

APPENDIX B: FIELD REVIEW

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US 58 Field Review

Conducted: June 12, 2018

Objectives:

- Review roadway and intersection configurations
- Identify deficiencies and areas of concern
 - Sight distance or steep grades
- Identify unique roadway features
- Observe traffic operations



- **Halifax / Mecklenburg County Line to US 58 Business (Virginia Ave.)**

- Rolling terrain
- Intersection and crossovers with sub-standard turn lanes
- Mix of shoulder type
 - Portions without a paved shoulder
 - Widens to 4ft (EB) and 8ft (WB) gravel shoulders
- Grade differentials between EB and WB at intersections and crossovers

- **US 58 Business to US 15 Interchange**

- Partial controlled access
- Close proximity of Rte. 723 intersection to interchange
- 8ft paved shoulders



- **US 15 Interchange to Rte. 92 (Washington St.)**
 - Level terrain
 - 8ft paved shoulders
 - Limited access section around Clarksville
 - Some closely spaced intersections
 - Rte. 92 Intersection controlled with flashers
 - Limited sight distance for EB approach
 - WB right-turn lane is sub-standard

- **Rte. 92 (Washington St.) to Rte. 4 (Buggs Island Rd.)**
 - Numerous crossovers and increasing access on this segment
 - Rte. 4 intersection has steep inclines on both US 58 approaches. May limit sight distance on side streets





- **Rte. 4 (Buggs Island Rd.) to Western US 1 Intersection**
 - More rolling terrain – may be problematic for heavy vehicles
 - Minor intersections with sight distance concerns
 - Redundant crossovers
 - Cross slope at US 1 intersection not ideal for trucks

- **Western US 1 Intersection to Rte. 780 (Theater Rd.)**
 - TWLTL between US 1 intersections
 - Increase in direct access to US 58
 - Accel lane onto WB US 58 at eastern US 1 intersection appears short.
 - Some sight distance concerns at Rte. 780 intersection



- **Rte. 780 (Theater Rd.) to Rte. 643 (E. Atlantic St.)**

- 8' – 10' paved shoulders
- Minimal access and crossovers
- Rte. 643 intersection in close proximity to I-85 interchange

- **I-85 / US 58 Interchange**

- SB I-85 to WB US 58 has improper through movement pavement marking leading to a small gravel section in the median
- T-intersection for SB I-85 to WB US 58 may be problematic for trucks entering the roadway
- No turn lane or taper for WB US 58 to NB I-85



Source: Google



- **I-85 Interchange to Rte. 621 (N. Main St.)**
 - Motorists cutting across EB US 58 from NB I-85 off ramp to entrance of Shell gas station. (Less than 600')
 - Numerous access points and median crossovers
 - Shaw St. / Cycle Ln. has a significant grade disparity between EB and WB US 58
 - Rte. 621 intersection:
 - Side street approaches have steep grades and sharp curves
 - Lots of access points around intersection
- **Rte. 621 (N. Main St.) to Town of Brodnax**
 - Inconsistent shoulder width and type
 - Crossovers lacking turn lanes
 - Rolling terrain





- **Town of Brodnax**
 - TWLTL throughout
 - Lots of direct access
 - 4' grass / gravel shoulders

- **Town of Brodnax to Rte. 644 (Robinson Ferry Rd.)**
 - Variable shoulder width and type
 - Crossovers without turn lanes
 - Sight distance concerns to some crossovers due to rolling terrain
 - Sub-standard turn lanes and a cross slope through the intersection with Rte. 644



- **Rte. 644 (Robinson Ferry Rd.) to Rte. 46 (Christanna Hwy)**

- Crossovers without turn lanes
- Sight distance concerns to some crossovers due to rolling terrain
- 4' paved or gravel shoulders

- **Rte. 46 (Christanna Hwy) to Rte. 641 (Bright Leaf Rd.)**

- Limited Access until near Rte. 641
- Sub-standard turn lanes for crossovers on the eastern portion
- Rte. 641 intersection:
 - Skewed intersection
 - Wide median may make it difficult for trucks





- **Rte. 641 (Bright Leaf Rd.) to Eastside Rd.**
 - Lots of commercial activity
 - Redundant crossovers and many lack turn lanes
 - Rte. 712 intersection:
 - Controlled by overhead flashers
 - Grade differential between EB and WB US 58 may be difficult to cross
 - Decision making may be difficult due to width of median

- **Eastside Rd. to Brunswick Co. Line**
 - Rolling Terrain
 - Varying shoulder types and widths



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