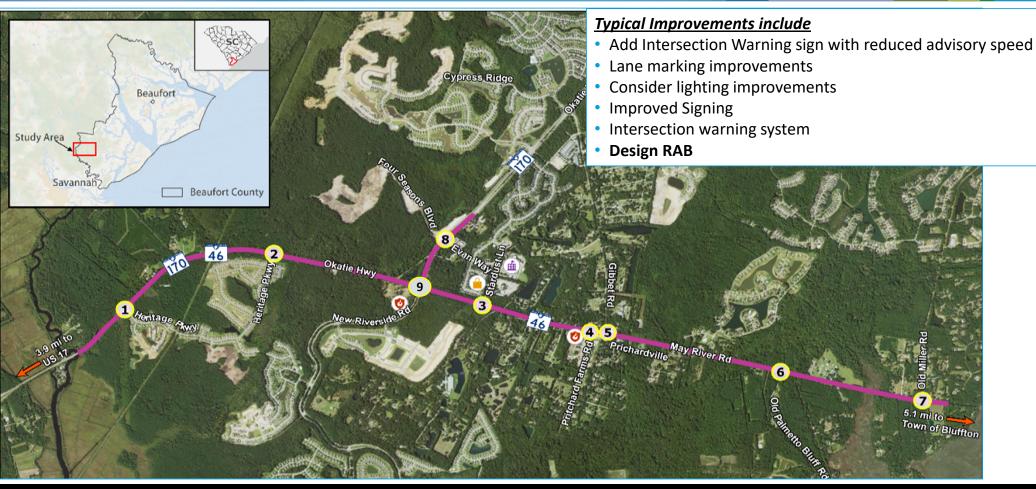


Recommendations & Mitigations

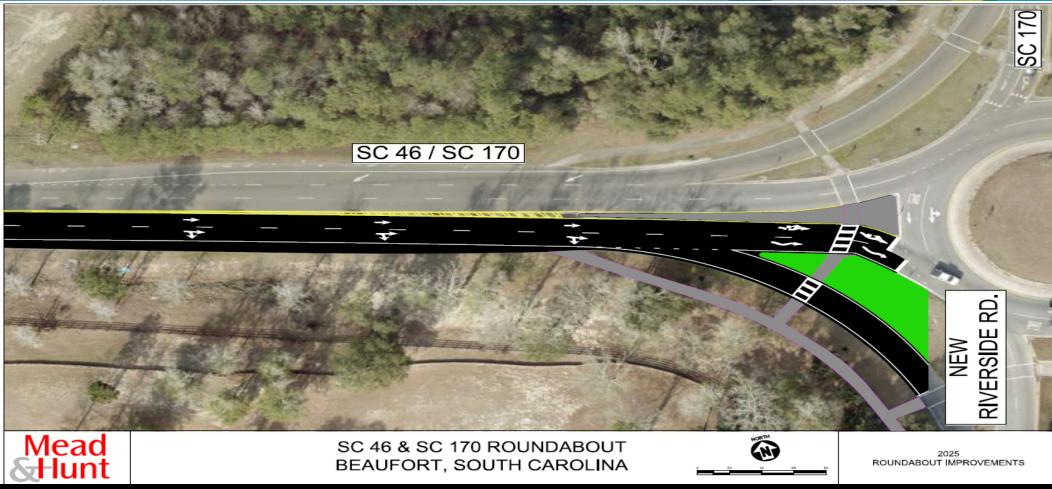
SC 46 Corridor

Short, Mid and Long Term Countermeasures

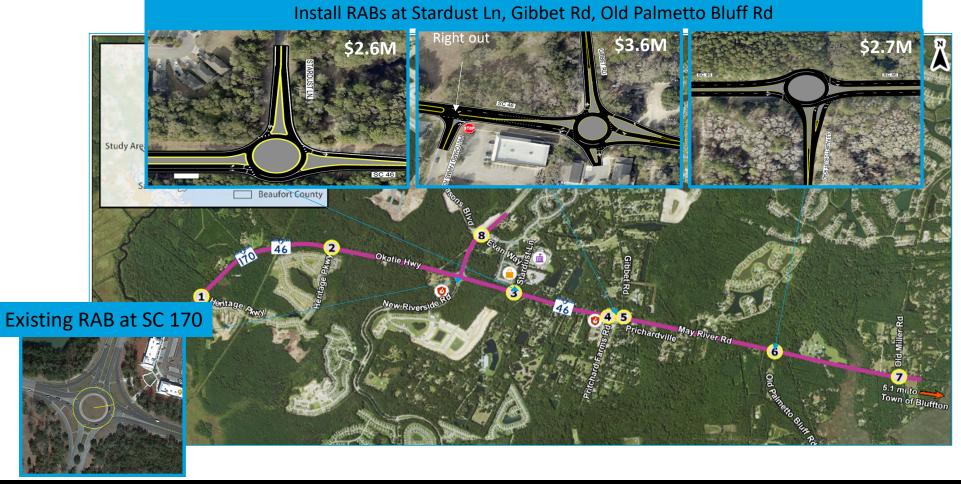
Short Term Safety Countermeasures



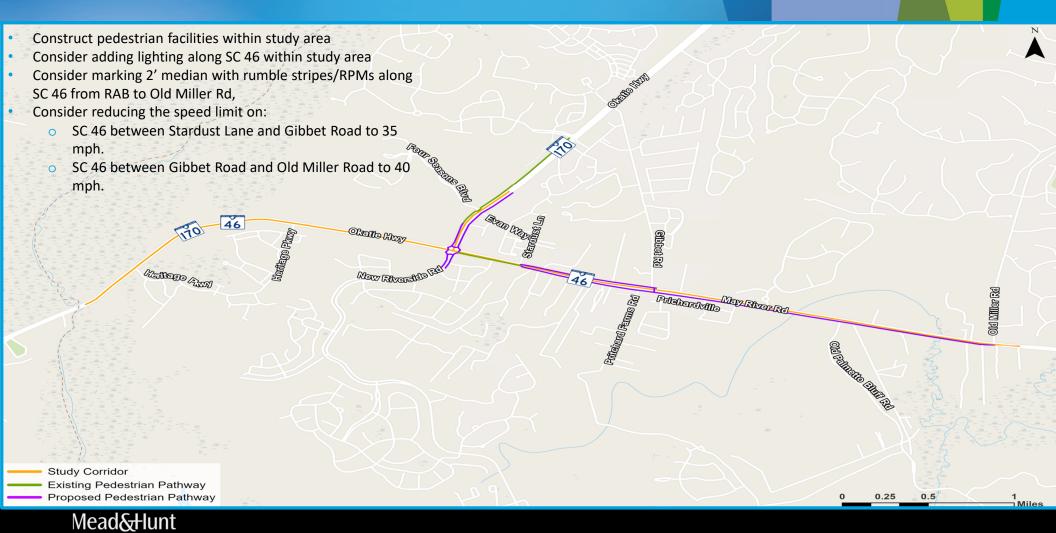
Short Term Improvement at SC 46 & SC 170 RAB Modifications - 2025



Mid - Term Safety Counter Measures



Other Mid Term Recommendations



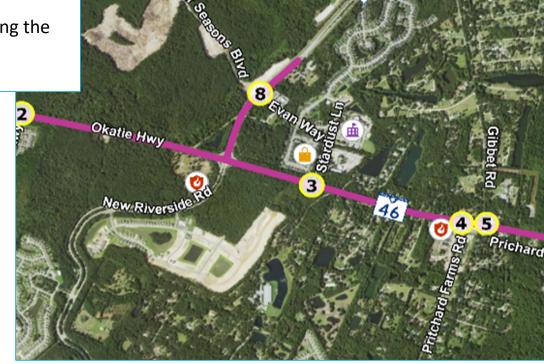
SC 170 / Evan Way/ Four Seasons

Short, Mid and Long Term Countermeasures

Short Term Safety Countermeasures

SC 170 / Evan Way / Four Seasons Blvd

- Revise lanes to thru/left, right only and add delineation marking thru intersection
- Add Intersection Warning sign with 35 mph advisory speed
- Add short skips to show edge of travel lane.
- Consider lighting and markers to assist motorists into entering the correct side of the median
- Design R-CUT



Mid-Term Recommendation – Construct R-CUT



Mead Hunt

SC 170 AT EVAN WAY BEAUFORT, SOUTH CAROLINA



2045 SIGNALIZED RCUT WITH STCP-CONTROLLED MEDIAN U-TURNS

Long-Term Recommendation – Re-evaluate need to signalize U-turns



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SC 170 AT EVAN WAY BEAUFORT, SOUTH CAROLINA



2045 SIGNALIZED RCUT WITH PARTIAL SIGNAL-CONTROLLED MEDIAN U-TURNS

